
Thermal Performance of Fire Resistive Materials III. Fire Test on a Bare Steel Column



Dale P. Bentz
Leonard M. Hanssen
Boris Wilthan

Thermal Performance of Fire Resistive Materials III. Fire Test on a Bare Steel Column

Dale P. Bentz
*Building and Fire Research Laboratory
National Institute of Standards and Technology
Gaithersburg, MD 20899-8615*

Dr. Leonard M. Hanssen and Boris Wilthan
*Physics Laboratory
National Institute of Standards and Technology
Gaithersburg, MD 20899-8442*

April 2009



U.S. Department of Commerce
Gary Locke, Secretary

National Institute of Standards and Technology
Patrick D. Gallagher, Deputy Director

Abstract

This report is part III in an ongoing series concerning the characterization and modeling of the thermal performance of fire resistive materials (FRMs). In part I, a methodology for characterizing FRMs to provide quantitative material property inputs for thermal performance models was outlined, and in part II, one such multi-layer model was demonstrated for simulating the results of high temperature slug calorimeter experiments conducted in a small furnace. Attempts to extend the one-dimensional model to predict the performance of FRM-insulated steel columns in a standard ASTM International E119 fire exposure [1] were successful only when a safety (viewing) factor of approximately 0.5 was introduced for reducing the radiative heat transfer between the fire and the protected column. To justify this fitted value of the viewing factor, a simpler fire test of a single bare W14x233 structural steel column was conducted in the column furnace at a commercial U.S.-based testing laboratory. This report presents the results of that test, along with an analysis based on a previously developed general heat balance equation [2]. The emissivity value that provides the best fit to the experimental data is contrasted against the measured emissivity of the structural steel. The resultant safety factor is found to be on the order of 0.45, in general agreement with the value used previously in the one-dimensional thermal model. One unique feature of this study is that data was also collected during the (slow) cool down period that followed the termination of the fire exposure, allowing a comparison of the convective heat transfer coefficients during a fire exposure and subsequent cooling in a furnace environment. Additional thermocouples were placed on the steel column and the furnace walls and two plate thermometers were placed near the surface of the steel column to better characterize the furnace fire environment. All of the measured data is provided in an Appendix to place it in the public domain where it may serve as a reference data set for other researchers.

Table of Contents

Abstract.....	iii
List of Figures.....	vi
1 Introduction.....	1
2 Experimental.....	3
2.1 Steel Column.....	3
2.2 Column Furnace.....	3
2.3 Emissivity Measurements.....	4
3 Results and Analysis.....	9
4 Summary.....	11
5 Acknowledgements.....	12
6 References.....	12
7 Appendix A- Raw Data from Fire Test.....	14
7.1 Time and Furnace Temperature Data.....	14
7.2 Steel Thermocouple Temperature Data.....	35
7.3 Wall Thermocouple and Plate Thermometer Data.....	60

List of Figures

Figure 1. Schematic of the cross-section of the W14x233 structural steel column tested in the column furnace (not to scale). Units are given in inches to conform to specification documents for columns.	3
Figure 2. Thermocouple layout for the bare steel column tested in the column furnace. Dimensions are given in feet and inches to conform to specification documents for columns.	5
Figure 3. Structural steel specimen in specimen holder for infrared spectral-emissivity measurement.	6
Figure 4. Measured emittance results vs. wavelength at various temperatures for the structural steel specimen that was sandblasted (prior to fire exposure).	7
Figure 5. Computed emissivity vs. temperature for the sandblasted steel specimen.	8
Figure 6. Experimental and model results for average temperature of bare steel column vs. time during an ASTM International E119 fire test exposure.	9
Figure 7. Measured and predicted temperatures during fire exposure and subsequent cool down in the column furnace.	10

1 Introduction

Standardized fire testing is an integral part of the overall design process for providing buildings and structures with the requisite fire resistance. It would therefore be of great interest to material manufacturers, designers and architects, and forensics engineers to have quantitative and reliable tools to model the performance of steel structures protected with a fire resistive material (FRM) in both real and test fire conditions. In part I of this series [3], the necessary characterization of the FRMs and substrate materials was presented. In part II [4], the details of a one-dimensional multi-layer heat transfer model that was originally developed to model the thermal performance of fire fighters' clothing [5] were presented and the model was verified by comparison against a variety of slug calorimeter experiments [6] performed previously in the Building and Fire Research Laboratory (BFRL) at the National Institute of Standards and Technology (NIST). In extending this one-dimensional model to ASTM International E119 [1] fires for four FRM-insulated steel columns of different dimensions and/or different FRM thicknesses, adequate agreement between model and real steel temperature data was only obtained when a safety (configuration or viewing) factor of approximately 0.5 was introduced as a multiplicative factor for reducing the radiative heat transfer between the gas fire and the FRM-insulated steel column. To justify this choice of safety factor, an E119 fire test on a single bare steel column was conducted at the same commercial U.S.-based testing laboratory in the same column furnace where the four data sets for FRM-insulated steel had been produced. The results of that test, along with emissivity measurements for the structural steel performed at NIST, form the basis for the part III report in this series.

Applying a similar approach, Kay, Kirby, and Preston determined a best-fit safety factor of 0.45 for beam and column test furnaces in the U.K. and the Netherlands, when the emissivities of the fire and steel were both set at 0.8 [7]. They correctly pointed out that this safety factor is in reality a "curve-fitting factor chosen to ensure...the prediction of a heating rate in agreement with that observed in nationally approved fire-resistance-testing furnaces" [7]. It is important to note that this viewing or safety factor may be totally different for real fires than that found for furnace testing. For example, Kirby has found that using a safety factor of 1.0 provides reasonable estimates of the performance of structural steelworks in real building fires [8]. The best-fit safety factor for a furnace will be a function of furnace geometry as well as the type of fuel being burnt [7], and would thus be expected to vary significantly from one furnace to another. For that reason, in this study, the bare steel column was tested in the same column furnace in which the four FRM-insulated steel columns had been previously evaluated some years ago.

In the literature, there are a variety of analytical tools available for predicting the performance of a bare steel column in a furnace fire test. Wong and Ghajel have developed a spreadsheet that is available for free downloading that implements both a standard analysis as employed in the Eurocodes as well as one based on gas combustion theory for radiation exchange between a gas body and its enclosure [9-11]. The standard analysis is similar to that presented by Parkinson and Kodur [2], from which the following equation can be used to calculate the temperature rise, ΔT_s , of the steel column during a time interval, Δt :

$$\Delta T_s = \frac{F}{\rho_s C_{ps}} \{h_c (T_f - T_s) + \sigma \varepsilon (T_f^4 - T_s^4)\} \Delta t \quad (1)$$

where:

F = section factor = column perimeter/column area, m^{-1} ,

ρ_s = steel density, taken to be 7860 kg/m^3 ,

C_{ps} = specific heat of steel, $J/(kg \cdot K)$,

h_c = convective heat transfer coefficient, generally taken to be $25 \text{ W/(m}^2 \cdot K)$ [2,7,9,10],

T_f = furnace temperature at time t , K ,

T_s = steel temperature at time t , K ,

σ = Stefan-Boltzmann constant, $5.67 \times 10^{-8} \text{ W/(m}^2 \cdot K^4)$,

ε = effective emissivity for radiative heat transfer,

Δt = time interval of computation, s .

This equation indicates that there are two contributions to heat transfer between the fire and the steel column, a convective component due to the presence of hot gases flowing past the steel surfaces and a radiative component indicating transfer of radiation from the hot furnace (walls) and fire to the steel. Since the radiative term depends on the difference in temperatures first raised to the fourth power, it generally dominates over the convective term at higher temperatures and/or during the latter stages of a standard fire exposure test.

The appropriate value to use for the single emissivity term ε will depend on both the location of the steel column within the furnace and its size relative to the interior volume of the furnace [7]. In this study, this effective emissivity will be calibrated to the experimental data and utilized to determine a safety factor for this column/furnace combination from:

$$\varepsilon = \gamma \varepsilon_s \quad (2)$$

where:

γ = safety (or viewing) factor for this column/furnace combination and

ε_s = measured emissivity value for structural steel.

The major assumptions of equation (1) are that the thermal conductivity of the steel is high enough that the steel temperature is uniformly distributed throughout the steel cross section and that T_f is the appropriate source temperature to be used both for radiative and convective heat transfer computations. Typically, the specific heat of the steel is a function of temperature. In this study, the following equation is used to describe this relationship [12]:

$$C_{ps} = 454.2 + (0.1686)T_{sC} + (0.000532)T_{sC}^2 \quad (3)$$

with T_{sC} being the steel temperature in $^{\circ}C$.

2 Experimental

2.1 Steel Column

A single W14x233 structural steel column with a height of 0.25 m (99") was tested. The W14x233 designation specifies the column geometry, as detailed in Figure 1. The steel column was sandblasted with silica sand prior to testing, effectively removing any oxide layer that had formed previously. Based on the metric equivalents of the dimensions of the column given in Figure 1, the section factor (F in equation 1) or ratio of perimeter to area is calculated to be 54 m^{-1} .

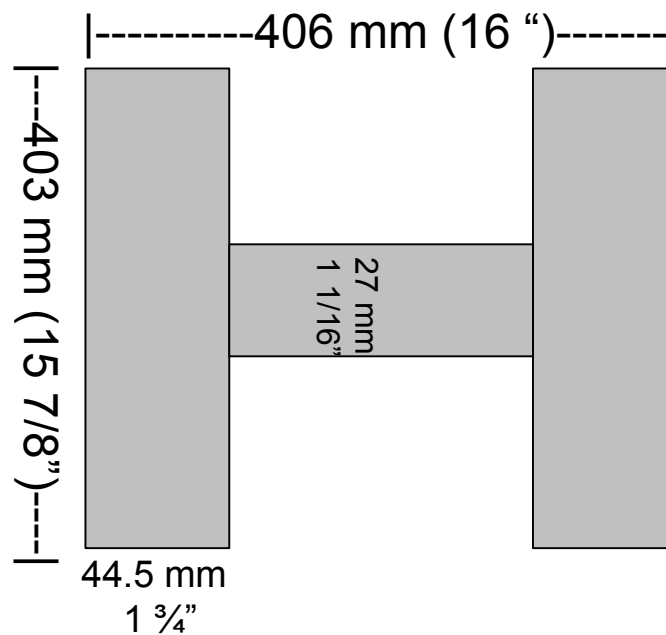


Figure 1. Schematic of the cross-section of the W14x233 structural steel column tested in the column furnace (not to scale). Units given in inches are the exact values, to conform to specification documents for columns.

2.2 Column Furnace

The column furnace, as depicted on the cover page of the report, has been in operation for many years at a commercial U.S.-based testing laboratory. The walls on all four sides of the furnace contain a number of entry ports to provide the natural gas that is used to create the fire environment. For this study, the normal thermocouple layouts employed in the furnace and on the steel column were supplemented with a few additional thermocouples on the steel, sets of two thermocouples on two of the furnace walls (located 90° from one another), and two plate thermometers located approximately 100 mm (4") from the steel column (flange) surfaces at mid-height in the furnace. The thermocouples were mounted on the walls to provide a

comparison of wall and fire temperatures. The plate thermometers were installed to provide an additional data set comparing their performance to those of the standard furnace thermocouples, which may be of use to other fire research groups considering a switch to plate thermometers.

The layout for the thermocouples on the steel column is provided in Figure 2. During the test, particularly for the cool down portion, thermocouples #5 and #18 did not provide reliable temperature indications for unknown reasons; based on this, they were eliminated from being included in the analysis. Thermocouples #19 and #20 were located on the north wall of the furnace, while #21 and #22 were located on the west wall of the furnace. Finally, the plate thermometer readings were recorded as channels #23 and #24. Readings for the thermocouples and plate thermometers were recorded once per minute during the first 823 min of the 75 min fire exposure and the subsequent cool down period, and then once per 5 min after that out to a total time of 4123 min. A set of eight thermocouples inserted through the side walls (see cover photo) were utilized to assess (and control) the furnace temperature.

2.3 Emissivity Measurements

Kay et al. have previously summarized measured emissivity values for dull **oxidized** mild steel [7]. Based on data from five different sources, their general conclusion is that “it would seem appropriate to adopt a value of 0.8 for ϵ across the temperature range 20 °C to 800 °C [7].” Four of the five data sets exhibited little variation in ϵ with temperature in the range of 20 °C to 600 °C. For the present study, two pieces of the steel, cubes approximately 50 mm (2”) in dimension, were extracted from a top corner of the column, one before and one after the fire testing. The reflectances of the two specimens were measured at room temperature using a commercial device [13,14]. The device is first calibrated using two cylindrical reflectance standards, a gold surface with a reference reflectance of 0.955 and a black surface (opposite side of the gold reference material covered with a black coating) with a reference value of 0.089. Measurements at 23 °C on two sides of the steel cube that had been exposed to the fire yielded an average reflectance of 0.15 with a standard deviation of 0.01. This would correspond to an emissivity of 0.85, in reasonable agreement with the previous data summary by Kay et al. [7]. For the blasted steel surface, an average reflectance of 0.68 (emissivity of 0.32) with a standard deviation of 0.01 was obtained.

Further characterization of the steel emissivity as a function of wavelength and temperature was performed on two systems at the NIST Fourier Transform Infrared Spectrophotometry laboratory. Cylindrical disks, 19 mm in diameter and 5 mm in thickness, were extracted from one of the exposed surfaces of each steel cube. Near-normal directional-hemispherical reflectance (DHR) measurements were performed at room temperature (RT, 21 °C), using the Reference Infrared Integrating Sphere Reflectometer (RIISR), using a Fourier transform spectrometer source, as described in [15,16]. Since the samples are opaque, by energy conservation and Kirchoff’s Law, the near-normal emittance is equal to 1 minus the near-normal DHR. Measurements were performed on the RIISR over a wavelength range from about 2 μm to about 15 μm . At elevated temperatures, the near-normal emittance (which will further be denoted as simply “the emittance”) measurements were made using the Infrared Spectral Emittance Measurement (ISEM) facility, which also includes another Fourier transform

spectrometer source, as described in [17,18]. Measurements were performed on the ISEM facility at nominal temperatures of 200 °C, 400 °C, 600 °C, and 800 °C for wavelengths ranging from about 2 (4) μm to about 17 (24) μm , depending on the temperature and detector used. Two detectors were used: a low sensitivity pyroelectric detector (to 24 μm) and a higher sensitivity cryogenically cooled HgCdTe detector (to 17 μm to 20 μm). An image of the originally blasted

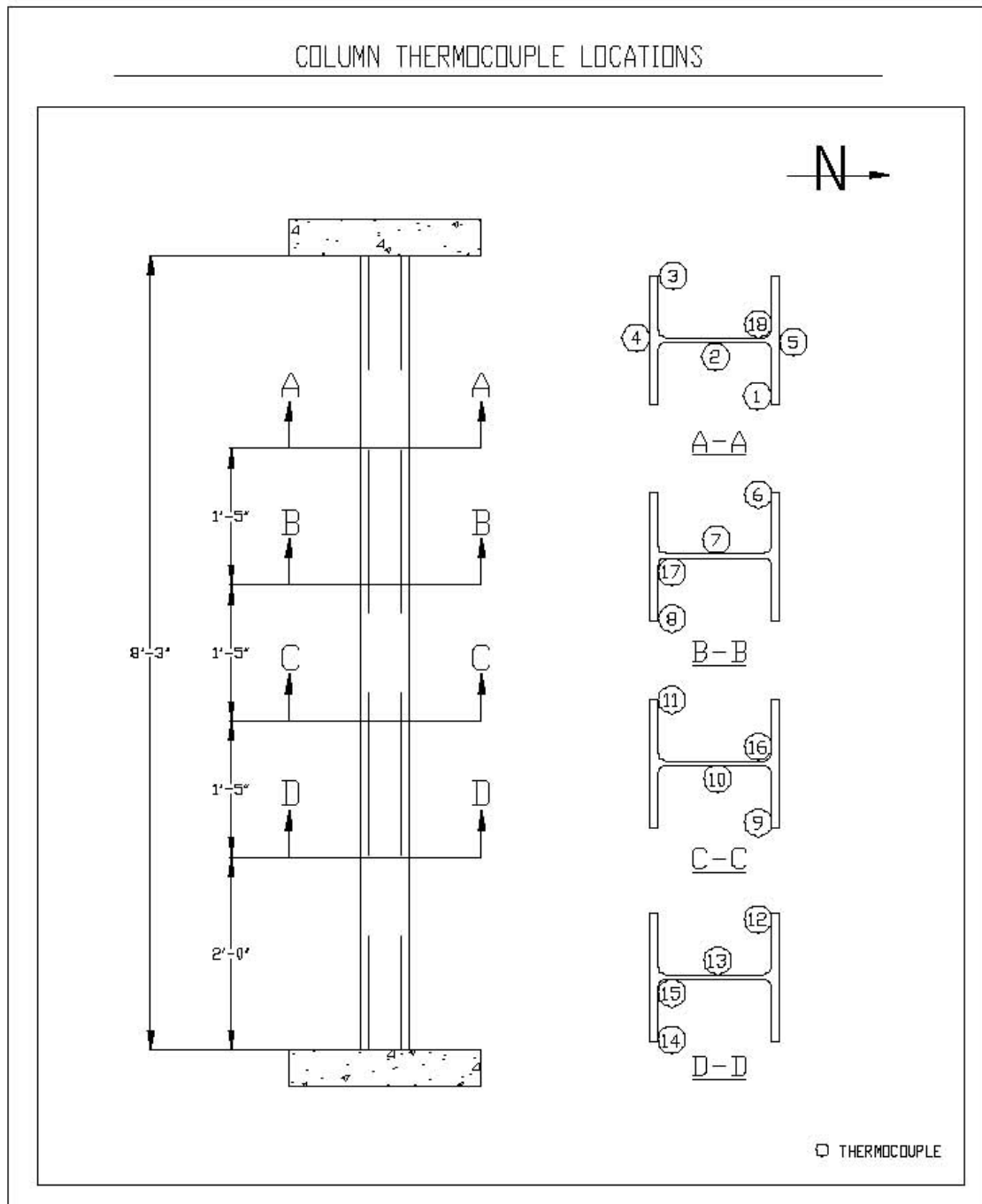


Figure 2. Thermocouple layout for the bare steel column tested in the column furnace. Dimensions are given in feet and inches to conform to specification documents for columns.

specimen after exposure to 400 °C in its sample holder is provided in Figure 3. Figure 4 provides a summary of the data measured for the originally blasted specimen. The average expanded uncertainty of the measured reflectance, using the RIISR, was 3.5 % of the reflectance value. The average expanded uncertainty in the measured emittance, using the ISEM facility, was 2.0 % of the emittance value. The three heavy curves represent the RT results at beginning, middle and end of the overall sample baking process. The pairs of curves for each temperature were taken sequentially and show the cumulative effects of baking during the measurements. It can be observed in Figure 4 that measurement temperature did not have a significant influence on measured emittance as the specimen first heated to 400 °C (or 800 °C) exhibited similar results when measured at that temperature as it exhibited after being cooled back down to room temperature. This would be in agreement with previous results for oxidized steel [7]. The two curves for measurements at 400 °C indicate the progress of the oxidation process during exposure to this temperature, while the 200 °C results suggest that little if any oxidation had occurred by this temperature.



Figure 3. Structural steel specimen in specimen holder for infrared spectral-emissivity measurement.

The measured emittance values were used to compute emissivities using the procedure outlined in Holman [19]. First, the emissive power of a blackbody per unit wavelength ($E_{b\lambda}$) is computed as:

$$E_{b\lambda} = \frac{C_1 \lambda^{-5}}{e^{C_2/\lambda T} - 1} \quad (4)$$

where:

λ = wavelength, μm ,

T = temperature, K

$C_1 = 3.743 \times 10^8 \text{ W} \cdot \mu\text{m}^4/\text{m}^2$, and

$C_2 = 1.4287 \times 10^4 \text{ } \mu\text{m} \cdot \text{K}$. At higher temperatures, the peak of the $E_{b\lambda}$ function is shifted to shorter wavelengths [19]. Based on this function and the measured emittance (ε_λ) vs. wavelength response (from Figure 4 for example), the total emissivity of the steel specimen (ε) was estimated as:

$$\varepsilon = \frac{\int_0^\infty \varepsilon_\lambda E_{b\lambda} d\lambda}{\int_0^\infty E_{b\lambda} d\lambda} \quad (5)$$

The obtained results are provided in Figure 5. It should be noted that the estimated room temperature emissivity of 0.318 is in good agreement with the total reflectance measurement value (0.32) noted above. Clearly, once the steel undergoes oxidation, a much higher emissivity surface is produced.

Sandblasted specimen prior to fire exposure

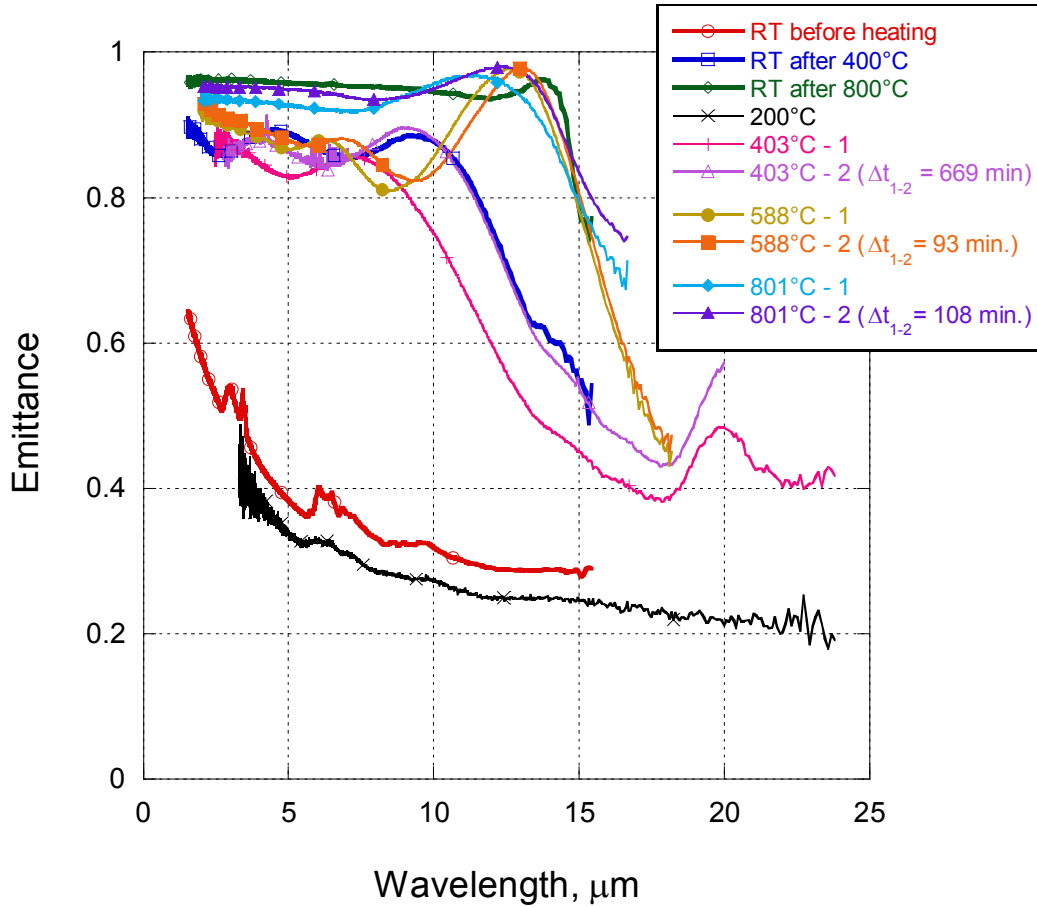


Figure 4. Measured emittance results vs. wavelength at various temperatures for the structural steel specimen that was sandblasted (prior to fire exposure).

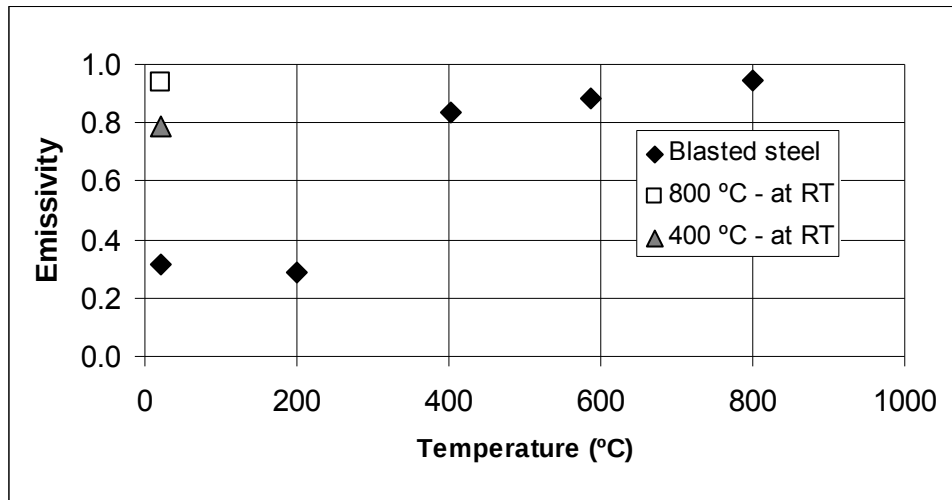


Figure 5. Computed emissivity vs. temperature for the sandblasted steel specimen.

3 Results and Analysis

While the results tabulated in Appendix A indicate significant variability in the steel column temperatures depending on thermocouple height and location around the perimeter of the column, since equation (1) assumes a single steel temperature, the values for all of the steel surface thermocouples were averaged, neglecting those of thermocouples #5 and #18 as mentioned previously. This average value was then compared to predictions obtained using equation (1) with various values for the emissivity term, along with the previously listed values for steel density and heat capacity, convective heat transfer coefficient, and section factor. In applying equation (1), the actual measured average furnace temperatures were employed instead of the standard fire exposure curve. Results are displayed graphically in Figure 6, from which it is clear that the best single choice for effective emissivity is given by 0.4. This value was verified by executing simulations with emissivity values of 0.35, 0.4, and 0.45, and demonstrating that the smallest average absolute error in predicted steel temperatures was produced with the value of 0.4.

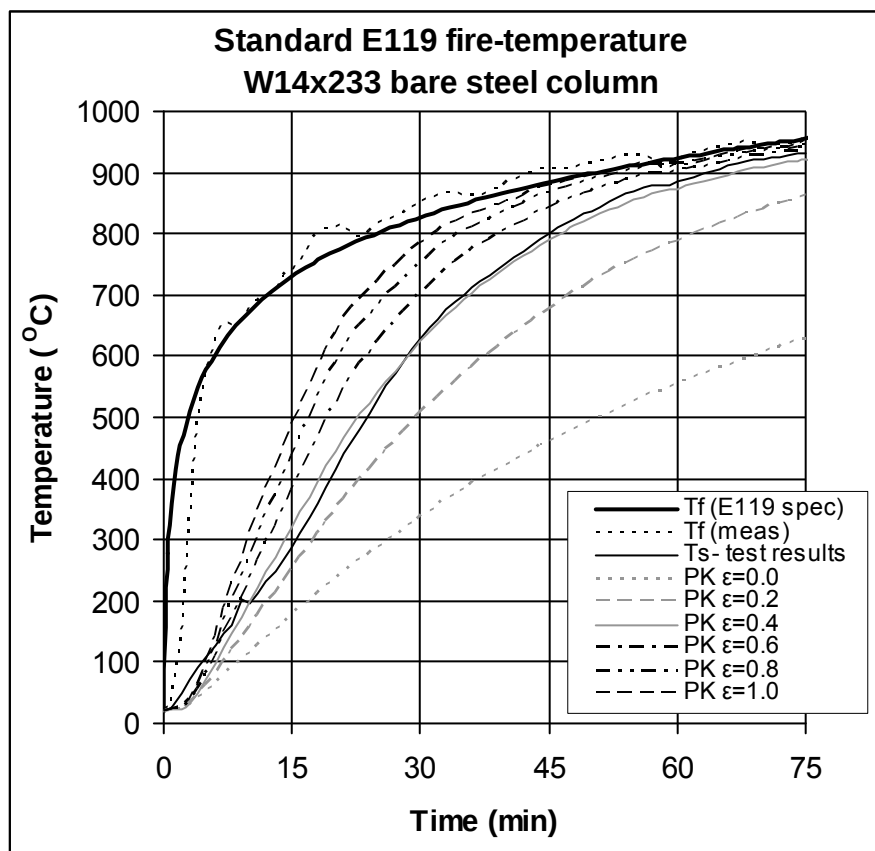


Figure 6. Experimental and model results for average temperature of bare steel column vs. time during an ASTM International E119 fire test exposure.

With $\varepsilon = 0.4$, an excellent fit to the measured data is obtained for temperatures greater than 200 °C or testing times greater than about 10 min. Comparing this emissivity value to those measured at 400 °C (0.83) or 800 °C (0.95), one calculates a “safety” factor of between 0.42 and 0.48, in reasonable agreement with the safety factor of about 0.5 suggested by measurements obtained previously on FRM-protected steel columns and the value of 0.45 obtained previously by Kay et al. [7].

The data obtained during the cool down period provides a further chance to characterize the radiative and convective heat transfer environments in the column furnace. During the cool down period, to slow the cooling rate, most of the vents to the furnace were closed off, suggesting a convective heat transfer coefficient value below that of 25 W/(m²·K) used during the fire exposure. In Figure 7, the same emissivity value of 0.4 was maintained and the convective coefficient was reduced to 10 W/(m²·K) to provide an adequate fit to the measured data during the cool down period. Once again, the value of 10 was verified by executing simulations with values of 5, 10, 15, and 20 and demonstrating that the smallest average absolute error in steel temperature was produced for $h_c = 10$ W/(m²·K).

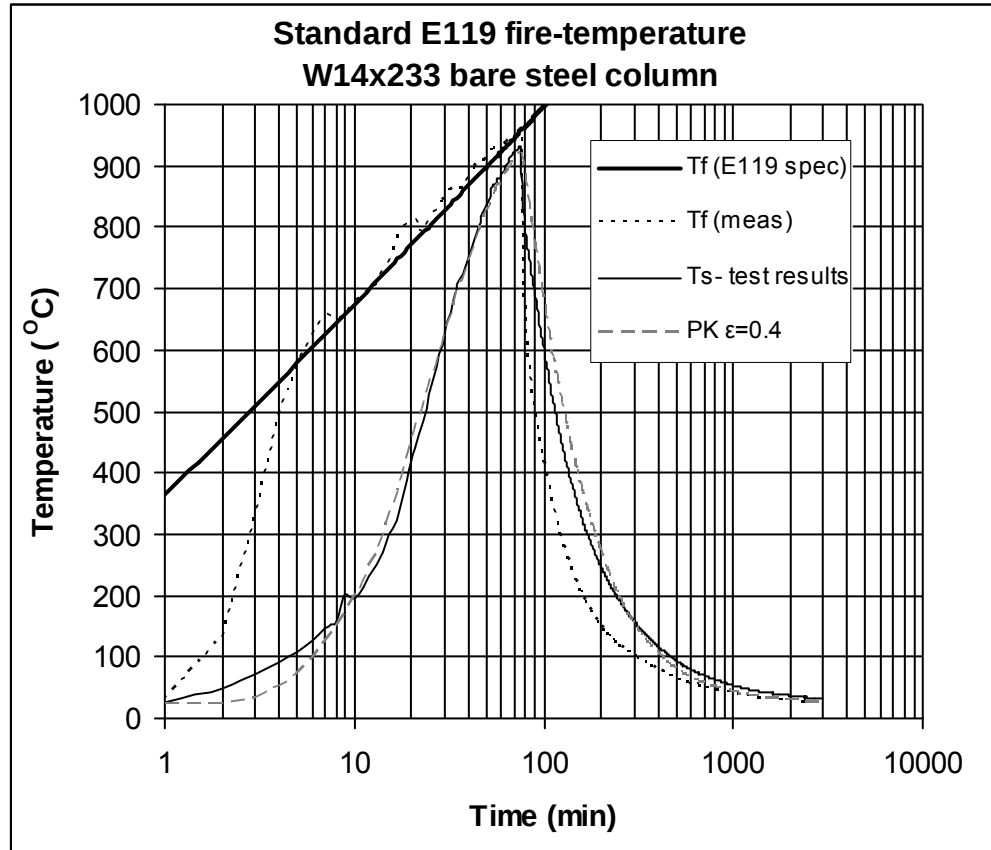


Figure 7. Measured and predicted temperatures during fire exposure and subsequent cool down in the column furnace.

4 Summary

An ASTM International E119 fire test was conducted on a W14x233 bare steel column in a commercial U.S.-based testing laboratory to provide support for the previous choice of a safety factor of 0.5 for the radiative heat transfer environment in the column furnace. The obtained raw temperature data has been provided in Appendix A of this report, to provide an archive data set that may be used by others. A heat transfer analysis of the resultant temperatures has indicated a best-fit effective emissivity value of 0.4 to characterize the radiative heat transfer environment of the furnace during this test. Assuming an emissivity value in the range of 0.83 to 0.95 for the oxidized structural steel employed in this test, the results are consistent with a safety factor in the range of 0.42 to 0.48, in general agreement with the value determined in the modeling of four FRM-insulated columns that were previously tested in the same column furnace employed in this study. This safety factor will be different for each furnace and, as suggested by Wong [11], could even be different for different size columns tested in a single furnace.

5 Acknowledgements

The authors would like to acknowledge the financial and technical support of the current industrial members of the National Institute of Standards and Technology/industry consortium on Performance Assessment and Optimization of Fire Resistive Materials: the American Iron and Steel Institute, Isoltek International, PPG Industries, and W.R. Grace & Co.- Conn. Special thanks are expressed to Isoltek International for providing the bare steel column employed in the column furnace test.

6 References

- [1] ASTM E119, "Standard Test Methods for Fire Tests of Building Construction and Materials," ASTM Annual Book of Standards, ASTM International, West Conshohocken 2007.
- [2] Parkinson, D.L., and Kodur, V.K.R., "Performance-Based Design of Structural Steel for Fire Conditions – A Calculation Methodology," *Steel Structures*, **7**, 219-226, 2007.
- [3] Bentz, D.P., and Prasad, K.R., "Thermal Performance of Fire Resistive Materials I. Characterization of Fire Resistive Materials with Respect to Thermal Performance Models," NISTIR **7401**, U.S. Department of Commerce, February 2007.
- [4] Prasad, K.R., and Bentz, D.P., "Thermal Performance of Fire Resistive Materials II. A Multi-Layer One-Dimensional Heat Transfer Model for Fire Resistive Materials Protecting a Substrate," NISTIR **7482**, U.S. Department of Commerce, February 2008.
- [5] Prasad, K., Twilley, W., and Lawson, J.R., "Thermal Performance of Fire Fighters' Protective Clothing. 1. Numerical Study of Transient Heat and Water Vapor Transfer," NISTIR **6881**, U.S. Department of Commerce, August 2002.
- [6] Bentz, D.P., Flynn, D.R., Kim, J.H., and Zarr, R.R., "A Slug Calorimeter for Evaluating the Thermal Performance of Fire Resistive Materials," *Fire and Materials*, Vol. 30 (4), 257-270 (2006).
- [7] Kay, T.R., Kirby, B.R., and Preston, R.R., "Calculation of the Heating Rate of an Unprotected Steel Member in a Standard Fire Resistance Test," *Fire Safety Journal*, **26**, 327-350, 1996.
- [8] Kirby, B.R., "The Temperatures Attained by Structural Steelwork in Building Fires," *Interflam 2001*, 419-429.
- [9] Wong, M.B., and Ghojel, J.I., "Spreadsheet Method for Temperature Calculation of Unprotected Steelwork Subject to Fire," *The Structural Design of Tall and Special Buildings*, **12**, 83-92, 2003.
- [10] Ghojel, J.I., "A New Approach to Modeling Heat Transfer in Compartment Fires," *Fire Safety Journal*, **31**, 227-237, 1998.
- [11] Wong, M.B., "Size Effect on Temperatures of Structural Steel in Fire," *Journal of Structural Engineering, ASCE*, **131** (1), 16-20, 2005.
- [12] Gayle, F.W., Fields, R.J., Luecke, W.E., Banovic, S.W., Foecke, T., McGowan, C.N., Siewert, T.A., and McColskey, J.D., "Mechanical and Metallurgical Analysis of Structural

- Steel,” NIST NCSTAR 1-3 Federal Building and Fire Safety Investigation of the World Trade Center Disaster, U.S. Department of Commerce, September 2005.
- [13] ASTM E408-71(2008), “Standard Test Methods for Total Normal Emittance of Surfaces Using Inspection-Meter Techniques,” ASTM Annual Book of Standards, ASTM International, West Conshohocken 2008.
 - [14] Nelson, K.E., Luedke, E.E., and Bevans, J.T., “A Device for the Rapid Measurement of Total Emittance,” *Journal of Spacecraft and Rockets*, **3** (5), 758-760, 1966.
 - [15] Hanssen, L.M., and Kaplan, S.G., “Infrared diffuse reflectance instrumentation and standards at NIST,” *Analytica Chimica Acta*, **380**, 289-302, 1998.
 - [16] Hanssen, L.M., Prokhorov, A.V., Khromchenko, V.B., and Mekhontsev, S.N., “Comparison of direct and indirect methods of spectral infrared emittance measurement,” in Proc. TEMPMEKO 2004, ed. by D. Zvizdic (LPM/FSB, Zagreb, Croatia, 2005), p. 539-544.
 - [17] Hanssen, L.M., Cagran, C.P., Prokhorov, A.B., Mekhontsev, S.N., and Khromchenko, V.B., “Use of a High-Temperature Integrating Sphere Reflectometer for Surface-Temperature Measurements,” *International Journal of Thermophysics*, **28** (2), 566-580, 2007.
 - [18] Cagran, C.P., Hanssen, L.M., Noorma, M., Gura, A.V., and Mekhontsev, S.N., “Temperature-Resolved Infrared Spectral Emissivity of SiC and Pt-10Rh for Temperatures up to 900 °C,” *International Journal of Thermophysics*, **28** (2), 581-597, 2007.
 - [19] Holman, J.P., Heat Transfer, McGraw-Hill, New York, 1981.

7 Appendix A- Raw Data from Fire Test

While data was obtained during a testing period of 4123 min, only the first 2500 min of data are tabulated below, as beyond this point, the subsequent changes in temperatures were less than 1 °F. All temperatures are reported in °F, as provided by the testing laboratory. It is NIST policy to use SI metric units in all its publications. In this document, however, works of individuals and laboratories outside NIST are cited which report measurements in non-SI units. Datafiles in electronic format are available upon request (dale.bentz@nist.gov).

7.1 Time and Furnace Temperature Data

Time hr:min:sec Channel	Time Min	STD TEMP	TC #1 Deg.F	TC #2 Deg.F	TC #3 Deg.F	TC #4 Deg.F	TC #5 Deg.F	TC #6 Deg.F	TC #7 Deg.F	TC #8 Deg.F	AVE Deg.F
0:00:00	0	68	78	74	73	72	75	71	76	73	74
0:01:00	1	631	104	94	89	87	98	80	102	88	93
0:02:00	2	799	265	376	222	291	267	209	331	237	275
0:03:00	3	909	636	659	556	683	600	452	772	604	620
0:04:00	4	991	942	946	881	979	875	702	1072	926	915
0:05:00	5	1055	1087	1105	1044	1112	1020	870	1180	1072	1061
0:06:00	6	1108	1178	1204	1132	1214	1146	1021	1237	1138	1159
0:07:00	7	1154	1226	1270	1176	1257	1214	1104	1281	1209	1217
0:08:00	8	1192	1209	1264	1169	1247	1207	1118	1244	1180	1205
0:09:00	9	1226	1219	1260	1172	1245	1238	1156	1240	1166	1212
0:10:00	10	1257	1264	1304	1192	1268	1296	1205	1301	1242	1259
0:11:00	11	1284	1264	1295	1216	1268	1288	1232	1314	1303	1273
0:12:00	12	1308	1270	1302	1283	1283	1300	1241	1343	1273	1287
0:13:00	13	1330	1274	1314	1327	1312	1321	1252	1384	1271	1307
0:14:00	14	1350	1296	1336	1382	1350	1363	1294	1445	1308	1347
0:15:00	15	1369	1300	1327	1407	1366	1358	1315	1451	1366	1361
0:16:00	16	1386	1310	1304	1449	1405	1387	1370	1480	1416	1390
0:17:00	17	1402	1349	1367	1477	1420	1485	1489	1506	1472	1446
0:18:00	18	1417	1375	1427	1500	1425	1529	1561	1493	1474	1473
0:19:00	19	1431	1406	1437	1511	1428	1532	1591	1484	1473	1483
0:20:00	20	1444	1515	1468	1506	1431	1529	1572	1462	1434	1490
0:21:00	21	1457	1534	1478	1517	1443	1518	1567	1472	1435	1495
0:22:00	22	1468	1433	1439	1523	1448	1455	1512	1473	1437	1465
0:23:00	23	1479	1389	1433	1543	1471	1434	1473	1486	1443	1459
0:24:00	24	1490	1394	1448	1577	1512	1449	1474	1511	1467	1479
0:25:00	25	1500	1415	1507	1567	1518	1461	1486	1528	1531	1502
0:26:00	26	1509	1430	1529	1552	1559	1468	1492	1533	1549	1514
0:27:00	27	1518	1444	1521	1548	1557	1477	1495	1541	1566	1519
0:28:00	28	1527	1498	1519	1549	1540	1486	1492	1554	1603	1530
0:29:00	29	1535	1622	1529	1545	1535	1497	1494	1569	1622	1552
0:30:00	30	1543	1661	1553	1546	1550	1520	1511	1562	1613	1564
0:31:00	31	1550	1676	1579	1552	1562	1540	1533	1559	1603	1576
0:32:00	32	1558	1676	1583	1563	1566	1556	1555	1557	1603	1582
0:33:00	33	1565	1661	1588	1580	1582	1564	1564	1559	1617	1589
0:34:00	34	1571	1641	1590	1590	1595	1567	1569	1567	1626	1593
0:35:00	35	1578	1554	1567	1602	1611	1565	1576	1573	1627	1584
0:36:00	36	1584	1533	1561	1615	1618	1564	1576	1578	1633	1585

0:37:00	37	1590	1526	1562	1622	1623	1566	1576	1587	1638	1587
0:38:00	38	1596	1541	1581	1631	1635	1582	1595	1587	1636	1599
0:39:00	39	1602	1551	1594	1632	1635	1582	1592	1596	1654	1605
0:40:00	40	1608	1605	1620	1636	1633	1593	1602	1605	1660	1619
0:41:00	41	1613	1637	1635	1639	1635	1602	1613	1606	1672	1630
0:42:00	42	1618	1649	1655	1646	1654	1614	1622	1614	1673	1641
0:43:00	43	1623	1663	1663	1660	1660	1623	1631	1623	1682	1651
0:44:00	44	1628	1677	1682	1667	1671	1640	1647	1626	1676	1661
0:45:00	45	1633	1680	1682	1675	1680	1648	1662	1618	1669	1664
0:46:00	46	1638	1681	1678	1676	1685	1644	1650	1620	1667	1662
0:47:00	47	1643	1682	1677	1673	1680	1640	1652	1615	1664	1661
0:48:00	48	1647	1682	1684	1681	1685	1647	1657	1624	1667	1666
0:49:00	49	1651	1695	1686	1681	1691	1648	1656	1630	1674	1670
0:50:00	50	1656	1700	1693	1690	1693	1661	1668	1635	1680	1677
0:51:00	51	1660	1708	1700	1690	1703	1669	1676	1642	1685	1684
0:52:00	52	1664	1709	1705	1696	1710	1670	1685	1646	1690	1689
0:53:00	53	1668	1711	1714	1698	1715	1677	1691	1649	1697	1694
0:54:00	54	1672	1725	1719	1705	1716	1682	1697	1655	1703	1700
0:55:00	55	1676	1732	1719	1709	1722	1690	1711	1658	1702	1705
0:56:00	56	1680	1724	1723	1712	1725	1687	1704	1661	1703	1705
0:57:00	57	1684	1701	1700	1703	1711	1667	1685	1653	1691	1689
0:58:00	58	1687	1691	1680	1675	1688	1648	1663	1639	1674	1670
0:59:00	59	1691	1686	1675	1674	1688	1646	1669	1637	1667	1668
1:00:00	60	1694	1695	1686	1689	1700	1663	1678	1652	1683	1681
1:01:00	61	1698	1714	1718	1697	1724	1685	1700	1678	1693	1701
1:02:00	62	1701	1718	1714	1719	1730	1692	1706	1686	1713	1710
1:03:00	63	1705	1730	1718	1724	1734	1695	1709	1690	1724	1716
1:04:00	64	1708	1731	1721	1734	1741	1705	1723	1698	1721	1722
1:05:00	65	1711	1735	1725	1751	1746	1709	1730	1702	1723	1728
1:06:00	66	1715	1742	1732	1746	1753	1720	1740	1711	1727	1734
1:07:00	67	1718	1747	1737	1754	1762	1726	1747	1719	1731	1740
1:08:00	68	1721	1751	1740	1754	1765	1731	1755	1726	1735	1745
1:09:00	69	1724	1735	1738	1748	1763	1722	1753	1723	1727	1739
1:10:00	70	1727	1732	1730	1736	1754	1711	1734	1714	1721	1729
1:11:00	71	1730	1741	1729	1735	1749	1715	1736	1714	1720	1730
1:12:00	72	1733	1750	1732	1731	1751	1720	1741	1718	1726	1734
1:13:00	73	1736	1758	1738	1740	1756	1725	1744	1718	1726	1738
1:14:00	74	1739	1762	1743	1741	1756	1721	1741	1721	1729	1739
1:15:00	75	1742	1761	1747	1743	1757	1723	1745	1722	1730	1741
1:16:00	76		1591	1598	1606	1592	1576	1592	1584	1577	1590
1:17:00	77		1410	1401	1412	1389	1388	1398	1397	1389	1398
1:18:00	78		1303	1289	1303	1275	1284	1286	1289	1282	1289
1:19:00	79		1234	1218	1235	1205	1218	1212	1226	1210	1220
1:20:00	80		1183	1164	1183	1151	1168	1154	1180	1156	1167
1:21:00	81		1141	1118	1141	1105	1125	1105	1140	1111	1123
1:22:00	82		1110	1082	1106	1069	1092	1067	1107	1079	1089
1:23:00	83		1084	1051	1076	1036	1063	1035	1079	1051	1059
1:24:00	84		1057	1024	1048	1006	1036	1008	1054	1025	1032
1:25:00	85		1036	1002	1025	981	1015	987	1036	1001	1010
1:26:00	86		1016	979	1002	957	992	964	1016	980	988
1:27:00	87		996	959	981	936	969	944	997	960	968
1:28:00	88		976	940	963	917	947	922	978	942	948
1:29:00	89		958	921	945	898	929	904	960	924	930
1:30:00	90		941	904	927	880	913	886	944	907	913
1:31:00	91		925	886	909	862	897	869	927	890	896
1:32:00	92		911	870	893	846	881	854	912	875	880
1:33:00	93		896	855	879	830	867	838	898	860	865

1:34:00	94	881	839	863	814	852	823	884	845	850
1:35:00	95	869	826	851	799	839	810	871	833	837
1:36:00	96	855	811	836	783	825	796	857	818	823
1:37:00	97	843	797	821	770	812	783	842	803	809
1:38:00	98	831	783	809	756	799	770	828	790	796
1:39:00	99	819	769	794	743	787	758	813	775	782
1:40:00	100	806	755	780	729	776	746	799	760	769
1:41:00	101	796	744	767	716	766	736	788	748	758
1:42:00	102	785	731	754	703	754	726	777	735	746
1:43:00	103	774	719	742	692	743	713	765	724	734
1:44:00	104	763	708	730	682	731	703	755	712	723
1:45:00	105	751	697	719	670	719	693	743	700	711
1:46:00	106	741	686	708	660	709	682	732	689	701
1:47:00	107	731	677	699	650	697	671	722	679	691
1:48:00	108	721	667	690	640	687	661	713	669	681
1:49:00	109	713	658	680	631	678	652	704	659	672
1:50:00	110	704	650	671	622	668	642	695	651	663
1:51:00	111	695	641	661	612	659	632	687	641	654
1:52:00	112	687	633	653	604	651	623	679	633	645
1:53:00	113	678	624	644	595	641	614	670	623	636
1:54:00	114	669	616	636	586	633	606	661	615	628
1:55:00	115	661	608	627	579	627	600	652	605	620
1:56:00	116	653	600	618	570	619	593	643	597	612
1:57:00	117	644	592	610	562	610	584	636	588	603
1:58:00	118	636	585	602	555	602	577	628	580	596
1:59:00	119	628	577	595	549	595	571	619	572	588
2:00:00	120	621	570	587	542	588	564	611	564	581
2:01:00	121	614	563	580	536	581	557	604	557	574
2:02:00	122	606	555	573	529	573	550	596	550	566
2:03:00	123	600	550	567	523	567	545	591	544	561
2:04:00	124	593	542	560	516	560	538	583	535	554
2:05:00	125	586	535	553	508	554	530	577	528	546
2:06:00	126	579	528	546	502	550	525	569	522	540
2:07:00	127	572	522	539	495	543	519	563	515	534
2:08:00	128	566	516	535	489	537	513	557	509	528
2:09:00	129	560	510	529	485	531	507	550	503	522
2:10:00	130	554	505	523	479	527	502	545	497	516
2:11:00	131	548	499	517	473	521	495	538	492	510
2:12:00	132	543	495	512	469	516	491	533	487	506
2:13:00	133	536	488	505	462	511	485	526	481	499
2:14:00	134	530	483	499	456	506	480	522	475	494
2:15:00	135	526	479	495	452	501	476	517	470	490
2:16:00	136	520	474	490	446	497	472	512	466	485
2:17:00	137	516	470	484	442	493	466	509	461	480
2:18:00	138	510	465	481	438	487	461	503	456	475
2:19:00	139	505	460	476	434	482	456	497	451	470
2:20:00	140	498	456	471	429	477	450	492	445	465
2:21:00	141	494	452	467	425	472	446	487	441	460
2:22:00	142	489	447	463	421	467	441	482	437	456
2:23:00	143	485	443	459	417	463	436	478	433	452
2:24:00	144	480	439	455	414	460	433	474	430	448
2:25:00	145	474	434	451	409	456	429	469	426	444
2:26:00	146	467	430	447	404	450	424	464	420	438
2:27:00	147	461	426	443	400	446	419	460	416	434
2:28:00	148	456	422	439	397	442	416	454	412	430
2:29:00	149	449	418	435	392	438	412	450	408	425
2:30:00	150	445	415	431	389	435	408	445	403	421

2:31:00	151	442	411	428	386	431	404	442	399	418
2:32:00	152	439	408	425	383	429	401	438	397	415
2:33:00	153	437	406	422	379	426	397	435	393	412
2:34:00	154	433	403	419	376	424	393	432	390	409
2:35:00	155	431	401	415	373	421	391	429	387	406
2:36:00	156	428	398	411	370	419	389	426	385	403
2:37:00	157	426	394	408	367	416	386	423	381	400
2:38:00	158	423	392	405	364	414	384	419	377	397
2:39:00	159	419	388	401	362	410	381	416	375	394
2:40:00	160	414	385	399	358	406	377	412	371	390
2:41:00	161	407	381	395	356	402	375	408	367	386
2:42:00	162	403	378	393	353	399	371	404	364	383
2:43:00	163	398	374	389	350	396	368	400	361	379
2:44:00	164	393	371	385	347	393	364	398	358	376
2:45:00	165	389	369	382	346	390	362	394	356	373
2:46:00	166	385	366	380	343	387	359	391	353	371
2:47:00	167	383	365	377	340	385	357	390	350	368
2:48:00	168	381	363	375	338	383	354	387	348	366
2:49:00	169	380	360	372	337	380	353	384	346	364
2:50:00	170	378	357	370	334	377	351	382	343	361
2:51:00	171	377	355	368	332	376	348	379	341	360
2:52:00	172	374	353	366	329	374	347	378	338	357
2:53:00	173	373	350	363	327	372	345	374	336	355
2:54:00	174	371	348	361	325	370	343	372	335	353
2:55:00	175	368	346	359	323	367	340	370	332	351
2:56:00	176	366	343	356	321	365	339	369	330	349
2:57:00	177	364	341	355	318	363	337	366	328	347
2:58:00	178	362	338	353	317	360	335	364	325	344
2:59:00	179	361	337	350	315	357	332	363	323	342
3:00:00	180	358	335	348	313	356	331	361	322	341
3:01:00	181	356	333	347	311	355	330	359	319	339
3:02:00	182	354	332	345	310	352	327	357	318	337
3:03:00	183	350	330	344	308	349	325	355	316	335
3:04:00	184	347	327	341	305	347	322	354	313	332
3:05:00	185	345	325	339	303	344	321	351	311	330
3:06:00	186	342	323	337	301	342	319	349	308	327
3:07:00	187	339	322	334	298	341	316	348	307	326
3:08:00	188	336	321	332	296	339	314	345	305	324
3:09:00	189	333	318	330	293	337	313	343	304	321
3:10:00	190	331	317	328	292	335	310	341	301	319
3:11:00	191	329	316	325	289	334	308	339	300	317
3:12:00	192	326	315	324	288	332	307	338	298	316
3:13:00	193	324	313	321	286	330	304	337	297	314
3:14:00	194	321	311	320	283	328	302	334	296	312
3:15:00	195	320	310	318	282	327	301	333	293	311
3:16:00	196	319	308	317	280	325	298	330	292	309
3:17:00	197	317	306	315	277	323	297	329	291	307
3:18:00	198	314	305	313	276	322	295	328	290	305
3:19:00	199	313	304	311	274	320	294	326	289	304
3:20:00	200	311	302	310	273	319	292	324	288	302
3:21:00	201	310	301	309	271	317	290	323	286	301
3:22:00	202	308	299	308	270	315	289	321	284	299
3:23:00	203	306	297	307	269	314	288	320	283	298
3:24:00	204	305	296	304	267	312	287	318	282	296
3:25:00	205	303	295	303	266	311	286	317	280	295
3:26:00	206	300	294	301	265	308	283	316	278	293
3:27:00	207	299	291	299	263	307	282	314	277	292

3:28:00	208	297	290	298	262	306	281	313	276	290
3:29:00	209	296	289	297	260	305	280	311	274	289
3:30:00	210	293	288	295	259	303	279	309	273	287
3:31:00	211	292	287	294	258	301	276	308	271	286
3:32:00	212	290	285	292	257	299	275	306	270	284
3:33:00	213	289	283	291	255	298	275	304	270	283
3:34:00	214	288	282	289	254	297	273	303	267	282
3:35:00	215	287	281	288	253	296	272	302	266	280
3:36:00	216	285	280	288	252	295	270	299	265	279
3:37:00	217	284	279	287	251	294	269	298	264	278
3:38:00	218	283	278	284	249	292	269	297	263	277
3:39:00	219	281	276	283	248	291	268	296	262	276
3:40:00	220	280	275	282	246	290	267	295	260	274
3:41:00	221	279	273	281	245	289	265	294	259	273
3:42:00	222	279	272	280	244	287	263	293	258	272
3:43:00	223	279	270	277	243	286	262	291	257	271
3:44:00	224	279	269	276	242	284	260	290	256	269
3:45:00	225	278	267	276	240	283	258	289	255	268
3:46:00	226	276	267	274	239	281	258	288	254	267
3:47:00	227	275	266	273	239	280	257	287	253	266
3:48:00	228	273	265	272	238	279	256	286	251	265
3:49:00	229	272	264	271	238	278	256	285	250	264
3:50:00	230	271	264	271	237	278	255	285	249	264
3:51:00	231	269	262	270	236	277	254	283	248	262
3:52:00	232	267	262	269	236	276	252	282	248	262
3:53:00	233	267	261	267	235	276	251	281	247	261
3:54:00	234	266	260	266	235	275	251	281	246	260
3:55:00	235	265	259	265	234	274	250	280	245	259
3:56:00	236	264	259	265	234	274	249	279	244	258
3:57:00	237	262	258	264	233	272	249	278	242	257
3:58:00	238	260	256	262	232	272	248	277	242	256
3:59:00	239	259	255	261	231	271	247	276	241	255
4:00:00	240	258	254	260	229	269	246	275	240	254
4:01:00	241	258	253	259	227	269	245	274	239	253
4:02:00	242	258	253	258	227	268	244	274	239	252
4:03:00	243	259	252	256	225	266	242	272	238	251
4:04:00	244	260	251	256	224	265	241	271	236	251
4:05:00	245	260	250	255	224	264	240	270	236	250
4:06:00	246	260	248	254	223	263	239	269	235	249
4:07:00	247	260	248	254	222	262	238	268	235	248
4:08:00	248	260	247	253	221	260	236	267	234	247
4:09:00	249	260	246	252	220	259	235	266	234	247
4:10:00	250	260	245	251	218	258	234	265	233	246
4:11:00	251	260	245	250	217	257	233	264	232	245
4:12:00	252	260	244	250	217	257	233	264	231	244
4:13:00	253	260	243	249	216	256	231	263	229	243
4:14:00	254	260	242	248	215	255	231	262	228	243
4:15:00	255	260	240	248	214	254	230	261	228	242
4:16:00	256	260	239	247	214	254	229	260	227	241
4:17:00	257	259	239	245	213	253	228	260	226	240
4:18:00	258	259	238	245	213	251	227	258	226	240
4:19:00	259	259	237	244	212	251	227	257	225	239
4:20:00	260	258	236	243	211	250	226	257	224	238
4:21:00	261	258	235	242	210	249	226	256	224	237
4:22:00	262	257	234	242	210	248	224	255	223	237
4:23:00	263	257	234	241	209	248	223	254	222	236
4:24:00	264	256	233	240	209	247	223	253	222	235

4:25:00	265	256	232	240	208	246	222	253	221	235
4:26:00	266	255	231	239	206	244	221	252	219	233
4:27:00	267	254	231	238	206	244	221	252	219	233
4:28:00	268	254	229	238	205	243	220	251	218	232
4:29:00	269	252	228	237	205	243	220	250	218	232
4:30:00	270	252	228	236	204	242	219	250	217	231
4:31:00	271	251	227	235	203	242	218	249	216	230
4:32:00	272	251	227	235	203	241	218	249	215	230
4:33:00	273	250	226	233	202	240	217	247	215	229
4:34:00	274	250	225	232	202	239	215	246	214	228
4:35:00	275	249	225	232	201	239	215	246	213	228
4:36:00	276	248	224	231	201	238	214	245	213	227
4:37:00	277	248	224	231	200	238	214	245	212	226
4:38:00	278	248	223	230	200	236	213	245	212	226
4:39:00	279	247	223	230	199	236	213	244	211	225
4:40:00	280	247	222	229	199	235	213	244	211	225
4:41:00	281	246	222	229	199	235	213	244	211	225
4:42:00	282	245	221	229	199	235	213	243	211	224
4:43:00	283	243	221	229	199	235	212	243	211	224
4:44:00	284	241	221	229	199	235	212	243	210	224
4:45:00	285	240	220	228	199	234	212	242	210	223
4:46:00	286	239	220	228	199	234	212	242	209	223
4:47:00	287	239	220	228	199	234	211	241	209	222
4:48:00	288	239	220	227	199	234	211	241	209	222
4:49:00	289	239	218	227	199	233	211	241	208	222
4:50:00	290	238	218	227	198	233	211	240	208	222
4:51:00	291	238	218	227	198	232	211	240	208	221
4:52:00	292	238	217	226	198	232	210	238	208	221
4:53:00	293	238	216	226	198	232	210	238	206	221
4:54:00	294	238	216	226	198	231	210	238	206	220
4:55:00	295	237	216	225	198	231	210	237	205	220
4:56:00	296	237	216	225	198	231	209	237	205	220
4:57:00	297	236	215	225	198	231	209	237	205	219
4:58:00	298	236	215	224	197	230	209	236	204	219
4:59:00	299	236	214	224	197	230	209	236	204	219
5:00:00	300	235	214	224	197	230	209	236	204	219
5:01:00	301	235	214	222	197	229	208	235	203	218
5:02:00	302	235	213	222	196	229	208	235	203	218
5:03:00	303	233	213	222	196	229	207	235	202	217
5:04:00	304	233	213	221	196	229	207	234	202	217
5:05:00	305	233	212	221	195	228	206	234	201	216
5:06:00	306	232	211	220	193	228	204	233	201	215
5:07:00	307	232	211	220	192	227	204	233	201	215
5:08:00	308	231	210	219	192	226	203	232	200	214
5:09:00	309	231	209	218	191	224	202	231	199	213
5:10:00	310	230	208	217	190	224	202	230	199	212
5:11:00	311	230	207	216	190	223	201	230	198	212
5:12:00	312	229	206	216	189	223	201	229	197	211
5:13:00	313	229	206	215	189	222	200	227	195	210
5:14:00	314	228	204	215	188	221	199	227	195	210
5:15:00	315	228	204	213	188	221	199	227	195	210
5:16:00	316	227	204	213	188	220	199	226	195	209
5:17:00	317	227	203	213	187	220	198	226	195	209
5:18:00	318	227	203	213	187	219	198	226	195	209
5:19:00	319	226	203	212	186	219	197	225	195	208
5:20:00	320	226	203	212	186	218	197	225	194	208
5:21:00	321	225	202	212	186	218	197	225	194	207

5:22:00	322	225	202	211	185	218	197	225	193	207
5:23:00	323	225	202	211	185	217	196	224	193	207
5:24:00	324	224	202	211	185	217	196	224	193	207
5:25:00	325	224	201	210	185	216	196	224	192	206
5:26:00	326	224	201	210	184	216	195	223	192	206
5:27:00	327	222	201	209	184	216	195	223	191	205
5:28:00	328	222	201	209	184	216	195	223	191	205
5:29:00	329	222	200	209	184	216	194	222	191	205
5:30:00	330	221	200	209	183	215	194	222	191	204
5:31:00	331	221	200	209	183	215	194	222	190	204
5:32:00	332	221	199	208	183	215	193	221	190	204
5:33:00	333	220	199	208	183	214	193	221	190	203
5:34:00	334	220	199	208	182	214	193	221	189	203
5:35:00	335	219	199	207	182	213	191	220	189	202
5:36:00	336	219	198	207	182	213	191	220	188	202
5:37:00	337	218	198	206	181	213	190	219	188	201
5:38:00	338	218	197	206	181	211	190	218	187	201
5:39:00	339	217	196	205	179	210	189	218	186	200
5:40:00	340	217	196	204	179	210	189	217	185	200
5:41:00	341	216	195	204	178	209	188	215	185	199
5:42:00	342	216	193	203	178	209	188	215	184	198
5:43:00	343	216	193	203	177	209	187	214	182	198
5:44:00	344	215	192	202	177	208	187	214	182	197
5:45:00	345	215	192	202	176	208	186	213	181	197
5:46:00	346	214	191	200	175	207	186	212	181	196
5:47:00	347	214	191	199	175	207	185	212	180	195
5:48:00	348	213	190	199	174	206	185	211	180	195
5:49:00	349	213	190	198	173	206	184	211	180	194
5:50:00	350	211	189	198	172	205	184	210	179	194
5:51:00	351	211	189	197	172	205	183	210	179	193
5:52:00	352	211	189	197	171	205	183	209	178	193
5:53:00	353	210	188	196	171	204	182	209	178	192
5:54:00	354	210	188	196	171	204	182	209	178	192
5:55:00	355	209	187	195	170	203	181	208	177	191
5:56:00	356	209	187	195	170	203	181	208	177	191
5:57:00	357	209	187	194	169	202	181	207	177	191
5:58:00	358	209	186	194	169	202	180	207	176	190
5:59:00	359	208	186	194	169	200	180	207	176	190
6:00:00	360	208	185	193	168	200	179	205	176	189
6:01:00	361	207	185	193	168	200	179	205	176	189
6:02:00	362	207	185	191	166	199	177	204	175	188
6:03:00	363	206	184	191	166	199	177	204	175	188
6:04:00	364	206	184	191	166	198	177	203	173	187
6:05:00	365	206	183	190	165	198	176	203	173	187
6:06:00	366	205	183	190	165	198	176	203	173	187
6:07:00	367	205	183	190	165	198	176	202	172	187
6:08:00	368	204	182	190	165	198	176	202	172	186
6:09:00	369	204	182	189	164	197	175	202	172	186
6:10:00	370	204	182	189	164	197	175	201	171	185
6:11:00	371	203	182	189	164	197	175	201	171	185
6:12:00	372	203	181	188	163	196	174	201	171	185
6:13:00	373	203	181	188	163	196	174	201	170	184
6:14:00	374	202	179	188	163	196	174	200	170	184
6:15:00	375	202	179	188	163	196	173	200	170	184
6:16:00	376	202	179	187	162	195	173	199	170	183
6:17:00	377	200	178	187	162	195	173	199	169	183
6:18:00	378	200	178	186	162	195	172	198	169	183

6:19:00	379	199	178	186	162	195	172	198	169	182
6:20:00	380	199	177	186	161	194	171	197	168	182
6:21:00	381	198	177	185	161	194	171	197	168	181
6:22:00	382	198	177	185	161	193	171	195	168	181
6:23:00	383	197	176	185	160	193	170	195	167	180
6:24:00	384	197	176	185	160	193	170	194	167	180
6:25:00	385	197	175	184	159	192	170	194	167	180
6:26:00	386	196	175	184	159	192	169	193	166	179
6:27:00	387	196	175	184	159	192	169	193	166	179
6:28:00	388	195	175	182	159	191	169	193	165	179
6:29:00	389	195	174	182	158	191	168	193	165	178
6:30:00	390	195	174	182	158	191	168	193	165	178
6:31:00	391	195	174	181	158	191	168	192	165	178
6:32:00	392	194	174	181	158	190	168	192	164	178
6:33:00	393	194	173	181	158	190	168	192	164	177
6:34:00	394	194	173	181	158	190	168	191	164	177
6:35:00	395	194	173	180	157	190	166	191	164	177
6:36:00	396	193	173	180	157	189	166	191	164	177
6:37:00	397	193	173	180	157	189	166	191	163	176
6:38:00	398	193	172	180	157	189	165	190	163	176
6:39:00	399	192	172	179	155	188	165	190	163	175
6:40:00	400	192	172	179	155	188	164	190	163	175
6:41:00	401	192	172	179	155	188	164	190	162	175
6:42:00	402	191	171	179	155	186	164	189	162	175
6:43:00	403	191	171	178	154	186	164	189	161	174
6:44:00	404	191	170	178	154	186	163	188	161	174
6:45:00	405	190	170	178	154	186	163	188	161	174
6:46:00	406	190	170	177	154	185	163	188	161	173
6:47:00	407	190	170	177	154	185	163	186	159	173
6:48:00	408	190	170	177	154	185	163	186	159	173
6:49:00	409	188	168	177	153	185	163	186	159	173
6:50:00	410	188	168	176	153	185	162	186	158	172
6:51:00	411	187	167	176	152	184	162	185	158	172
6:52:00	412	187	167	175	152	184	162	185	158	171
6:53:00	413	187	167	175	152	184	162	185	158	171
6:54:00	414	187	167	175	152	184	162	185	158	171
6:55:00	415	186	167	175	152	184	162	184	157	171
6:56:00	416	186	167	175	152	183	161	184	157	171
6:57:00	417	186	166	175	152	183	161	184	157	171
6:58:00	418	186	166	174	151	183	161	183	157	170
6:59:00	419	185	166	174	151	182	160	183	157	170
7:00:00	420	185	166	174	151	182	160	183	156	170
7:01:00	421	185	165	173	150	182	160	183	156	169
7:02:00	422	184	165	173	150	182	159	182	155	169
7:03:00	423	184	165	173	150	181	159	182	155	169
7:04:00	424	184	164	172	150	181	159	181	155	168
7:05:00	425	183	164	172	149	181	159	181	154	168
7:06:00	426	183	164	172	149	181	157	181	154	168
7:07:00	427	183	163	171	149	180	157	180	154	167
7:08:00	428	182	163	171	148	180	157	180	154	167
7:09:00	429	182	163	171	148	180	156	180	153	167
7:10:00	430	182	162	171	148	179	156	179	153	166
7:11:00	431	181	162	170	147	179	155	179	153	166
7:12:00	432	181	162	170	147	179	155	179	153	166
7:13:00	433	180	161	170	147	178	155	177	152	165
7:14:00	434	180	161	170	147	178	154	177	152	165
7:15:00	435	180	161	168	146	178	154	176	152	164

7:16:00	436	179	161	168	146	178	154	176	152	164
7:17:00	437	179	159	168	146	177	154	176	151	164
7:18:00	438	179	159	168	146	177	154	176	151	164
7:19:00	439	177	159	167	146	177	154	175	151	163
7:20:00	440	177	159	167	146	176	153	175	151	163
7:21:00	441	177	158	167	145	176	153	174	151	163
7:22:00	442	177	158	167	145	176	153	174	150	163
7:23:00	443	176	158	166	145	175	153	174	150	162
7:24:00	444	176	158	166	145	175	152	174	150	162
7:25:00	445	176	158	166	145	175	152	174	150	162
7:26:00	446	176	157	166	145	175	152	174	150	162
7:27:00	447	176	157	166	145	173	152	174	150	162
7:28:00	448	175	157	165	144	173	152	173	149	161
7:29:00	449	175	157	165	144	173	152	173	149	161
7:30:00	450	175	157	165	144	173	152	173	149	161
7:31:00	451	175	157	165	144	173	151	173	149	161
7:32:00	452	174	156	165	144	173	151	173	149	161
7:33:00	453	174	156	165	143	172	151	172	149	160
7:34:00	454	174	156	164	143	172	151	172	148	160
7:35:00	455	174	156	164	143	172	151	172	148	160
7:36:00	456	173	156	164	143	172	150	171	148	160
7:37:00	457	173	155	163	143	171	150	171	146	159
7:38:00	458	173	155	163	141	171	150	171	146	159
7:39:00	459	173	155	163	141	171	150	170	146	159
7:40:00	460	172	155	163	141	171	150	170	146	159
7:41:00	461	172	155	162	141	171	150	170	145	158
7:42:00	462	172	154	162	141	170	149	169	145	158
7:43:00	463	172	154	162	141	170	149	169	145	158
7:44:00	464	171	154	162	141	170	149	169	145	158
7:45:00	465	171	154	162	140	170	149	169	144	157
7:46:00	466	171	153	161	140	169	148	168	144	157
7:47:00	467	171	153	161	140	169	148	168	144	157
7:48:00	468	170	153	161	140	169	148	168	144	157
7:49:00	469	170	152	161	139	169	148	168	143	156
7:50:00	470	170	152	160	139	168	146	166	143	156
7:51:00	471	169	152	160	139	168	146	166	143	155
7:52:00	472	169	152	160	139	168	146	166	143	155
7:53:00	473	169	151	160	139	167	146	166	143	155
7:54:00	474	168	151	159	138	167	145	165	142	154
7:55:00	475	168	151	159	138	167	145	165	142	154
7:56:00	476	168	150	159	138	167	145	165	141	154
7:57:00	477	168	150	159	138	166	145	165	141	154
7:58:00	478	166	150	158	138	166	144	164	141	153
7:59:00	479	166	150	158	137	166	144	164	141	153
8:00:00	480	166	150	158	137	166	144	164	141	153
8:01:00	481	166	148	158	137	166	144	164	141	153
8:02:00	482	165	148	158	137	166	144	164	141	153
8:03:00	483	165	148	157	137	166	144	164	140	153
8:04:00	484	165	148	157	136	165	143	163	140	152
8:05:00	485	165	148	157	136	165	143	163	140	152
8:06:00	486	165	148	157	136	165	143	163	140	152
8:07:00	487	164	148	157	136	165	143	163	140	152
8:08:00	488	164	147	155	136	164	143	163	140	152
8:09:00	489	164	147	155	136	164	143	163	140	152
8:10:00	490	163	147	154	135	164	142	162	139	151
8:11:00	491	163	147	154	135	164	142	162	139	151
8:12:00	492	163	146	154	135	164	142	162	139	151

8:13:00	493	163	146	154	135	163	142	161	139	150
8:14:00	494	163	146	153	135	163	142	161	138	150
8:15:00	495	162	146	153	135	163	141	161	138	150
8:16:00	496	162	145	153	134	162	141	161	138	150
8:17:00	497	162	145	153	134	162	141	160	138	149
8:18:00	498	162	145	153	134	162	141	160	138	149
8:19:00	499	162	145	152	134	162	141	160	138	149
8:20:00	500	162	145	152	134	162	141	160	138	149
8:21:00	501	161	145	152	134	161	140	160	137	149
8:22:00	502	161	145	152	134	161	140	160	137	149
8:23:00	503	161	144	152	133	161	140	160	137	148
8:24:00	504	161	144	152	133	161	140	159	137	148
8:25:00	505	161	144	152	133	161	140	159	137	148
8:26:00	506	160	144	152	133	159	140	159	137	148
8:27:00	507	160	144	151	133	159	140	159	136	148
8:28:00	508	160	144	151	133	159	140	159	136	148
8:29:00	509	160	143	151	133	159	139	158	136	147
8:30:00	510	160	143	151	133	159	139	158	136	147
8:31:00	511	160	143	151	133	159	139	158	136	147
8:32:00	512	159	143	150	133	158	139	158	136	147
8:33:00	513	159	143	150	132	158	139	158	136	147
8:34:00	514	159	143	150	132	158	138	158	136	147
8:35:00	515	159	143	150	132	158	138	158	136	147
8:36:00	516	159	142	150	132	158	138	157	135	146
8:37:00	517	159	142	150	132	158	138	157	135	146
8:38:00	518	158	142	150	132	157	138	157	135	146
8:39:00	519	158	142	149	132	157	138	157	135	146
8:40:00	520	158	142	149	131	157	138	157	135	146
8:41:00	521	158	142	149	131	157	138	157	135	146
8:42:00	522	157	142	149	131	157	137	156	134	145
8:43:00	523	157	142	149	131	156	137	156	134	145
8:44:00	524	157	141	149	131	156	137	156	134	145
8:45:00	525	157	141	148	131	156	137	156	134	145
8:46:00	526	157	141	148	130	156	137	155	134	145
8:47:00	527	156	141	148	130	156	136	155	134	144
8:48:00	528	156	141	148	130	156	136	155	132	144
8:49:00	529	156	141	148	130	155	136	155	132	144
8:50:00	530	156	140	148	130	155	136	155	132	144
8:51:00	531	156	140	148	130	155	136	154	132	144
8:52:00	532	156	140	148	130	155	136	154	132	144
8:53:00	533	155	140	148	130	155	136	154	132	144
8:54:00	534	155	140	147	130	155	136	154	132	143
8:55:00	535	155	140	147	130	155	136	154	131	143
8:56:00	536	155	140	147	130	154	135	154	131	143
8:57:00	537	154	139	147	128	154	135	152	131	142
8:58:00	538	154	139	147	128	154	135	152	131	142
8:59:00	539	154	139	147	128	154	135	152	131	142
9:00:00	540	154	139	147	128	153	135	152	131	142
9:01:00	541	154	139	146	128	153	134	152	131	142
9:02:00	542	154	139	146	128	153	134	152	131	142
9:03:00	543	152	138	146	127	153	134	151	130	141
9:04:00	544	152	138	146	127	152	134	151	130	141
9:05:00	545	152	138	145	127	152	134	151	130	141
9:06:00	546	152	138	145	127	152	134	151	130	141
9:07:00	547	152	138	145	127	152	134	151	130	141
9:08:00	548	151	137	145	127	152	132	150	130	141
9:09:00	549	151	137	145	127	152	132	150	130	141

9:10:00	550	151	137	143	126	151	132	150	130	140
9:11:00	551	151	137	143	126	151	132	150	130	140
9:12:00	552	151	137	143	126	151	132	150	129	140
9:13:00	553	150	137	143	126	151	132	150	129	140
9:14:00	554	150	137	143	126	151	131	150	129	140
9:15:00	555	150	137	143	126	151	131	150	129	140
9:16:00	556	150	137	143	126	151	131	150	129	140
9:17:00	557	150	137	143	126	151	131	150	129	140
9:18:00	558	150	136	142	126	150	131	149	128	139
9:19:00	559	150	136	142	126	150	131	149	128	139
9:20:00	560	150	136	142	126	150	131	149	128	139
9:21:00	561	149	136	142	126	150	131	149	128	139
9:22:00	562	149	136	142	125	149	131	149	128	139
9:23:00	563	149	136	142	125	149	130	148	128	138
9:24:00	564	149	134	141	125	149	130	148	127	138
9:25:00	565	149	134	141	125	149	130	148	127	138
9:26:00	566	149	134	141	125	149	130	148	127	138
9:27:00	567	148	134	141	125	149	130	148	127	138
9:28:00	568	148	134	141	125	149	130	148	127	138
9:29:00	569	148	134	141	125	149	130	147	127	138
9:30:00	570	148	134	140	125	148	130	147	127	137
9:31:00	571	148	134	140	124	148	130	147	127	137
9:32:00	572	148	133	140	124	148	130	147	127	137
9:33:00	573	147	133	140	124	148	130	147	127	137
9:34:00	574	147	133	140	124	148	129	147	126	137
9:35:00	575	147	133	140	124	148	129	147	126	137
9:36:00	576	147	133	140	124	148	129	147	126	137
9:37:00	577	147	133	139	124	148	129	146	126	137
9:38:00	578	147	133	139	124	146	129	146	126	136
9:39:00	579	147	133	139	124	146	129	146	126	136
9:40:00	580	146	132	139	123	146	128	146	126	136
9:41:00	581	146	132	139	123	146	128	145	125	136
9:42:00	582	146	132	139	123	146	128	145	125	136
9:43:00	583	146	132	139	123	146	128	145	125	136
9:44:00	584	146	132	138	123	145	128	145	125	135
9:45:00	585	146	132	138	123	145	128	145	125	135
9:46:00	586	145	131	138	123	145	127	144	125	135
9:47:00	587	145	131	138	122	145	127	144	125	135
9:48:00	588	145	131	138	122	145	127	144	125	135
9:49:00	589	145	131	138	122	144	127	144	125	135
9:50:00	590	145	131	137	122	144	127	144	124	134
9:51:00	591	145	131	137	122	144	127	144	124	134
9:52:00	592	144	131	137	122	144	127	144	124	134
9:53:00	593	144	130	137	122	144	127	144	124	134
9:54:00	594	144	130	137	121	143	126	143	124	133
9:55:00	595	144	130	137	121	143	126	143	124	133
9:56:00	596	144	130	137	121	143	126	143	124	133
9:57:00	597	144	130	137	121	143	126	143	123	133
9:58:00	598	143	130	137	121	143	126	143	123	133
9:59:00	599	143	130	136	121	143	126	143	123	133
10:00:00	600	143	130	136	121	142	125	143	123	133
10:01:00	601	143	129	136	121	142	125	143	123	133
10:02:00	602	143	129	136	120	142	125	142	123	132
10:03:00	603	143	129	136	120	142	125	142	123	132
10:04:00	604	141	129	135	120	142	125	142	123	132
10:05:00	605	141	129	135	120	142	125	142	123	132
10:06:00	606	141	129	135	120	141	125	142	123	132

10:07:00	607	141	129	135	120	141	125	142	123	132
10:08:00	608	141	129	135	120	141	124	142	122	132
10:09:00	609	141	128	135	120	141	124	141	122	131
10:10:00	610	141	128	135	119	141	124	141	122	131
10:11:00	611	141	128	135	119	141	124	141	122	131
10:12:00	612	140	128	134	119	141	124	141	122	131
10:13:00	613	140	128	134	119	141	124	141	122	131
10:14:00	614	140	128	134	119	140	123	141	122	131
10:15:00	615	140	128	134	119	140	123	141	122	131
10:16:00	616	140	128	134	119	140	123	139	122	131
10:17:00	617	140	128	134	119	140	123	139	122	131
10:18:00	618	140	128	134	119	140	123	139	122	131
10:19:00	619	140	128	134	119	140	123	139	121	130
10:20:00	620	139	127	134	119	140	123	139	121	130
10:21:00	621	139	127	134	119	140	123	139	121	130
10:22:00	622	139	127	134	119	140	123	139	121	130
10:23:00	623	139	127	134	119	139	123	138	121	130
10:24:00	624	139	127	133	118	139	122	138	121	129
10:25:00	625	139	127	133	118	139	122	138	121	129
10:26:00	626	139	127	133	118	139	122	138	121	129
10:27:00	627	139	127	133	118	139	122	138	121	129
10:28:00	628	139	127	133	118	139	122	138	121	129
10:29:00	629	139	127	133	118	139	122	138	121	129
10:30:00	630	139	127	133	118	139	122	138	121	129
10:31:00	631	139	127	133	118	139	122	138	121	129
10:32:00	632	139	127	133	118	139	122	138	121	129
10:33:00	633	139	127	133	118	139	122	138	121	129
10:34:00	634	139	127	133	118	139	122	138	121	129
10:35:00	635	139	127	133	118	139	122	138	121	129
10:36:00	636	139	127	133	118	139	122	138	121	129
10:37:00	637	139	127	133	118	139	122	138	121	129
10:38:00	638	139	127	133	119	139	122	138	121	130
10:39:00	639	139	127	133	119	139	122	138	121	130
10:40:00	640	139	127	133	119	139	122	138	121	130
10:41:00	641	139	127	133	119	139	122	138	121	130
10:42:00	642	139	127	133	119	139	122	138	121	130
10:43:00	643	139	127	133	119	139	122	138	121	130
10:44:00	644	139	127	133	119	139	122	138	121	130
10:45:00	645	139	127	133	119	139	122	138	121	130
10:46:00	646	138	127	133	119	139	122	138	121	129
10:47:00	647	138	127	133	119	139	122	138	121	129
10:48:00	648	138	127	133	119	139	122	138	122	130
10:49:00	649	138	127	133	119	138	122	138	122	129
10:50:00	650	138	127	133	119	138	122	138	122	129
10:51:00	651	138	127	133	119	138	122	138	122	129
10:52:00	652	138	127	133	119	138	122	138	122	129
10:53:00	653	138	127	133	119	138	122	137	122	129
10:54:00	654	138	127	133	119	138	122	137	122	129
10:55:00	655	138	127	133	119	138	122	137	122	129
10:56:00	656	138	127	133	119	138	122	137	122	129
10:57:00	657	138	127	133	119	138	122	137	122	129
10:58:00	658	137	127	133	119	138	122	137	122	129
10:59:00	659	137	126	133	118	137	122	137	121	129
11:00:00	660	137	126	132	118	137	121	136	121	128
11:01:00	661	137	126	132	118	137	121	136	121	128
11:02:00	662	137	126	132	118	137	121	136	121	128
11:03:00	663	137	126	132	118	137	121	136	121	128

11:04:00	664	137	126	132	118	137	121	136	121	128
11:05:00	665	137	126	132	118	136	121	136	121	128
11:06:00	666	136	126	132	118	136	121	136	121	128
11:07:00	667	136	126	132	118	136	121	136	121	128
11:08:00	668	136	126	132	118	136	121	136	121	128
11:09:00	669	136	125	132	118	136	121	135	121	128
11:10:00	670	136	125	132	117	136	121	135	121	128
11:11:00	671	136	125	132	117	136	121	135	121	128
11:12:00	672	136	125	132	117	136	119	135	121	127
11:13:00	673	136	125	130	117	136	119	135	121	127
11:14:00	674	136	125	130	117	135	119	135	121	127
11:15:00	675	135	125	130	117	135	119	135	121	127
11:16:00	676	135	125	130	117	135	119	135	121	127
11:17:00	677	135	125	130	117	135	119	135	119	127
11:18:00	678	135	125	130	117	135	119	135	119	127
11:19:00	679	135	124	130	117	135	119	134	119	127
11:20:00	680	135	124	130	117	135	119	134	119	127
11:21:00	681	135	124	130	117	134	119	134	119	127
11:22:00	682	135	124	130	117	134	119	134	119	127
11:23:00	683	135	124	130	117	134	119	134	119	127
11:24:00	684	135	124	130	116	134	118	134	119	126
11:25:00	685	135	124	130	116	134	118	134	119	126
11:26:00	686	134	124	130	116	134	118	134	119	126
11:27:00	687	134	124	130	116	134	118	134	119	126
11:28:00	688	134	124	129	116	134	118	133	119	126
11:29:00	689	134	123	129	116	134	118	133	119	126
11:30:00	690	134	123	129	116	134	118	133	119	126
11:31:00	691	134	123	129	116	134	118	133	118	126
11:32:00	692	134	123	129	116	134	118	133	118	126
11:33:00	693	134	123	129	116	132	118	133	118	125
11:34:00	694	134	123	129	116	132	118	133	118	125
11:35:00	695	134	123	129	116	132	117	133	118	125
11:36:00	696	134	123	129	116	132	117	133	118	125
11:37:00	697	133	123	129	116	132	117	133	118	125
11:38:00	698	133	123	129	116	132	117	133	118	125
11:39:00	699	133	123	129	116	132	117	133	118	125
11:40:00	700	133	123	129	116	132	117	133	118	125
11:41:00	701	133	123	129	116	132	117	132	118	125
11:42:00	702	133	123	129	116	132	117	132	118	125
11:43:00	703	133	123	129	116	132	117	132	118	125
11:44:00	704	133	123	129	116	132	117	132	118	125
11:45:00	705	133	123	129	114	131	117	132	118	125
11:46:00	706	132	121	128	114	131	116	132	118	124
11:47:00	707	132	121	128	114	131	116	132	118	124
11:48:00	708	132	121	128	114	131	116	132	118	124
11:49:00	709	132	121	128	114	131	116	132	118	124
11:50:00	710	132	121	128	114	131	116	132	118	124
11:51:00	711	132	121	128	114	131	116	131	117	124
11:52:00	712	132	121	128	114	131	116	131	117	124
11:53:00	713	132	121	128	114	131	116	131	117	124
11:54:00	714	132	121	128	114	131	116	131	117	124
11:55:00	715	132	121	128	114	130	116	131	117	124
11:56:00	716	132	121	128	114	130	116	131	117	124
11:57:00	717	132	121	128	114	130	116	131	117	124
11:58:00	718	132	120	128	114	130	116	131	117	124
11:59:00	719	130	120	128	114	130	115	130	116	123
12:00:00	720	130	120	128	114	130	115	130	116	123

12:01:00	721	130	120	128	114	130	115	130	116	123
12:02:00	722	130	120	128	114	130	115	130	116	123
12:03:00	723	130	120	128	114	130	115	130	116	123
12:04:00	724	130	120	128	114	130	115	130	116	123
12:05:00	725	130	120	127	114	130	115	130	116	123
12:06:00	726	130	120	127	114	130	115	130	116	123
12:07:00	727	130	120	127	114	130	115	130	116	123
12:08:00	728	130	119	127	114	129	115	130	116	123
12:09:00	729	130	119	127	114	129	115	130	116	123
12:10:00	730	130	119	127	114	129	115	130	116	123
12:11:00	731	129	119	127	114	129	114	130	116	122
12:12:00	732	129	119	127	114	129	114	130	116	122
12:13:00	733	129	119	127	114	129	114	130	116	122
12:14:00	734	129	119	127	114	129	114	129	116	122
12:15:00	735	129	119	127	114	129	114	129	116	122
12:16:00	736	129	119	126	113	129	114	129	115	122
12:17:00	737	129	119	126	113	129	114	129	115	122
12:18:00	738	129	119	126	113	129	114	129	115	122
12:19:00	739	129	119	126	113	128	114	129	115	122
12:20:00	740	129	119	126	113	128	114	129	115	122
12:21:00	741	129	119	126	113	128	114	129	115	122
12:22:00	742	129	118	126	113	128	114	129	115	122
12:23:00	743	128	118	126	113	128	114	129	115	121
12:24:00	744	128	118	126	113	128	114	129	115	121
12:25:00	745	128	118	126	113	128	114	129	115	121
12:26:00	746	128	118	126	113	128	114	128	115	121
12:27:00	747	128	118	126	113	128	114	128	114	121
12:28:00	748	128	118	126	113	128	114	128	114	121
12:29:00	749	128	118	126	113	127	114	128	114	121
12:30:00	750	128	118	126	112	127	114	128	114	121
12:31:00	751	128	118	126	112	127	114	128	114	121
12:32:00	752	128	118	125	112	127	114	128	114	121
12:33:00	753	128	118	125	112	127	114	128	114	121
12:34:00	754	128	118	125	112	127	114	128	114	121
12:35:00	755	128	118	125	112	127	114	128	114	121
12:36:00	756	127	117	125	112	127	114	127	114	120
12:37:00	757	127	117	125	112	127	114	127	114	120
12:38:00	758	127	117	125	112	126	114	127	114	120
12:39:00	759	127	117	125	112	126	114	127	114	120
12:40:00	760	127	117	125	112	126	114	127	114	120
12:41:00	761	127	117	125	112	126	114	127	114	120
12:42:00	762	127	117	125	112	126	114	127	114	120
12:43:00	763	127	117	125	112	126	114	127	114	120
12:44:00	764	127	117	125	112	126	113	127	113	120
12:45:00	765	127	117	125	111	126	113	127	113	120
12:46:00	766	127	117	125	111	126	113	127	113	120
12:47:00	767	127	117	125	111	126	113	127	113	120
12:48:00	768	127	117	125	111	126	113	127	113	120
12:49:00	769	127	117	124	111	126	113	125	113	120
12:50:00	770	127	117	124	111	126	113	125	113	120
12:51:00	771	127	117	124	111	125	113	125	113	119
12:52:00	772	126	117	124	111	125	113	125	113	119
12:53:00	773	126	116	124	111	125	113	125	113	119
12:54:00	774	126	116	124	111	125	113	125	113	119
12:55:00	775	126	116	124	111	125	113	125	113	119
12:56:00	776	126	116	124	111	125	113	125	113	119
12:57:00	777	126	116	124	111	125	112	125	113	119

12:58:00	778	126	116	124	111	125	112	125	113	119
12:59:00	779	126	116	124	111	125	112	125	112	119
13:00:00	780	125	116	124	111	125	112	124	112	119
13:01:00	781	125	116	124	111	125	112	124	112	119
13:02:00	782	125	116	123	111	125	112	124	112	118
13:03:00	783	125	115	123	111	124	112	124	112	118
13:04:00	784	125	115	123	111	124	112	124	112	118
13:05:00	785	125	115	123	111	124	112	124	112	118
13:06:00	786	125	115	123	111	124	112	124	112	118
13:07:00	787	125	115	123	111	124	112	124	112	118
13:08:00	788	125	115	123	111	124	111	123	112	118
13:09:00	789	124	115	123	110	124	111	123	112	118
13:10:00	790	124	115	123	110	124	111	123	112	118
13:11:00	791	124	115	123	110	124	111	123	112	118
13:12:00	792	124	115	123	110	124	111	123	112	118
13:13:00	793	124	115	123	110	124	111	123	112	118
13:14:00	794	124	115	123	110	124	111	123	111	118
13:15:00	795	124	115	123	110	124	111	123	111	118
13:16:00	796	124	115	123	110	123	111	123	111	117
13:17:00	797	124	115	122	110	123	111	123	111	117
13:18:00	798	124	115	122	110	123	111	123	111	117
13:19:00	799	124	114	122	110	123	111	123	111	117
13:20:00	800	124	114	122	110	123	111	123	111	117
13:21:00	801	124	114	122	110	123	111	123	111	117
13:22:00	802	124	114	122	110	123	111	122	111	117
13:23:00	803	124	114	122	110	123	111	122	111	117
13:24:00	804	124	114	122	110	123	111	122	111	117
13:25:00	805	124	114	122	110	123	111	122	111	117
13:26:00	806	124	114	122	110	122	111	122	111	117
13:27:00	807	124	114	122	110	122	111	122	111	117
13:28:00	808	123	114	122	109	122	111	122	111	117
13:29:00	809	123	114	122	109	122	111	122	110	116
13:30:00	810	123	114	122	109	122	111	122	110	116
13:31:00	811	123	114	122	109	122	111	122	110	116
13:32:00	812	123	114	122	109	122	111	122	110	116
13:33:00	813	123	113	122	109	122	111	122	110	116
13:34:00	814	123	113	122	109	122	111	122	110	116
13:35:00	815	123	113	122	109	122	111	122	110	116
13:36:00	816	123	113	122	109	122	110	122	110	116
13:37:00	817	123	113	122	109	122	110	122	110	116
13:38:00	818	123	113	121	109	122	110	122	110	116
13:39:00	819	123	113	121	109	122	110	122	110	116
13:40:00	820	123	113	121	109	122	110	121	110	116
13:41:00	821	123	113	121	109	122	110	121	110	116
13:42:00	822	123	113	121	109	122	110	121	110	116
13:43:00	823	122	113	121	109	121	110	121	110	116
13:48:00	828	122	113	121	108	121	110	121	109	115
13:53:00	833	121	112	120	108	121	109	120	109	115
13:58:00	838	121	112	120	108	121	107	120	109	115
14:03:00	843	119	112	119	108	119	106	119	108	114
14:08:00	848	119	112	119	108	119	106	119	108	114
14:13:00	853	118	111	119	107	118	105	118	107	113
14:18:00	858	118	111	118	107	118	104	118	107	113
14:23:00	863	118	110	118	107	118	104	118	107	112
14:28:00	868	118	110	118	106	117	104	117	107	112
14:33:00	873	117	110	118	106	117	104	117	105	112
14:38:00	878	117	109	116	106	116	105	117	105	111

14:43:00	883	117	109	116	105	116	105	116	105	111
14:48:00	888	117	109	116	105	116	105	116	105	111
14:53:00	893	116	107	116	105	116	105	116	105	111
14:58:00	898	116	107	115	104	115	105	116	104	110
15:03:00	903	116	107	115	104	115	105	115	104	110
15:08:00	908	115	107	115	104	115	105	115	104	110
15:13:00	913	115	106	114	104	114	104	115	104	110
15:18:00	918	115	106	114	104	114	104	114	103	109
15:23:00	923	114	106	114	103	113	104	114	103	109
15:28:00	928	114	105	113	103	113	104	114	103	109
15:33:00	933	114	105	113	103	113	104	114	103	109
15:38:00	938	114	105	113	103	113	104	112	102	108
15:43:00	943	113	105	113	103	112	103	112	102	108
15:48:00	948	113	104	112	101	112	103	111	102	107
15:53:00	953	112	104	112	101	111	103	111	102	107
15:58:00	958	112	103	111	101	111	102	110	101	106
16:03:00	963	112	103	111	101	111	102	110	101	106
16:08:00	968	111	103	110	100	109	102	109	101	106
16:13:00	973	111	102	110	100	109	101	109	100	105
16:18:00	978	111	102	110	100	109	101	108	100	105
16:23:00	983	110	102	109	100	108	100	108	100	105
16:28:00	988	110	101	109	100	108	100	107	99	104
16:33:00	993	109	101	109	100	108	100	107	99	104
16:38:00	998	109	101	108	99	107	100	107	99	104
16:43:00	1003	109	101	108	99	107	99	107	98	103
16:48:00	1008	108	100	108	99	107	99	106	98	103
16:53:00	1013	108	100	107	99	106	99	106	98	103
16:58:00	1018	108	100	107	98	106	99	105	98	102
17:03:00	1023	108	100	107	98	106	99	105	98	102
17:08:00	1028	108	100	107	98	106	99	105	97	102
17:13:00	1033	107	100	107	98	106	99	105	97	102
17:18:00	1038	107	100	107	98	105	99	105	97	102
17:23:00	1043	107	99	107	98	105	99	105	97	102
17:28:00	1048	107	99	107	98	105	99	105	97	102
17:33:00	1053	107	99	107	98	105	98	105	97	102
17:38:00	1058	107	99	107	98	105	98	105	97	102
17:43:00	1063	107	99	107	97	105	98	105	97	102
17:48:00	1068	107	99	106	97	105	98	105	97	102
17:53:00	1073	107	99	106	97	105	98	105	96	101
17:58:00	1078	105	99	106	97	105	98	105	96	101
18:03:00	1083	105	99	106	97	104	98	105	96	101
18:08:00	1088	105	99	106	97	104	98	105	96	101
18:13:00	1093	105	98	106	97	104	97	104	96	101
18:18:00	1098	105	98	106	97	104	97	104	96	101
18:23:00	1103	105	98	106	97	104	97	104	96	101
18:28:00	1108	105	98	105	96	104	97	104	96	100
18:33:00	1113	104	98	105	96	103	97	104	96	100
18:38:00	1118	104	98	105	96	103	96	104	96	100
18:43:00	1123	104	96	103	96	103	96	103	95	99
18:48:00	1128	103	96	103	96	102	94	103	95	99
18:53:00	1133	103	96	103	95	102	94	103	95	99
18:58:00	1138	103	96	103	95	102	94	102	94	99
19:03:00	1143	103	96	103	95	102	94	102	94	99
19:08:00	1148	103	96	103	95	102	94	102	94	99
19:13:00	1153	103	96	103	95	102	94	102	94	99
19:18:00	1158	102	95	102	95	101	94	102	94	98
19:23:00	1163	102	95	102	95	101	94	102	94	98

19:28:00	1168	102	95	102	95	101	94	102	94	98
19:33:00	1173	102	95	102	95	101	94	102	94	98
19:38:00	1178	102	95	101	94	101	94	101	94	98
19:43:00	1183	102	95	101	94	101	94	101	94	98
19:48:00	1188	101	94	101	94	100	94	101	92	97
19:53:00	1193	101	94	101	94	100	93	101	92	97
19:58:00	1198	101	94	101	94	100	93	100	92	97
20:03:00	1203	101	94	100	94	100	93	100	92	97
20:08:00	1208	101	94	100	94	100	93	100	92	97
20:13:00	1213	101	94	100	94	100	93	100	92	97
20:18:00	1218	100	94	100	93	100	93	100	92	97
20:23:00	1223	100	94	100	93	100	92	100	92	96
20:28:00	1228	100	93	100	93	99	92	100	92	96
20:33:00	1233	100	93	99	93	99	92	98	91	96
20:38:00	1238	100	93	99	93	99	92	98	91	96
20:43:00	1243	99	93	99	93	99	92	98	91	96
20:48:00	1248	99	93	99	92	98	92	97	91	95
20:53:00	1253	99	93	99	92	98	92	97	91	95
20:58:00	1258	99	92	99	92	98	92	97	91	95
21:03:00	1263	99	92	99	92	98	91	97	90	95
21:08:00	1268	99	92	99	92	98	91	97	90	95
21:13:00	1273	98	92	98	92	98	91	97	90	95
21:18:00	1278	98	92	98	92	98	91	97	90	95
21:23:00	1283	98	92	98	92	98	91	97	90	95
21:28:00	1288	98	91	97	91	96	91	96	90	94
21:33:00	1293	98	91	97	91	96	91	96	89	94
21:38:00	1298	97	91	97	91	96	91	96	89	94
21:43:00	1303	97	91	97	91	96	90	96	89	93
21:48:00	1308	97	91	97	91	96	90	96	89	93
21:53:00	1313	97	91	96	91	96	90	95	89	93
21:58:00	1318	97	91	96	91	95	90	95	89	93
22:03:00	1323	97	91	96	91	95	90	95	89	93
22:08:00	1328	97	90	96	91	95	90	95	89	93
22:13:00	1333	96	90	96	91	95	90	95	89	93
22:18:00	1338	96	90	96	89	95	90	95	89	93
22:23:00	1343	96	90	96	89	95	90	95	89	93
22:28:00	1348	96	90	96	89	95	90	95	89	93
22:33:00	1353	96	90	96	89	95	90	95	89	93
22:38:00	1358	96	90	96	89	95	90	94	88	92
22:43:00	1363	96	90	96	89	95	90	94	88	92
22:48:00	1368	96	90	96	89	94	90	94	88	92
22:53:00	1373	96	90	96	89	94	90	94	88	92
22:58:00	1378	96	90	96	89	94	90	94	88	92
23:03:00	1383	96	90	96	89	94	89	94	88	92
23:08:00	1388	96	90	96	89	94	89	94	88	92
23:13:00	1393	96	90	96	89	94	89	94	88	92
23:18:00	1398	96	90	96	89	94	89	94	88	92
23:23:00	1403	96	90	96	89	94	89	94	88	92
23:28:00	1408	96	90	96	89	94	89	94	88	92
23:33:00	1413	96	90	96	89	94	89	94	88	92
23:38:00	1418	96	90	96	89	94	89	94	88	92
23:43:00	1423	95	90	96	89	94	89	94	88	92
23:48:00	1428	95	90	95	89	94	89	94	88	92
23:53:00	1433	95	90	95	89	94	89	94	88	92
23:58:00	1438	95	90	95	89	94	89	94	88	92
0:03:00	1443	95	90	95	89	94	89	94	88	92
0:08:00	1448	95	90	95	89	94	89	94	88	92

0:13:00	1453	95	90	95	89	94	89	94	88	92
0:18:00	1458	95	90	95	89	94	89	94	88	92
0:23:00	1463	95	90	95	89	94	89	94	88	92
0:28:00	1468	95	90	95	89	94	89	93	88	92
0:33:00	1473	95	90	95	89	94	89	93	88	92
0:38:00	1478	95	90	95	89	94	89	93	88	92
0:43:00	1483	95	90	94	89	93	89	93	88	91
0:48:00	1488	94	90	94	89	93	89	92	88	91
0:53:00	1493	94	89	94	89	93	89	92	87	91
0:58:00	1498	94	89	94	89	93	89	92	87	91
1:03:00	1503	94	89	94	89	93	89	92	87	91
1:08:00	1508	94	89	94	88	93	88	92	87	91
1:13:00	1513	94	89	94	88	93	88	92	87	91
1:18:00	1518	92	89	93	88	92	88	92	87	90
1:23:00	1523	92	89	93	88	92	88	92	87	90
1:28:00	1528	92	89	93	88	92	88	92	87	90
1:33:00	1533	92	89	93	88	92	88	91	87	90
1:38:00	1538	92	89	93	88	92	88	91	87	90
1:43:00	1543	92	88	92	88	92	88	91	87	90
1:48:00	1548	92	88	92	88	92	88	91	87	90
1:53:00	1553	92	88	92	88	91	88	91	86	90
1:58:00	1558	92	88	92	88	91	88	91	86	90
2:03:00	1563	92	88	92	88	91	88	91	86	90
2:08:00	1568	92	88	92	88	91	88	91	86	90
2:13:00	1573	92	88	92	88	91	88	91	86	90
2:18:00	1578	92	88	92	88	91	88	91	86	90
2:23:00	1583	92	88	92	88	91	87	91	86	89
2:28:00	1588	91	88	92	88	91	87	91	86	89
2:33:00	1593	91	88	92	88	91	87	91	86	89
2:38:00	1598	91	88	92	88	91	87	91	86	89
2:43:00	1603	91	88	92	88	91	87	90	86	89
2:48:00	1608	91	88	92	87	91	87	90	86	89
2:53:00	1613	91	88	92	87	91	87	90	86	89
2:58:00	1618	91	88	92	87	91	87	90	86	89
3:03:00	1623	91	88	92	87	91	87	90	86	89
3:08:00	1628	91	87	92	87	91	87	90	86	89
3:13:00	1633	91	87	92	87	91	87	90	86	89
3:18:00	1638	91	87	91	87	90	87	90	86	89
3:23:00	1643	91	87	91	87	90	87	90	86	89
3:28:00	1648	91	87	91	87	90	87	90	86	89
3:33:00	1653	91	87	91	87	90	87	90	86	89
3:38:00	1658	90	87	91	87	90	87	90	85	88
3:43:00	1663	90	87	91	86	90	87	90	85	88
3:48:00	1668	90	87	91	86	90	87	89	85	88
3:53:00	1673	90	87	91	86	90	87	89	85	88
3:58:00	1678	90	87	91	86	90	86	89	85	88
4:03:00	1683	90	87	89	86	90	86	89	85	88
4:08:00	1688	90	86	89	86	89	86	89	85	87
4:13:00	1693	90	86	89	86	89	86	89	85	87
4:18:00	1698	90	86	89	86	89	86	89	85	87
4:23:00	1703	89	86	89	86	89	86	89	85	87
4:28:00	1708	89	86	89	86	89	86	89	85	87
4:33:00	1713	89	86	89	86	89	86	89	85	87
4:38:00	1718	89	86	89	86	89	86	88	85	87
4:43:00	1723	89	86	89	86	89	86	88	85	87
4:48:00	1728	89	86	88	86	89	86	88	85	87
4:53:00	1733	89	86	88	86	88	85	88	85	87

4:58:00	1738	89	86	88	86	88	85	88	85	87
5:03:00	1743	89	86	88	85	88	85	88	85	87
5:08:00	1748	89	86	88	85	88	85	88	84	87
5:13:00	1753	89	86	88	85	88	85	88	84	87
5:18:00	1758	88	86	88	85	88	85	88	84	86
5:23:00	1763	88	86	88	85	88	85	88	84	86
5:28:00	1768	88	85	88	85	88	85	87	84	86
5:33:00	1773	88	85	88	85	88	85	87	84	86
5:38:00	1778	88	85	88	85	88	85	87	84	86
5:43:00	1783	88	85	88	85	88	85	87	84	86
5:48:00	1788	88	85	87	85	88	85	87	84	86
5:53:00	1793	88	85	87	85	88	85	87	84	86
5:58:00	1798	88	85	87	85	88	85	87	84	86
6:03:00	1803	88	85	87	85	88	85	87	84	86
6:08:00	1808	88	85	87	85	88	85	87	84	86
6:13:00	1813	88	85	87	85	88	85	87	84	86
6:18:00	1818	88	85	87	85	87	85	87	84	86
6:23:00	1823	88	85	87	85	87	85	87	84	86
6:28:00	1828	88	85	87	85	87	85	87	84	86
6:33:00	1833	87	85	87	85	87	85	87	84	86
6:38:00	1838	87	85	87	85	87	85	87	84	86
6:43:00	1843	87	85	87	85	87	85	87	84	86
6:48:00	1848	87	85	87	84	87	85	87	83	85
6:53:00	1853	87	85	87	84	87	85	87	83	85
6:58:00	1858	87	85	87	84	87	84	87	83	85
7:03:00	1863	87	85	87	84	87	84	87	83	85
7:08:00	1868	87	85	87	84	87	84	87	83	85
7:13:00	1873	87	85	87	84	87	84	87	83	85
7:18:00	1878	87	85	87	84	87	84	87	83	85
7:23:00	1883	87	83	86	84	87	84	85	83	85
7:28:00	1888	87	83	86	84	87	84	85	83	85
7:33:00	1893	87	83	86	84	87	84	85	83	85
7:38:00	1898	87	83	86	84	87	84	85	83	85
7:43:00	1903	87	83	86	84	87	84	85	83	85
7:48:00	1908	87	83	86	84	87	84	85	83	85
7:53:00	1913	87	83	86	84	87	84	85	83	85
7:58:00	1918	87	83	86	84	87	84	85	83	85
8:03:00	1923	87	83	86	84	87	84	85	83	85
8:08:00	1928	86	83	86	84	87	84	85	83	85
8:13:00	1933	86	83	86	84	87	84	85	83	85
8:18:00	1938	86	83	86	84	87	84	85	83	85
8:23:00	1943	86	83	86	84	86	84	85	83	85
8:28:00	1948	86	83	86	83	86	84	85	82	84
8:33:00	1953	86	83	86	83	86	84	85	82	84
8:38:00	1958	86	82	86	83	86	82	85	82	84
8:43:00	1963	86	82	86	83	86	82	85	82	84
8:48:00	1968	86	82	86	83	86	82	85	82	84
8:53:00	1973	86	82	86	83	86	82	85	82	84
8:58:00	1978	86	82	86	83	86	82	84	82	84
9:03:00	1983	86	82	86	83	86	82	84	82	84
9:08:00	1988	85	82	85	83	86	82	84	82	84
9:13:00	1993	85	82	85	83	86	82	84	82	84
9:18:00	1998	85	82	85	83	86	82	84	82	84
9:23:00	2003	85	82	85	83	86	82	84	82	84
9:28:00	2008	85	82	85	83	85	82	84	82	84
9:33:00	2013	85	82	85	83	85	82	84	82	84
9:38:00	2018	85	82	85	82	85	82	84	82	83

9:43:00	2023	85	81	84	82	85	82	84	82	83
9:48:00	2028	85	81	84	82	85	82	83	82	83
9:53:00	2033	85	81	84	82	85	82	83	82	83
9:58:00	2038	85	81	84	82	85	82	83	82	83
10:03:00	2043	85	81	84	82	85	82	83	81	83
10:08:00	2048	85	81	84	82	85	81	83	81	83
10:13:00	2053	85	81	84	82	85	81	83	81	83
10:18:00	2058	85	81	84	82	85	81	83	81	83
10:23:00	2063	85	81	84	82	85	81	83	81	83
10:28:00	2068	84	81	84	82	83	81	83	81	82
10:33:00	2073	84	81	84	82	83	81	83	81	82
10:38:00	2078	84	81	84	82	83	81	83	81	82
10:43:00	2083	84	81	84	82	83	81	83	81	82
10:48:00	2088	84	81	84	82	83	81	83	81	82
10:53:00	2093	84	81	84	82	83	81	83	81	82
10:58:00	2098	84	81	84	81	83	81	82	81	82
11:03:00	2103	84	81	84	81	83	81	82	81	82
11:08:00	2108	84	81	83	81	83	81	82	81	82
11:13:00	2113	84	81	83	81	83	81	82	81	82
11:18:00	2118	84	80	83	81	83	81	82	81	82
11:23:00	2123	84	80	83	81	82	81	82	80	82
11:28:00	2128	84	80	83	81	82	81	82	80	82
11:33:00	2133	83	80	83	81	82	81	82	80	82
11:38:00	2138	83	80	83	81	82	81	82	80	82
11:43:00	2143	83	80	83	81	82	81	82	80	82
11:48:00	2148	83	80	83	81	82	81	82	80	82
11:53:00	2153	83	80	83	81	82	81	82	80	82
11:58:00	2158	83	80	83	81	82	80	82	80	81
12:03:00	2163	83	80	83	81	82	80	82	80	81
12:08:00	2168	83	80	83	81	82	80	82	80	81
12:13:00	2173	83	80	82	81	82	80	82	80	81
12:18:00	2178	83	80	82	81	82	80	82	80	81
12:23:00	2183	83	80	82	81	82	80	81	80	81
12:28:00	2188	83	80	82	81	82	80	81	80	81
12:33:00	2193	82	80	82	81	82	80	81	80	81
12:38:00	2198	82	79	82	80	82	80	81	80	81
12:43:00	2203	82	79	82	80	81	80	81	80	81
12:48:00	2208	82	79	82	80	81	80	81	78	80
12:53:00	2213	82	79	82	80	81	80	81	78	80
12:58:00	2218	82	79	82	80	81	80	81	78	80
13:03:00	2223	82	79	82	80	81	80	81	78	80
13:08:00	2228	82	79	82	80	81	80	81	78	80
13:13:00	2233	82	79	82	80	81	79	81	78	80
13:18:00	2238	82	79	82	80	81	79	81	78	80
13:23:00	2243	82	79	81	80	81	79	81	78	80
13:28:00	2248	82	79	81	80	81	79	80	78	80
13:33:00	2253	82	79	81	80	81	79	80	78	80
13:38:00	2258	82	79	81	80	81	79	80	78	80
13:43:00	2263	82	79	81	80	81	79	80	78	80
13:48:00	2268	82	79	81	80	81	79	80	78	80
13:53:00	2273	82	79	81	80	81	79	80	78	80
13:58:00	2278	82	79	81	80	81	79	80	78	80
14:03:00	2283	82	79	81	80	81	79	80	78	80
14:08:00	2288	82	79	81	80	81	79	80	78	80
14:13:00	2293	82	78	81	80	81	79	80	78	80
14:18:00	2298	81	78	81	80	81	79	80	78	80
14:23:00	2303	81	78	81	80	81	79	80	78	80

14:28:00	2308	81	78	81	79	81	79	80	78	80
14:33:00	2313	81	78	81	79	81	79	80	78	80
14:38:00	2318	81	78	81	79	81	79	80	78	80
14:43:00	2323	81	78	81	79	80	78	80	78	79
14:48:00	2328	81	78	81	79	80	78	80	78	79
14:53:00	2333	81	78	81	79	80	78	80	78	79
14:58:00	2338	81	78	81	79	80	78	80	78	79
15:03:00	2343	81	78	81	79	80	78	80	78	79
15:08:00	2348	81	78	81	79	80	78	80	78	79
15:13:00	2353	81	78	80	79	80	78	80	78	79
15:18:00	2358	81	78	80	79	80	78	80	77	79
15:23:00	2363	81	78	80	79	80	78	80	77	79
15:28:00	2368	81	78	80	79	80	78	80	77	79
15:33:00	2373	81	78	80	79	80	78	79	77	79
15:38:00	2378	81	78	80	79	80	78	79	77	79
15:43:00	2383	81	78	80	79	80	78	79	77	79
15:48:00	2388	81	78	80	79	80	78	79	77	79
15:53:00	2393	81	78	80	79	80	78	79	77	79
15:58:00	2398	81	78	80	79	80	78	79	77	79
16:03:00	2403	81	78	80	79	80	78	79	77	79
16:08:00	2408	81	78	80	79	80	78	79	77	79
16:13:00	2413	80	78	80	78	80	78	79	77	79
16:18:00	2418	80	78	80	78	80	78	79	77	79
16:23:00	2423	80	78	80	78	79	78	79	77	79
16:28:00	2428	80	78	80	78	79	78	79	77	79
16:33:00	2433	80	78	80	78	79	78	79	77	79
16:38:00	2438	80	78	80	78	79	78	79	77	79
16:43:00	2443	80	78	80	78	79	78	79	77	79
16:48:00	2448	80	77	80	78	79	78	79	77	78
16:53:00	2453	80	77	80	78	79	78	79	77	78
16:58:00	2458	80	77	80	78	79	78	79	77	78
17:03:00	2463	80	77	80	78	79	77	79	77	78
17:08:00	2468	80	77	80	78	79	77	79	77	78
17:13:00	2473	80	77	80	78	79	77	79	77	78
17:18:00	2478	80	77	80	78	79	77	78	76	78
17:23:00	2483	80	77	79	78	79	77	78	76	78
17:28:00	2488	80	77	79	78	79	77	78	76	78
17:33:00	2493	80	77	79	78	78	77	78	76	78
17:38:00	2498	80	77	79	78	78	77	78	76	78

7.2 Steel Thermocouple Temperature Data

Time Min	TC #1 Deg. F	TC #2 Deg. F	TC #3 Deg. F	TC #4 Deg. F	TC #6 Deg. F	TC #7 Deg. F	TC #8 Deg. F	TC #9 Deg. F	TC #10 Deg. F	TC #11 Deg. F	TC #12 Deg. F	TC #13 Deg. F	TC #14 Deg. F	TC #15 Deg. F	TC #16 Deg. F	TC #17 Deg. F	AVERAGE Deg. F
0	71.4	70.3	71.6	68.9	69.6	69.1	70.2	68.9	67.6	69.3	67.6	66.4	66.7	65.5	66.7	70.6	68.8
1	85.3	80.4	85.8	74.8	82.2	77.0	82.9	81.3	75.4	81.0	77.4	72.1	77.5	69.6	73.4	81.6	78.8
2	137.5	124.2	137.5	102.4	141.8	118.6	133.3	134.2	115.9	131.9	127.6	113.2	125.2	87.4	96.8	125.4	122.0
3	180.1	165.7	175.8	131.0	187.5	160.0	173.3	181.4	158.9	169.0	165.7	152.4	174.2	113.0	127.0	163.2	160.6
4	226.9	204.3	214.7	154.2	230.7	197.8	214.0	227.3	195.6	201.7	201.2	185.7	212.2	138.7	156.2	200.0	196.7
5	259.7	235.9	241.9	177.4	266.7	229.1	244.9	263.3	225.7	229.3	232.2	213.6	238.8	157.5	183.4	228.7	225.6
6	302.5	274.8	278.1	208.2	305.6	265.1	289.2	310.1	263.8	266.5	270.7	246.6	283.5	183.4	213.4	265.9	262.5
7	337.6	307.2	309.4	235.6	342.0	298.6	326.8	346.6	297.7	297.7	303.6	277.9	319.3	208.4	242.8	297.5	294.9
8	365.0	335.7	334.8	260.2	371.3	327.6	355.1	378.0	326.5	322.0	330.4	304.3	349.9	231.8	271.2	323.9	322.2
9	399.2	366.8	366.4	290.5	401.4	357.4	392.9	410.7	356.9	356.7	361.4	332.1	377.8	255.7	300.6	355.7	394.4
10	433.8	396.1	394.5	319.1	433.0	385.9	431.8	445.3	387.0	388.8	393.4	358.9	414.5	280.9	328.8	385.9	383.6
11	467.4	425.7	430.7	346.5	468.7	418.6	460.4	485.4	417.6	421.2	423.9	387.0	446.0	310.3	362.1	417.6	415.6
12	500.4	459.5	465.3	375.6	511.7	452.5	496.4	518.0	451.0	456.3	453.4	414.0	474.6	336.6	395.1	450.2	448.5
13	531.5	491.2	501.4	405.5	550.2	485.2	528.6	549.9	482.0	494.4	487.9	442.6	500.7	361.9	427.5	482.4	480.7
14	568.4	526.5	542.5	437.9	599.5	521.8	562.6	586.4	516.9	533.7	524.8	473.0	537.3	390.0	462.4	518.8	517.1
15	606.4	561.0	582.1	468.5	640.2	557.1	594.5	623.7	550.6	570.7	560.8	503.2	565.7	419.0	497.5	554.5	551.8
16	645.3	596.3	627.1	502.5	693.9	596.1	625.1	660.9	583.9	625.6	601.5	534.0	592.9	445.8	536.2	592.8	589.5
17	687.7	638.4	680.5	541.2	742.1	636.6	669.4	710.8	630.3	678.0	643.1	574.2	680.5	486.1	573.4	637.0	635.5
18	725.9	678.9	732.4	578.1	790.5	678.9	716.0	761.0	677.5	729.1	682.5	618.3	772.5	528.1	611.1	678.8	681.5
19	770.4	722.1	781.2	614.3	839.7	721.6	765.0	811.8	725.9	783.0	722.1	663.8	849.9	572.5	648.7	722.0	727.8
20	827.4	774.0	830.8	652.8	887.9	772.5	837.9	872.8	783.7	838.0	765.5	714.6	939.7	621.5	688.8	771.3	780.8
21	869.4	817.5	879.1	686.1	932.9	821.5	885.9	924.1	833.7	889.2	806.7	762.3	1006.2	663.1	726.4	813.0	826.3
22	894.2	853.2	923.2	717.6	977.7	867.4	907.0	950.4	870.6	939.6	851.0	808.5	1022.0	701.2	766.0	847.0	862.8
23	927.1	889.0	966.0	749.8	1022.7	903.6	934.5	986.5	908.6	982.9	896.2	844.5	1046.8	735.3	803.1	883.0	899.4
24	964.8	931.5	1010.3	787.5	1072.8	946.4	966.9	1024.3	950.4	1031.4	947.5	887.5	1074.6	772.7	846.0	923.5	940.8
25	1007.8	974.5	1045.8	824.9	1108.4	986.9	1014.8	1082.7	1001.7	1068.6	991.8	931.6	1138.6	817.5	887.4	963.2	984.7
26	1046.1	1012.1	1077.6	862.2	1142.2	1027.2	1054.6	1131.3	1046.5	1105.3	1036.9	979.3	1186.9	860.7	929.7	999.5	1025.4
27	1081.0	1045.9	1104.1	898.7	1170.7	1063.9	1086.8	1167.3	1084.5	1135.9	1083.0	1025.8	1210.8	904.8	972.0	1032.4	1061.2
28	1125.3	1083.7	1125.5	934.5	1197.3	1098.3	1127.3	1206.1	1121.9	1164.6	1119.9	1066.6	1238.0	945.9	1010.3	1067.3	1096.5
29	1174.1	1123.0	1148.0	969.6	1218.7	1131.1	1175.0	1241.8	1156.1	1187.6	1150.0	1100.5	1258.0	982.6	1044.5	1103.7	1129.8
30	1209.7	1156.3	1170.9	1006.5	1243.2	1165.8	1212.3	1278.3	1191.0	1213.5	1184.0	1136.8	1287.3	1020.0	1080.1	1135.9	1162.7
31	1245.0	1190.3	1195.3	1041.6	1267.7	1199.7	1250.6	1311.3	1224.0	1239.3	1214.8	1171.6	1315.6	1056.4	1114.3	1168.1	1194.6
32	1267.2	1215.7	1219.1	1075.8	1288.0	1229.5	1278.0	1334.3	1253.1	1263.2	1243.2	1204.0	1339.5	1090.6	1144.9	1194.4	1221.8
33	1289.3	1241.2	1243.4	1108.0	1312.3	1259.2	1306.6	1358.1	1281.9	1290.7	1271.1	1234.6	1363.6	1124.8	1176.1	1220.5	1249.4
34	1308.6	1264.1	1267.2	1135.8	1330.3	1284.6	1327.8	1375.9	1306.0	1313.4	1295.8	1262.8	1384.0	1155.0	1203.8	1243.9	1273.1
35	1314.5	1278.7	1289.5	1160.4	1346.9	1305.1	1331.4	1387.0	1324.6	1336.5	1319.7	1287.1	1404.5	1182.2	1229.5	1260.8	1292.9
36	1328.0	1296.7	1309.6	1184.2	1366.0	1323.7	1343.7	1404.3	1342.2	1356.1	1342.4	1310.5	1423.6	1209.6	1253.8	1279.6	1314.3
37	1338.8	1312.2	1328.0	1206.3	1382.2	1337.4	1354.1	1418.0	1357.5	1373.9	1360.2	1329.3	1443.4	1234.6	1276.3	1296.3	1332.5
38	1353.2	1328.9	1344.6	1229.2	1400.5	1353.7	1370.1	1437.1	1376.1	1393.3	1383.4	1348.5	1464.4	1259.8	1298.8	1314.0	1352.5
39	1366.5	1341.7	1359.5	1249.3	1416.6	1368.7	1383.8	1452.7	1391.9	1408.8	1399.8	1365.8	1482.6	1282.5	1317.9	1329.3	1369.5
40	1385.1	1359.5	1372.6	1269.1	1430.2	1383.1	1407.9	1473.6	1412.1	1425.6	1416.9	1381.5	1499.9	1303.7	1333.0	1346.6	1387.1

41	1402.0	1375.5	1387.0	1288.4	1445.0	1400.4	1429.7	1492.5	1431.7	1440.1	1435.6	1399.5	1512.5	1322.8	1347.6	1363.2	1403.2
42	1419.3	1391.0	1401.6	1306.9	1460.8	1419.4	1450.4	1511.4	1453.3	1457.1	1454.5	1419.4	1532.3	1340.1	1363.8	1379.7	1421.5
43	1435.6	1407.6	1416.7	1323.7	1476.5	1439.4	1469.1	1527.3	1472.4	1473.6	1472.7	1441.2	1547.1	1357.0	1380.0	1395.9	1438.6
44	1453.3	1427.0	1433.5	1340.1	1492.7	1459.4	1490.2	1546.0	1493.4	1489.3	1492.7	1461.4	1566.0	1374.6	1396.6	1413.5	1457.7
45	1466.6	1444.1	1448.6	1354.8	1504.6	1478.1	1506.4	1558.2	1512.0	1504.9	1508.4	1481.2	1583.1	1392.1	1415.1	1428.5	1474.0
46	1477.8	1459.2	1462.1	1367.1	1517.4	1494.0	1520.4	1568.5	1525.3	1519.5	1520.1	1499.0	1593.0	1408.8	1434.2	1441.5	1488.0
47	1489.3	1474.0	1473.6	1379.1	1525.6	1508.4	1533.6	1577.3	1538.6	1530.5	1531.8	1512.1	1604.1	1427.4	1451.1	1454.0	1501.0
48	1500.4	1488.2	1485.5	1392.1	1536.8	1521.0	1546.9	1587.4	1552.3	1541.1	1542.7	1525.3	1619.2	1446.8	1467.1	1466.7	1514.5
49	1512.5	1502.8	1498.5	1405.6	1549.2	1535.7	1559.8	1601.4	1565.1	1553.9	1554.8	1540.9	1632.7	1466.2	1483.9	1479.8	1529.4
50	1522.2	1514.7	1510.0	1420.3	1557.0	1547.1	1570.6	1609.7	1574.8	1564.3	1564.9	1552.6	1644.6	1483.2	1499.2	1491.8	1540.8
51	1532.5	1526.4	1519.5	1435.1	1566.0	1557.5	1581.6	1621.4	1585.8	1573.9	1574.6	1564.2	1655.2	1499.2	1512.5	1503.4	1552.3
52	1541.5	1537.3	1531.6	1449.9	1575.1	1568.3	1593.1	1631.5	1597.5	1583.2	1584.9	1575.0	1670.5	1514.8	1525.3	1514.3	1564.6
53	1551.2	1548.0	1541.7	1464.8	1584.7	1578.4	1605.6	1644.6	1612.8	1594.4	1595.1	1588.6	1681.9	1530.7	1537.5	1526.9	1576.6
54	1562.0	1559.7	1550.5	1479.4	1594.4	1590.3	1617.3	1655.8	1627.0	1607.0	1607.4	1603.6	1694.7	1545.1	1549.2	1538.0	1589.3
55	1569.2	1568.7	1559.3	1493.4	1604.5	1602.9	1628.6	1662.8	1638.1	1616.5	1617.8	1617.8	1701.1	1558.0	1558.2	1548.1	1599.5
56	1576.0	1575.7	1568.5	1505.3	1612.8	1613.7	1634.5	1669.1	1647.1	1626.6	1626.8	1630.2	1704.9	1569.4	1569.4	1555.5	1607.6
57	1579.1	1580.0	1570.6	1512.1	1615.3	1621.0	1636.9	1668.7	1650.7	1631.5	1629.5	1635.6	1706.0	1579.1	1576.0	1560.5	1612.1
58	1578.9	1582.5	1570.8	1518.8	1615.8	1623.4	1637.1	1666.6	1651.8	1631.1	1630.6	1638.7	1698.3	1587.9	1584.3	1563.1	1613.2
59	1581.3	1586.5	1574.4	1526.4	1618.0	1625.9	1637.1	1665.5	1652.9	1634.9	1633.8	1641.9	1700.8	1597.8	1593.1	1566.9	1617.2
60	1587.9	1593.5	1582.0	1536.6	1626.3	1630.0	1645.3	1672.5	1657.0	1641.6	1639.6	1646.4	1706.5	1610.2	1604.1	1575.2	1624.1
61	1601.8	1603.6	1588.8	1545.6	1637.1	1638.7	1656.1	1684.8	1666.0	1652.0	1648.2	1653.4	1715.0	1621.0	1614.7	1585.0	1633.2
62	1607.5	1609.5	1597.5	1553.7	1641.9	1646.4	1661.9	1690.0	1671.8	1659.0	1655.4	1658.8	1719.0	1631.1	1625.7	1592.4	1639.9
63	1617.4	1620.5	1604.8	1560.4	1651.6	1652.9	1672.7	1698.1	1678.3	1665.0	1661.2	1665.7	1723.6	1643.4	1634.0	1600.1	1647.6
64	1624.8	1626.4	1613.3	1568.1	1659.6	1660.8	1677.2	1703.3	1684.9	1674.1	1668.6	1673.6	1730.3	1652.4	1644.4	1608.2	1654.9
65	1634.4	1636.3	1623.6	1576.8	1668.9	1669.5	1685.5	1711.4	1692.7	1682.6	1675.6	1680.4	1737.7	1664.1	1654.9	1617.8	1663.9
66	1641.9	1643.0	1631.5	1585.2	1678.3	1676.8	1690.2	1717.7	1699.0	1691.4	1683.1	1689.4	1745.1	1674.5	1664.2	1625.8	1670.8
67	1649.8	1651.8	1640.7	1594.9	1687.1	1684.6	1699.0	1724.0	1705.6	1700.4	1690.2	1696.5	1748.7	1683.5	1672.7	1634.5	1678.9
68	1658.1	1658.7	1648.2	1605.2	1696.6	1691.1	1703.8	1730.1	1713.0	1708.3	1696.5	1703.1	1756.4	1693.0	1680.4	1642.2	1686.8
69	1660.8	1661.9	1652.9	1612.8	1699.7	1695.2	1705.3	1730.1	1714.5	1710.7	1699.7	1707.1	1756.4	1699.2	1686.4	1647.1	1689.8
70	1663.5	1666.0	1654.2	1620.1	1702.6	1696.5	1707.1	1731.0	1717.0	1711.6	1701.1	1708.5	1755.7	1705.3	1692.3	1651.1	1692.5
71	1666.2	1668.4	1657.9	1629.0	1706.7	1700.2	1709.2	1731.0	1718.4	1715.9	1704.4	1712.1	1758.9	1709.6	1696.1	1655.7	1696.2
72	1671.3	1672.5	1662.1	1636.3	1708.7	1702.6	1712.3	1735.2	1722.9	1718.1	1707.4	1714.5	1763.6	1714.5	1700.4	1659.6	1699.3
73	1677.0	1677.2	1667.5	1642.6	1713.6	1706.2	1718.4	1739.8	1726.0	1719.9	1709.2	1717.3	1767.7	1719.7	1704.9	1666.3	1704.0
74	1681.2	1681.0	1669.8	1648.2	1714.6	1709.8	1723.3	1743.4	1729.2	1722.7	1711.8	1720.8	1773.3	1723.8	1708.7	1670.4	1707.7
75	1686.4	1685.1	1673.6	1654.2	1719.0	1713.7	1727.1	1746.7	1731.7	1725.6	1713.2	1723.5	1774.0	1726.7	1712.5	1675.1	1710.8
76	1627.7	1642.5	1620.3	1628.8	1653.6	1682.2	1656.1	1673.1	1684.2	1655.2	1652.4	1682.4	1686.4	1703.7	1685.8	1629.8	1659.9
77	1564.9	1585.9	1560.6	1594.6	1584.7	1620.3	1585.0	1601.1	1618.5	1587.2	1584.0	1615.8	1604.7	1669.5	1653.4	1576.5	1600.1
78	1513.2	1534.3	1510.3	1563.3	1531.9	1563.4	1529.8	1541.1	1560.0	1530.9	1528.9	1556.1	1540.0	1630.8	1617.4	1530.3	1549.0
79	1468.6	1486.6	1467.0	1531.9	1485.7	1511.2	1480.5	1490.0	1506.2	1480.5	1479.9	1501.5	1483.5	1590.6	1579.3	1488.5	1502.5
80	1445.4	1453.5	1445.5	1503.5	1451.7	1469.3	1447.9	1453.1	1463.0	1446.3	1447.7	1459.6	1445.7	1555.0	1545.8	1462.0	1469.1
81	1422.9	1439.1	1423.6	1474.5	1430.4	1452.0	1425.4	1430.1	1442.3	1423.9	1425.2	1441.8	1421.1	1517.4	1509.8	1440.0	1445.6
82	1401.3	1418.5	1402.2	1456.9	1409.7	1433.5	1402.3	1407.6	1423.8	1401.6	1402.7	1421.2	1396.8	1483.3	1477.6	1419.7	1423.3
83	1380.2	1395.7	1382.0	1442.8	1388.8	1410.1	1380.6	1385.4	1400.5	1380.0	1382.0	1397.1	1374.1	1460.1	1455.1	1400.2	1402.1
84	1360.6	1374.6	1362.6	1429.5	1370.7	1387.8	1361.1	1364.9	1378.2	1359.1	1363.1	1374.8	1354.3	1453.6	1446.4	1381.8	1383.9
85	1342.2	1356.3	1344.6	1415.7	1352.7	1368.3	1341.9	1345.3	1358.8	1341.0	1344.2	1354.8	1333.9	1440.7	1435.3	1364.7	1366.1
86	1323.5	1337.0	1326.4	1400.9	1334.8	1348.5	1322.2	1326.0	1338.6	1321.9	1325.3	1333.8	1313.8	1424.7	1419.8	1346.9	1347.7
87	1304.8	1317.4	1307.5	1385.8	1317.6	1327.8	1303.3	1306.4	1317.6	1301.2	1306.6	1312.0	1293.3	1406.3	1402.3	1328.9	1328.6

88	1286.6	1297.8	1290.2	1371.4	1300.5	1307.5	1284.8	1287.3	1297.0	1283.4	1288.2	1291.1	1274.0	1388.8	1385.6	1311.5	1310.4
89	1269.1	1278.7	1272.2	1357.0	1283.2	1287.5	1266.4	1268.8	1276.9	1265.2	1270.0	1269.9	1254.6	1373.4	1370.1	1294.3	1292.4
90	1251.0	1259.1	1254.4	1342.6	1265.7	1267.2	1247.7	1250.4	1256.4	1246.8	1251.5	1249.2	1234.8	1357.3	1355.0	1276.7	1274.3
91	1235.1	1242.0	1238.7	1329.4	1250.2	1249.0	1231.7	1233.7	1238.4	1231.0	1234.2	1229.9	1217.7	1341.9	1340.4	1261.3	1258.3
92	1217.7	1223.1	1221.4	1314.5	1233.9	1229.7	1213.9	1215.7	1218.6	1212.1	1216.9	1209.9	1199.1	1324.4	1324.2	1244.2	1240.4
93	1202.7	1206.9	1206.7	1301.0	1219.1	1212.6	1198.4	1199.7	1201.6	1196.8	1201.1	1192.1	1183.6	1308.4	1308.9	1229.3	1224.2
94	1186.3	1189.0	1189.9	1285.2	1202.4	1194.1	1180.9	1182.7	1182.4	1180.4	1183.5	1173.0	1165.3	1290.4	1292.0	1212.6	1207.1
95	1170.3	1172.1	1174.3	1270.0	1187.1	1176.8	1165.1	1166.4	1165.5	1163.8	1167.1	1155.2	1148.9	1272.7	1275.3	1196.7	1191.3
96	1155.2	1155.9	1158.8	1254.4	1172.5	1160.2	1150.0	1150.9	1149.1	1148.9	1151.6	1139.5	1134.5	1254.9	1258.3	1181.1	1175.7
97	1140.8	1141.3	1144.9	1238.2	1156.3	1145.1	1135.6	1136.5	1134.5	1135.4	1136.5	1125.0	1119.9	1236.6	1241.2	1166.3	1160.6
98	1127.8	1128.9	1132.5	1223.4	1143.1	1132.5	1123.3	1122.3	1121.2	1122.8	1122.4	1110.4	1106.2	1220.2	1225.2	1153.2	1146.7
99	1114.5	1114.9	1119.0	1207.2	1129.6	1117.6	1108.4	1107.7	1105.5	1109.3	1107.7	1094.2	1090.8	1202.0	1207.9	1138.9	1132.1
100	1101.2	1100.5	1106.2	1191.4	1116.7	1102.6	1094.5	1092.7	1089.9	1096.0	1093.8	1078.5	1076.2	1184.5	1191.4	1124.6	1117.6
101	1087.7	1086.1	1092.0	1176.1	1103.4	1087.9	1081.0	1078.5	1075.3	1081.9	1080.0	1063.2	1062.1	1167.8	1175.2	1110.5	1103.4
102	1074.2	1071.9	1078.3	1160.2	1089.9	1072.9	1067.0	1064.3	1060.2	1067.7	1065.6	1048.3	1047.2	1151.6	1159.0	1096.2	1088.8
103	1061.2	1058.4	1065.6	1146.6	1076.7	1059.1	1053.9	1049.7	1046.1	1054.9	1051.2	1033.5	1033.5	1137.9	1144.4	1082.9	1075.1
104	1049.2	1045.9	1053.1	1134.9	1065.0	1045.9	1041.3	1037.5	1033.3	1042.0	1040.0	1020.9	1020.7	1125.0	1132.3	1070.8	1063.1
105	1036.2	1032.4	1040.2	1122.1	1051.9	1032.3	1027.9	1024.0	1019.7	1028.7	1025.1	1006.7	1006.5	1109.1	1118.5	1057.7	1049.4
106	1023.6	1019.8	1028.3	1108.9	1039.1	1019.3	1015.5	1010.8	1006.3	1016.2	1012.5	993.6	994.3	1093.5	1104.3	1045.2	1036.4
107	1011.7	1007.2	1016.1	1095.3	1027.6	1006.7	1003.3	998.8	993.7	1003.1	1000.0	980.8	982.2	1078.0	1089.5	1032.6	1023.7
108	999.7	995.2	1004.0	1081.0	1014.8	993.9	990.7	986.0	981.1	991.8	986.9	967.6	969.4	1062.0	1074.2	1020.0	1010.5
109	988.5	984.0	992.8	1068.1	1003.3	982.6	980.2	975.0	971.1	980.1	975.6	956.3	957.7	1047.7	1060.7	1008.4	999.5
110	977.2	972.3	981.3	1054.0	991.8	970.7	968.2	963.0	957.9	968.2	963.3	944.1	946.0	1032.8	1045.9	996.2	986.9
111	967.3	961.3	971.2	1040.7	980.6	959.4	957.0	952.3	947.5	957.6	951.4	932.5	934.9	1018.2	1031.9	984.7	975.9
112	955.4	950.4	959.4	1027.6	969.4	948.2	946.2	940.3	935.8	945.5	940.3	921.4	923.4	1004.2	1018.4	973.2	963.8
113	944.8	939.7	948.9	1014.6	957.9	937.4	935.4	929.1	924.6	934.9	928.9	910.0	913.6	990.3	1004.9	962.0	952.7
114	934.3	929.1	937.9	1001.8	947.1	926.4	924.3	918.0	913.6	923.9	917.6	899.1	901.4	976.8	991.6	950.8	941.1
115	924.6	919.6	928.4	990.3	938.3	917.6	914.5	907.9	903.9	914.5	908.6	889.9	892.9	964.6	979.5	940.7	931.3
116	913.8	910.0	918.1	977.9	926.6	906.1	905.4	898.0	894.2	904.1	897.6	878.2	880.9	951.4	966.4	929.7	920.3
117	904.5	900.3	908.2	966.4	916.3	897.1	895.1	887.9	883.2	895.1	886.5	869.0	871.0	939.2	954.5	919.6	909.8
118	894.7	889.9	898.5	954.9	906.4	886.5	883.9	877.3	873.5	884.5	876.4	858.0	861.3	927.1	942.4	909.5	900.2
119	885.4	880.2	889.0	943.3	896.2	876.4	874.4	867.2	863.6	874.6	865.8	847.9	851.2	915.1	930.7	899.5	889.3
120	876.0	871.0	879.6	932.4	886.5	867.0	864.7	857.8	853.9	865.6	856.2	838.0	842.2	903.6	919.2	889.7	879.0
121	867.0	862.2	870.6	922.3	877.8	859.1	855.9	848.7	845.1	855.7	847.2	829.2	832.6	892.8	908.6	880.5	870.0
122	859.1	854.1	862.7	912.9	869.4	849.9	847.6	840.9	836.1	847.8	838.8	820.9	824.0	881.6	897.8	872.2	861.6
123	849.7	844.7	853.2	901.9	859.6	840.2	838.0	832.3	827.4	838.8	828.9	811.0	815.0	871.0	887.0	862.4	852.1
124	842.2	836.2	844.7	891.9	850.1	831.4	829.2	822.0	818.6	831.0	819.7	802.2	807.1	860.5	876.9	853.6	843.0
125	832.6	827.6	836.2	882.0	841.1	822.7	820.8	813.4	809.8	822.4	810.5	793.4	797.4	850.1	866.7	844.6	834.1
126	824.7	820.4	829.4	872.6	834.1	814.6	812.5	805.1	802.8	815.0	803.3	785.1	790.0	840.6	856.9	836.3	826.0
127	817.5	811.9	820.9	864.5	825.8	807.4	805.3	796.8	794.3	806.2	794.8	777.4	781.0	831.7	848.3	828.7	817.8
128	810.0	803.5	813.0	855.3	817.9	799.3	797.4	789.4	786.2	797.4	786.7	769.5	773.4	822.4	839.1	820.7	810.1
129	801.1	795.9	805.6	846.7	810.1	791.6	788.5	781.9	778.6	789.4	778.6	760.6	765.7	812.1	828.9	812.9	801.5
130	793.2	788.4	796.8	836.6	800.8	782.8	780.6	772.9	770.0	781.2	769.6	752.5	758.1	802.8	819.5	803.8	792.9
131	786.0	781.0	790.3	828.1	793.0	775.0	773.1	765.1	762.1	774.7	761.5	745.0	749.5	793.9	811.0	796.1	785.0
132	778.8	774.7	782.2	820.2	786.0	768.0	767.1	758.1	755.2	767.1	754.5	738.0	742.5	786.7	802.8	788.8	778.0
133	772.5	767.5	775.9	812.8	779.2	761.5	759.6	751.5	748.8	760.3	748.0	731.3	735.8	777.9	794.3	782.2	771.2
134	765.5	760.5	768.9	804.9	772.0	754.7	752.5	744.6	741.9	753.1	740.8	723.9	728.4	769.6	786.9	775.0	763.9

135	757.9	752.7	761.2	796.3	765.0	747.7	745.5	736.9	734.9	746.1	733.3	716.2	721.0	760.6	778.1	767.0	756.0
136	751.1	747.0	755.4	788.5	756.5	740.8	739.0	730.6	726.8	739.6	725.4	708.6	713.5	752.5	770.0	760.1	749.1
137	745.5	739.6	748.6	781.2	749.8	733.3	732.4	722.8	720.3	732.0	718.2	702.3	707.2	745.0	762.4	754.3	742.2
138	739.0	734.0	741.9	774.7	744.1	727.3	725.4	717.3	714.6	725.5	712.6	696.6	701.2	738.3	756.0	747.4	736.0
139	732.6	727.5	735.4	767.7	737.2	720.9	718.9	710.4	708.1	718.7	705.7	689.9	694.8	730.9	748.6	740.8	729.2
140	725.5	720.7	729.7	759.7	730.8	714.7	711.7	703.9	701.8	711.9	699.1	683.1	688.1	723.9	741.6	733.7	722.4
141	719.2	714.2	722.1	752.7	723.4	707.4	706.5	697.8	695.7	705.0	692.6	676.4	680.9	715.8	733.5	727.1	716.0
142	713.1	708.1	716.2	746.1	717.3	702.3	700.3	691.0	688.3	700.0	685.4	670.3	674.8	708.6	726.4	720.9	709.7
143	708.3	703.2	711.3	740.5	711.7	696.4	694.6	686.1	683.6	693.9	680.4	665.2	669.9	702.9	719.8	715.8	704.3
144	702.3	697.1	705.4	733.8	705.7	690.3	688.3	679.6	677.5	688.3	674.1	658.9	663.8	696.0	713.7	709.7	698.4
145	696.4	691.7	699.3	727.3	699.6	684.5	682.0	673.9	671.7	682.2	668.1	653.2	657.5	689.4	707.2	703.8	692.2
146	689.7	686.1	694.2	720.3	693.7	677.8	675.0	667.4	666.0	675.3	662.2	647.6	650.8	682.2	700.2	698.1	686.7
147	684.1	680.5	688.3	714.2	687.2	672.3	670.3	662.0	660.2	670.5	655.5	640.9	646.3	675.9	693.9	692.3	680.5
148	678.6	675.0	682.0	709.2	682.0	667.6	665.1	656.4	654.8	665.4	650.8	636.3	640.6	669.7	687.7	685.7	675.0
149	673.9	669.6	677.3	703.0	676.6	662.0	659.5	651.9	649.4	658.6	644.9	630.9	635.0	664.5	682.5	680.9	669.8
150	668.8	664.5	671.9	697.3	671.4	656.8	653.7	646.9	644.0	653.9	639.5	625.5	629.6	658.4	676.6	675.6	664.4
151	662.7	659.3	667.0	691.7	665.4	651.7	649.8	641.3	639.1	649.0	634.6	620.2	624.0	652.6	670.1	670.5	659.3
152	657.9	654.3	662.0	686.1	660.7	646.7	644.9	636.3	633.9	643.8	629.1	615.2	618.8	646.0	665.1	665.2	654.2
153	653.4	649.4	657.1	680.5	655.5	640.8	639.7	631.2	629.1	638.8	624.0	610.3	613.6	640.2	658.6	660.1	648.8
154	648.5	644.5	652.1	675.1	650.1	636.6	635.0	626.0	624.0	633.9	618.8	605.3	609.3	635.7	653.9	655.1	644.2
155	643.6	639.7	647.1	669.7	645.4	631.8	630.3	620.8	619.2	628.2	613.8	600.3	604.6	630.3	648.7	650.0	639.3
156	639.1	635.4	642.2	664.5	640.0	627.1	625.1	616.1	614.3	624.0	608.7	595.6	599.7	624.9	643.1	645.3	633.9
157	634.5	630.5	638.1	659.5	634.8	622.4	620.8	611.8	609.6	618.6	603.7	590.7	594.9	618.8	638.1	640.6	629.6
158	630.0	626.4	633.2	654.4	630.9	617.7	615.2	607.3	604.9	613.6	599.4	586.0	590.4	614.7	633.0	636.0	624.9
159	625.3	621.5	628.3	649.6	625.1	613.2	610.9	603.0	600.6	609.8	594.5	581.4	585.5	609.4	628.0	631.2	620.3
160	620.8	617.0	624.2	644.5	620.8	608.5	606.2	598.6	595.8	605.5	589.6	576.3	580.6	604.2	622.6	626.6	615.1
161	616.1	612.7	619.9	639.7	616.5	604.0	601.3	594.3	591.4	600.8	584.6	572.0	576.9	599.4	617.9	622.1	610.8
162	611.1	608.4	615.0	635.0	612.1	599.7	596.7	589.8	586.9	596.1	580.1	567.9	571.6	594.0	612.7	617.5	606.5
163	607.3	604.2	611.2	630.5	608.2	595.6	593.1	585.5	582.1	591.8	575.8	563.4	566.6	590.0	607.6	613.3	602.3
164	603.0	599.9	606.7	625.8	603.3	591.3	588.7	581.5	578.8	587.7	572.0	559.2	562.8	585.3	603.9	608.9	598.1
165	598.8	595.6	602.4	621.5	599.2	587.1	584.8	577.4	574.7	583.2	567.3	555.1	559.0	580.6	599.4	604.6	594.3
166	594.5	591.6	598.3	616.8	594.9	583.2	580.6	573.1	570.4	578.7	563.2	550.6	554.9	575.8	594.5	600.3	589.7
167	590.7	587.7	594.5	612.5	590.7	579.2	576.5	569.3	566.4	574.7	559.2	546.6	551.3	571.6	590.0	596.3	585.8
168	586.9	583.9	589.6	608.2	586.8	575.4	572.0	565.2	561.7	570.2	554.9	543.0	546.4	567.5	585.3	592.4	581.5
169	583.2	580.1	586.8	604.0	581.5	571.5	568.2	560.5	558.9	566.6	550.6	538.7	543.2	563.0	581.9	588.5	577.5
170	578.8	576.3	582.6	599.7	578.1	567.5	565.0	557.4	554.7	563.4	546.8	534.9	539.1	558.9	577.4	584.6	573.7
171	575.2	572.5	578.7	595.6	574.3	563.5	561.2	553.6	550.8	559.4	543.2	531.0	535.5	554.4	573.3	580.7	569.9
172	571.5	568.8	575.1	591.4	570.7	559.8	558.3	549.7	546.6	555.6	539.2	527.2	531.5	550.2	569.1	576.5	565.8
173	567.7	565.0	571.5	587.7	566.8	556.2	554.0	546.4	543.2	551.3	535.5	523.6	528.6	545.9	565.3	572.9	561.9
174	564.3	561.2	568.8	583.9	563.4	553.3	549.9	543.0	539.6	547.7	531.3	519.4	523.8	541.8	561.4	569.2	558.7
175	560.8	558.5	564.6	580.1	558.7	548.6	546.1	539.8	535.8	543.9	527.4	515.7	520.9	538.0	557.4	565.5	554.8
176	557.4	554.9	561.0	576.1	555.3	545.2	543.2	535.8	532.6	540.3	524.3	512.1	517.3	534.2	553.6	562.1	551.3
177	554.5	551.1	557.4	572.5	551.8	543.0	539.8	532.4	529.2	537.1	520.5	508.8	513.5	530.4	549.9	558.6	548.0
178	550.6	548.2	554.7	568.8	548.6	538.7	536.0	529.3	526.6	533.1	516.9	505.2	510.4	526.8	545.9	555.2	544.6
179	548.1	544.5	550.9	565.2	544.3	534.9	532.6	525.4	523.2	529.9	513.1	502.0	507.6	523.4	542.1	551.6	541.0
180	544.6	541.0	548.1	561.7	541.4	531.9	530.4	523.0	519.1	527.0	510.4	498.6	503.2	519.8	538.5	548.9	537.7
181	540.9	538.0	544.3	557.8	537.8	528.6	526.1	519.1	516.0	523.2	506.8	495.3	500.0	515.7	534.9	545.5	534.3

182	537.4	535.8	541.0	554.4	534.6	525.7	523.2	515.8	512.4	519.6	503.4	492.4	497.7	512.4	531.9	542.0	531.2
183	534.7	531.9	538.3	550.9	531.0	523.2	520.0	513.0	509.5	516.2	500.5	489.4	493.9	509.7	529.2	539.5	528.3
184	530.8	529.2	534.2	547.5	528.3	520.0	516.4	510.3	505.9	513.5	497.1	486.0	490.8	505.2	525.6	536.1	525.2
185	527.9	525.2	532.0	544.3	524.8	515.8	513.7	506.3	503.2	510.1	493.9	482.7	486.5	501.6	521.1	532.1	521.4
186	525.2	522.5	528.3	541.0	522.5	513.0	511.2	503.4	500.0	507.0	492.1	479.1	483.8	498.9	518.2	529.4	518.5
187	522.5	520.2	525.0	537.6	519.4	510.3	508.5	500.7	497.7	504.3	487.8	475.9	480.4	495.3	514.6	526.9	515.0
188	518.5	517.3	522.0	534.2	515.8	506.8	504.5	497.5	493.5	500.4	484.7	472.8	477.7	491.9	511.3	522.8	512.1
189	515.8	513.1	519.8	531.5	512.4	504.1	501.6	495.1	490.6	497.8	482.0	470.3	474.1	489.2	508.5	520.1	509.3
190	513.0	510.6	516.0	529.0	510.1	501.3	499.3	491.4	487.9	495.0	479.7	467.8	471.9	486.7	505.8	517.1	506.6
191	510.1	507.9	513.5	525.2	506.5	498.9	496.0	488.7	485.4	492.6	475.9	464.9	468.0	482.7	501.8	514.3	503.6
192	507.9	505.2	511.0	522.3	503.6	496.2	493.5	485.8	482.2	489.7	473.2	460.9	465.3	479.3	499.3	511.9	500.7
193	503.8	502.0	507.0	519.8	501.3	492.4	489.7	483.3	479.1	485.8	471.0	458.4	461.8	476.2	495.9	507.9	497.5
194	501.6	499.3	504.3	515.8	497.7	490.3	487.0	479.7	476.2	482.9	467.8	455.7	459.1	473.7	492.6	505.1	494.7
195	499.3	497.7	501.8	512.8	495.1	486.9	484.3	477.3	473.5	480.6	464.9	453.2	456.3	470.3	490.1	502.3	492.1
196	496.4	494.8	499.3	510.1	492.4	484.3	482.0	474.4	471.0	477.9	462.2	450.9	453.7	467.4	487.0	499.7	489.4
197	493.7	492.1	496.9	507.7	489.9	481.6	479.5	471.7	468.7	474.6	459.7	447.6	451.2	464.7	484.3	497.3	486.1
198	490.6	489.7	493.3	505.2	486.7	478.9	476.4	469.6	466.0	471.7	455.9	445.3	448.5	462.6	482.0	494.6	484.1
199	487.4	486.7	490.8	502.3	484.3	476.8	473.9	466.9	463.6	469.9	453.2	442.6	445.8	458.4	478.9	492.3	481.2
200	484.9	484.0	488.5	498.7	480.9	474.4	471.6	464.4	461.3	467.8	450.7	440.1	442.8	456.3	476.4	489.8	478.5
201	482.4	481.5	486.1	496.0	478.4	472.1	469.4	461.5	458.6	464.0	448.2	437.4	440.6	453.9	472.6	486.3	475.9
202	479.8	479.1	483.8	493.5	476.2	469.6	466.7	459.3	455.9	461.7	445.8	434.8	438.1	451.4	470.3	483.9	473.7
203	477.5	476.8	481.3	490.8	472.6	467.1	464.5	455.7	452.5	459.3	443.1	432.5	435.2	448.9	467.4	481.5	470.8
204	476.1	474.4	478.8	488.5	470.3	464.5	460.9	454.5	450.1	456.4	440.8	430.0	432.3	446.0	465.6	479.1	468.4
205	473.4	471.6	476.2	485.8	468.0	462.2	458.6	450.7	447.6	454.3	438.6	427.5	429.6	442.4	462.9	476.5	466.1
206	470.7	468.7	473.4	483.1	465.6	459.7	456.3	449.4	445.5	451.8	435.4	424.6	427.1	439.7	459.1	474.1	463.2
207	468.0	467.4	470.8	480.6	464.0	457.5	453.7	447.1	442.8	449.2	433.8	422.1	425.8	437.4	456.8	471.5	461.0
208	465.4	464.7	468.1	478.2	460.9	455.0	451.4	444.4	440.4	446.5	430.2	419.5	422.1	434.8	454.3	469.1	458.2
209	463.1	462.6	465.6	475.7	458.6	452.7	449.2	441.9	438.1	444.2	427.6	417.0	419.7	432.3	451.8	466.7	456.1
210	460.9	460.0	463.3	473.5	455.9	450.0	446.9	439.5	435.7	441.7	425.3	414.7	418.5	429.6	449.1	464.4	453.9
211	458.4	457.3	460.9	471.0	453.4	447.6	444.6	437.4	433.4	439.2	423.0	412.5	415.8	427.3	446.9	461.9	451.2
212	455.9	455.0	459.7	468.7	451.0	445.3	442.4	434.8	431.2	437.0	421.7	410.2	413.2	425.8	444.6	459.5	449.2
213	454.6	452.8	457.2	466.2	448.7	442.8	440.2	432.3	429.1	435.4	419.2	407.8	410.9	423.3	442.2	457.3	447.0
214	451.9	450.7	454.6	464.0	447.4	441.7	439.0	430.0	426.7	432.5	417.0	406.6	408.4	420.3	439.9	455.0	444.9
215	449.8	448.2	452.1	461.5	444.7	439.2	436.3	427.8	424.4	430.0	414.7	403.9	407.1	417.9	437.5	452.4	442.6
216	447.1	446.0	450.9	459.3	442.6	437.0	433.9	426.7	423.1	428.9	412.5	401.4	405.0	415.4	435.0	451.1	440.5
217	444.7	444.9	448.5	457.0	440.4	434.5	431.6	424.2	421.0	426.0	410.2	400.3	402.6	413.2	432.9	449.0	438.4
218	442.6	442.6	446.0	454.6	438.1	432.3	430.2	421.5	418.8	424.6	408.0	397.6	400.3	411.8	430.5	446.7	436.1
219	441.5	439.9	443.5	452.3	435.7	429.8	426.9	419.0	416.5	422.1	405.9	395.2	397.6	409.1	428.4	444.5	433.9
220	439.2	437.7	442.0	450.1	433.6	428.5	425.8	417.6	414.0	419.5	403.5	393.8	396.3	406.6	425.8	442.3	431.9
221	437.0	436.6	439.7	447.6	431.4	426.4	423.5	415.2	412.7	417.2	401.9	391.1	393.8	404.4	423.7	440.2	429.9
222	434.3	434.1	437.2	445.3	429.3	424.2	422.4	413.1	410.0	415.0	398.8	388.9	391.6	403.2	422.2	437.7	427.6
223	432.1	431.8	434.8	442.9	427.1	422.8	420.1	410.9	407.8	413.8	396.7	386.8	388.8	400.8	419.9	435.4	425.5
224	430.0	430.7	433.8	441.7	424.6	420.3	419.0	409.6	406.4	411.3	394.5	384.6	387.7	398.1	417.4	434.3	423.6
225	428.7	428.2	431.4	439.3	423.3	419.0	415.9	407.3	403.9	408.9	393.3	383.2	385.3	396.0	415.2	432.0	421.1
226	426.4	426.7	429.1	437.0	420.8	416.5	414.7	405.1	402.6	407.8	390.9	380.8	384.3	394.5	413.8	429.5	419.6
227	424.9	424.6	427.8	434.5	418.5	414.1	412.2	404.1	400.3	405.1	389.5	379.8	381.7	392.2	411.3	428.5	418.5
228	422.6	422.1	424.9	433.4	417.2	413.1	410.9	401.4	398.8	404.1	386.4	377.2	380.5	389.8	408.9	426.0	415.8

229	421.3	420.8	423.9	430.9	414.7	410.7	408.4	400.3	396.3	401.5	385.3	376.0	378.3	388.4	407.7	423.8	414.1
230	420.1	418.3	421.5	429.4	413.4	408.4	407.1	398.1	395.1	400.3	383.0	373.6	377.2	385.9	405.3	422.5	412.4
231	417.9	417.2	419.2	426.9	410.9	407.1	404.6	396.0	392.7	397.6	380.8	372.4	375.1	384.4	403.2	420.0	410.4
232	416.7	414.9	418.1	424.8	409.6	405.7	403.3	394.5	391.5	396.3	379.8	369.9	372.7	381.9	401.9	418.7	408.3
233	414.0	413.8	415.9	423.5	407.3	403.3	401.0	392.2	389.1	394.0	377.4	368.6	371.3	380.8	399.4	416.3	406.6
234	412.9	411.4	414.7	421.3	406.0	402.3	399.7	391.1	388.0	392.7	376.0	367.3	370.2	378.1	397.9	415.2	405.3
235	410.5	410.4	412.2	419.2	403.7	400.1	397.4	388.8	385.7	390.2	373.8	365.0	367.9	377.1	395.4	412.7	402.8
236	409.3	407.7	410.9	418.1	401.5	397.9	396.3	387.5	384.6	388.9	372.7	363.7	366.4	374.7	394.3	411.5	401.7
237	406.6	406.6	408.4	415.8	400.3	396.5	393.8	385.2	382.5	386.4	370.6	361.6	364.1	373.6	391.6	409.3	399.2
238	405.1	405.1	407.1	413.6	398.8	395.2	392.7	384.1	381.2	385.2	369.3	360.5	362.8	371.3	390.6	408.2	397.6
239	403.7	403.0	404.8	412.2	396.5	392.9	391.3	381.9	378.9	382.6	367.2	358.3	360.5	370.0	388.2	405.9	396.1
240	401.4	401.7	403.7	410.9	395.2	391.8	388.9	380.8	377.4	381.4	366.1	357.1	359.1	367.7	387.0	404.6	394.7
241	400.1	400.3	401.5	408.7	392.9	389.7	387.7	378.0	376.2	380.3	363.9	354.6	357.6	366.6	384.4	402.1	392.6
242	398.8	397.6	400.5	406.6	391.8	388.6	386.6	376.9	373.8	378.0	362.8	353.1	354.9	363.9	383.4	401.1	391.0
243	396.5	396.5	398.3	405.5	389.5	386.2	384.4	375.4	372.7	376.7	360.1	352.0	353.8	362.7	380.8	399.9	389.4
244	395.1	395.4	396.9	403.3	388.4	385.2	383.0	374.2	370.4	375.4	359.1	351.0	351.7	361.4	379.8	397.3	387.6
245	393.8	393.3	395.8	402.1	386.8	384.1	381.9	371.8	369.3	372.7	358.0	348.6	350.6	358.9	378.5	396.1	386.4
246	391.6	392.2	393.6	399.9	384.4	381.9	380.8	370.6	367.2	371.7	355.6	347.5	347.9	357.8	376.0	394.0	384.6
247	390.4	390.0	392.5	398.8	383.4	380.8	378.3	368.4	365.9	369.5	353.5	345.2	346.5	355.6	374.9	392.6	383.1
248	388.9	388.8	390.2	396.5	381.9	378.7	377.2	367.2	364.6	368.4	352.4	344.1	345.4	354.6	372.7	391.3	381.5
249	387.9	386.6	389.1	395.4	379.6	377.6	376.0	365.9	362.1	367.2	350.2	342.9	343.0	352.2	371.7	390.1	380.1
250	385.7	385.3	387.7	393.3	378.1	376.2	373.6	363.6	360.7	365.0	349.2	340.3	341.8	351.1	369.3	387.7	378.2
251	384.6	384.3	385.5	392.0	377.1	374.9	372.2	362.3	359.6	363.7	348.1	339.1	340.7	348.8	368.2	386.7	376.7
252	383.2	382.1	384.4	389.7	374.9	372.4	370.9	361.2	358.5	362.5	345.7	338.0	338.2	347.5	365.9	385.6	375.3
253	381.9	380.8	383.0	388.4	373.6	371.3	369.7	359.1	356.2	360.0	344.7	336.7	337.1	346.3	364.6	383.3	373.7
254	380.5	379.6	380.8	387.1	372.4	370.2	368.6	358.0	354.9	358.7	343.6	334.4	335.7	344.1	363.2	382.1	372.4
255	378.1	378.5	379.6	386.1	370.2	369.0	367.3	356.9	353.7	357.6	341.4	333.3	334.4	343.0	360.9	381.1	371.1
256	377.1	377.4	378.5	383.7	369.1	366.6	365.0	354.4	352.6	356.2	340.3	332.1	332.1	342.0	359.6	378.8	369.0
257	376.0	376.0	377.4	382.5	367.9	365.4	363.7	353.1	350.2	355.1	339.1	330.8	331.0	339.8	358.5	377.7	367.9
258	374.9	373.6	375.1	381.2	366.4	363.9	362.7	352.0	349.2	352.8	336.7	328.5	329.9	338.7	356.4	376.5	366.5
259	373.6	372.4	373.8	379.9	365.2	362.7	361.4	350.8	347.9	351.5	335.7	327.4	327.7	336.6	355.1	375.4	365.2
260	371.1	371.1	372.7	377.8	362.8	361.4	360.3	348.4	346.5	350.2	334.4	326.3	326.7	335.3	354.0	372.8	363.5
261	369.7	369.9	371.7	376.7	361.8	360.1	358.0	347.4	345.2	349.2	333.3	325.0	325.6	334.0	352.8	371.7	362.3
262	368.6	368.6	370.4	375.6	360.7	359.1	356.7	346.1	344.1	347.9	331.0	323.8	324.5	332.8	350.6	370.5	360.8
263	367.5	367.3	367.9	374.4	358.5	356.7	355.6	345.0	342.0	345.4	329.9	322.7	322.3	331.3	349.5	369.3	359.5
264	366.4	365.9	366.8	371.8	357.4	355.6	354.6	343.9	340.9	344.3	328.8	320.2	321.1	330.3	348.4	368.2	358.1
265	364.1	364.8	365.7	370.6	356.4	354.6	353.5	341.4	339.6	343.2	327.6	319.1	320.0	328.8	346.1	365.9	356.6
266	362.8	362.7	364.6	369.5	355.3	353.5	351.1	340.3	338.4	342.1	325.2	317.7	318.7	326.3	345.0	364.8	355.3
267	361.8	361.4	363.6	368.2	352.9	352.2	350.1	339.3	337.3	340.9	324.1	316.6	317.7	325.2	343.8	363.8	354.1
268	360.7	360.3	362.1	367.2	351.7	351.1	349.0	338.2	335.1	339.6	323.1	315.3	316.6	324.0	342.7	362.7	352.8
269	359.4	359.2	360.0	365.9	350.6	350.1	347.9	337.1	334.0	337.5	322.0	314.2	314.4	322.9	340.3	360.5	350.9
270	358.3	358.0	358.7	363.6	349.3	347.5	346.6	334.8	333.0	336.2	320.7	313.2	313.3	321.8	339.1	359.5	350.1
271	357.3	356.7	357.6	362.5	348.1	346.5	345.6	333.7	331.9	335.1	319.6	312.1	312.3	320.7	338.0	358.4	348.8
272	355.1	354.6	356.4	361.4	346.8	345.2	344.3	332.6	330.6	334.0	318.6	310.6	311.0	318.4	336.9	357.1	347.4
273	353.8	353.5	355.3	360.1	345.6	344.1	342.1	331.5	328.3	331.9	317.1	309.6	309.7	317.1	335.8	356.0	346.1
274	352.4	352.4	354.2	359.1	344.5	343.0	340.9	330.3	327.2	330.8	315.7	307.2	308.7	315.9	334.6	354.9	344.8
275	351.3	351.3	353.1	356.9	342.1	341.8	339.8	328.1	325.9	329.7	313.3	306.1	307.6	314.8	332.4	353.8	343.5

276	350.2	350.2	351.7	355.8	341.1	340.5	338.5	327.0	324.9	328.3	313.3	305.1	306.5	313.5	331.3	352.5	342.3
277	349.2	349.2	349.5	354.7	339.8	339.4	337.1	325.9	323.8	326.8	311.0	303.8	304.3	312.4	330.3	350.2	341.0
278	348.1	348.1	348.4	353.7	338.5	338.4	336.0	324.9	322.5	325.8	309.7	302.7	303.3	311.4	329.2	349.2	340.0
279	347.0	345.9	347.4	352.6	337.5	337.3	336.0	323.8	321.4	324.5	308.7	301.5	303.3	310.3	328.1	348.2	338.6
280	345.9	344.7	346.3	351.5	337.5	336.2	333.9	322.5	320.4	323.4	307.6	301.5	302.0	308.1	327.0	347.1	337.8
281	344.7	343.6	345.2	349.3	336.0	334.0	332.8	321.4	319.3	322.3	306.5	300.2	300.7	307.0	324.9	346.1	336.4
282	343.4	342.5	344.1	348.3	333.9	334.0	331.7	320.4	318.2	321.1	305.4	298.9	299.7	305.8	323.6	344.9	335.3
283	342.3	341.4	343.0	347.2	333.9	332.6	330.6	319.1	317.1	320.0	304.3	297.7	298.6	305.8	322.5	343.8	334.5
284	341.2	340.3	342.0	345.9	332.6	331.5	329.4	317.8	315.9	318.7	303.3	296.6	298.6	303.6	321.4	342.8	333.0
285	340.0	339.3	340.9	344.8	331.5	330.3	328.3	316.8	314.6	317.7	302.2	295.5	296.4	302.4	320.0	341.6	331.9
286	338.9	338.0	339.6	343.8	330.3	329.0	327.0	315.7	313.5	316.6	301.1	294.4	296.4	302.4	320.0	340.6	331.0
287	337.8	336.9	338.5	342.7	329.0	327.9	327.0	314.6	312.4	315.3	300.0	293.4	295.0	301.3	318.7	339.5	330.4
288	336.7	335.8	337.3	341.6	327.9	326.8	325.8	313.5	312.4	314.2	298.9	292.3	293.9	299.1	317.7	338.4	328.9
289	335.7	334.8	336.2	340.5	326.8	325.8	324.7	312.4	311.4	313.0	297.9	291.2	292.8	299.1	316.6	337.3	327.8
290	334.6	334.8	335.1	339.4	325.8	324.7	323.6	311.4	310.3	311.9	296.8	291.2	291.7	298.0	314.4	336.2	326.9
291	333.3	333.5	334.0	338.2	324.7	323.6	322.5	310.3	309.2	310.8	295.5	290.1	290.7	295.9	313.3	335.2	325.7
292	332.2	332.4	332.6	337.1	323.6	322.5	321.4	309.2	307.9	309.6	294.4	288.7	289.4	295.9	313.3	334.0	324.7
293	331.0	331.3	331.5	336.0	322.5	321.4	320.4	309.2	306.9	309.6	293.4	287.6	289.4	294.6	311.9	333.0	323.7
294	331.0	330.3	330.4	334.9	321.4	320.4	319.3	308.1	305.6	308.5	292.3	286.3	288.3	293.4	310.6	331.8	322.8
295	329.7	329.2	330.4	333.9	320.4	319.3	318.2	307.0	304.3	307.4	291.2	286.3	287.2	292.3	309.6	330.7	321.4
296	328.6	328.1	329.2	332.6	319.3	318.2	316.9	306.0	303.3	306.3	291.2	285.3	286.0	291.2	308.5	329.6	321.0
297	327.4	327.0	328.1	331.5	318.2	317.1	315.9	304.7	302.2	305.1	290.1	284.2	284.7	290.1	307.4	328.6	319.1
298	326.3	325.8	327.0	330.4	317.1	317.1	314.8	303.6	302.2	304.0	289.0	283.1	283.6	288.9	306.3	327.3	318.7
299	325.0	324.7	325.8	330.4	316.0	316.0	314.8	302.5	300.9	302.9	287.6	282.0	283.6	287.8	305.1	326.3	317.8
300	324.0	323.6	324.7	328.3	315.0	315.0	313.7	301.3	299.8	301.8	286.3	280.9	282.6	287.8	304.0	325.1	316.6
301	322.7	322.5	323.6	327.2	313.9	313.9	312.4	300.2	298.8	300.7	285.3	279.9	281.5	286.7	302.9	323.9	316.1
302	322.4	321.4	322.5	326.1	312.8	312.8	311.4	299.1	297.7	299.3	284.2	279.9	280.4	285.6	302.9	322.9	314.7
303	321.4	321.4	321.4	325.0	311.7	311.7	310.1	299.1	296.6	299.3	284.2	278.8	279.3	284.5	301.8	321.8	313.8
304	320.4	320.0	320.2	325.0	310.6	310.6	309.0	298.0	295.5	298.2	283.1	277.7	278.1	283.5	300.7	321.8	312.6
305	319.1	318.7	320.2	323.8	309.6	309.6	307.9	296.6	295.5	297.1	282.0	276.6	277.0	282.4	299.7	320.7	311.6
306	318.0	317.7	319.1	322.7	309.6	308.3	307.9	295.3	294.4	296.1	280.8	275.5	277.0	281.3	298.6	319.6	311.6
307	316.8	317.7	317.8	321.6	308.5	307.2	306.7	295.3	293.4	294.8	279.7	274.5	275.7	281.3	297.5	318.4	310.1
308	315.7	316.6	316.8	320.5	307.4	307.2	305.6	294.3	292.3	293.7	279.7	274.5	274.6	279.9	296.4	317.4	309.1
309	315.7	315.3	315.7	319.5	306.3	306.1	304.5	293.2	291.2	292.5	278.6	273.2	273.4	278.8	295.3	316.3	307.4
310	314.6	314.1	314.4	318.4	305.2	305.1	303.3	291.9	289.8	292.5	277.5	272.1	272.1	277.7	294.3	315.2	306.9
311	313.5	313.0	313.3	317.3	303.8	304.0	302.0	290.8	289.8	291.4	276.3	271.0	272.1	276.4	293.0	314.1	305.9
312	312.4	311.9	312.3	316.2	302.7	302.9	302.0	289.8	288.7	290.3	275.2	269.8	270.9	276.4	293.0	313.1	305.1
313	311.2	311.9	312.3	315.1	302.7	301.8	300.7	288.7	287.4	289.2	275.2	269.8	269.6	275.4	291.9	313.1	304.2
314	310.1	310.6	311.2	314.1	301.6	300.6	299.7	288.7	286.3	288.1	274.1	268.7	268.5	274.3	290.8	311.9	303.3
315	310.1	309.6	310.1	314.1	300.6	300.6	298.6	287.6	286.3	287.1	272.8	267.6	268.5	273.2	289.8	310.9	302.5
316	308.8	308.5	309.0	313.0	299.5	299.5	298.6	286.5	285.3	287.1	272.8	266.4	267.4	272.1	288.7	309.8	301.3
317	307.6	307.4	307.9	311.9	298.4	298.2	296.4	285.3	283.8	285.6	271.4	266.4	266.4	271.0	287.6	308.8	300.6
318	307.6	307.4	306.9	310.6	297.3	298.2	296.4	285.3	282.7	284.5	270.3	265.3	265.3	271.0	286.5	307.8	299.6
319	306.3	306.3	305.8	309.6	297.3	297.1	295.3	284.0	282.7	284.5	269.2	265.3	265.3	270.0	286.5	306.7	299.1
320	305.2	305.2	305.8	309.6	296.1	296.1	294.3	282.9	281.7	283.5	269.2	264.2	264.0	268.9	285.3	306.7	298.4
321	304.0	304.2	304.5	308.5	295.0	295.0	294.3	282.9	280.6	282.4	268.2	262.9	264.0	267.8	284.2	305.5	297.5
322	304.0	303.1	303.4	307.2	293.9	293.9	293.0	281.7	279.3	281.3	266.9	261.9	262.8	267.8	283.1	304.4	295.9

323	302.7	302.0	303.4	306.1	293.9	293.9	291.9	280.6	279.3	280.2	266.9	261.9	261.7	266.7	283.1	303.4	295.6
324	301.6	302.0	302.0	305.1	292.8	292.8	290.8	279.5	278.2	280.2	265.8	260.8	261.7	265.6	282.0	302.3	294.8
325	300.6	300.7	300.9	305.1	291.7	291.7	289.8	279.5	277.2	279.1	264.6	259.7	260.6	264.6	280.9	302.3	293.8
326	299.5	299.7	299.8	303.8	290.7	290.7	289.8	278.4	276.1	278.1	263.5	259.7	259.3	264.6	279.9	301.1	293.2
327	299.5	299.7	299.8	302.7	289.6	290.7	288.5	277.3	276.1	277.0	263.5	258.6	259.3	263.3	279.9	300.1	292.5
328	298.4	298.6	298.8	301.6	289.6	289.4	287.4	276.3	275.0	275.7	262.4	257.5	258.1	262.2	278.8	299.0	291.4
329	297.3	297.5	297.7	301.6	288.1	288.3	287.4	276.3	273.9	275.7	261.3	257.5	257.0	261.1	277.5	299.0	290.9
330	296.2	296.4	296.6	300.6	287.1	287.2	286.3	275.2	273.9	274.6	261.3	256.5	257.0	261.1	276.3	297.9	290.2
331	296.2	295.3	296.6	299.3	287.1	287.2	285.3	274.1	272.8	274.6	260.2	255.4	255.9	260.1	276.3	296.8	289.3
332	295.2	295.3	295.5	298.2	286.0	286.2	285.3	274.1	271.8	273.6	259.2	255.4	254.8	260.1	275.2	295.6	288.7
333	294.1	294.3	294.4	298.2	284.9	285.1	284.2	272.7	271.8	272.5	259.2	254.1	254.8	258.8	274.1	295.6	287.6
334	293.0	293.2	293.4	297.1	284.9	285.1	283.1	272.7	270.7	271.4	258.1	253.0	253.8	257.7	274.1	294.4	287.0
335	293.0	293.2	293.4	295.9	283.8	284.0	282.0	271.6	269.6	271.4	256.8	253.0	252.7	257.7	272.8	293.3	286.4
336	291.9	292.1	292.3	295.9	282.7	282.7	282.0	270.5	269.6	270.3	256.8	252.0	252.7	256.5	272.8	293.3	285.6
337	290.8	290.8	291.2	294.8	281.7	282.7	280.9	269.4	268.3	269.1	255.7	250.9	251.4	255.4	271.8	292.2	284.7
338	290.8	290.8	290.1	293.7	281.7	281.7	279.7	269.4	267.3	269.1	255.7	250.9	250.2	255.4	270.7	291.2	284.0
339	289.8	289.8	290.1	293.7	280.6	280.6	279.7	268.3	266.2	267.8	254.7	249.8	250.2	254.3	269.6	290.1	282.9
340	288.7	288.7	288.9	292.5	279.5	279.5	278.4	267.3	266.2	266.7	253.6	248.7	249.1	253.2	269.6	290.1	282.3
341	287.6	287.6	287.8	291.4	278.4	279.5	277.3	266.2	265.1	266.7	252.3	247.6	248.0	253.2	268.5	289.0	281.4
342	287.6	287.6	287.8	290.3	277.3	278.4	277.3	265.1	264.0	265.5	252.3	247.6	248.0	252.0	267.3	287.9	280.8
343	286.5	286.5	286.5	290.3	277.3	277.3	276.1	265.1	264.0	265.5	251.2	246.6	246.7	250.7	266.2	286.8	279.9
344	285.4	285.4	285.4	289.2	276.3	276.3	274.8	264.0	262.9	264.4	250.2	246.6	245.7	250.7	266.2	286.8	279.4
345	284.4	285.4	285.4	288.1	275.2	276.3	274.8	262.9	261.9	263.3	250.2	245.5	244.6	249.6	265.1	285.8	278.5
346	284.4	284.4	284.4	287.1	275.2	275.0	273.7	262.9	260.8	262.2	249.1	244.4	244.6	248.5	264.0	284.7	277.6
347	283.3	283.3	283.3	287.1	274.1	275.0	272.7	261.9	260.8	262.2	249.1	243.3	243.5	248.5	264.0	284.7	277.3
348	282.2	282.0	283.3	286.0	272.8	273.7	272.7	260.8	259.7	261.1	247.8	243.3	242.4	247.5	262.9	283.5	275.8
349	282.2	282.0	282.2	284.9	272.8	272.7	271.4	260.8	258.6	261.1	247.8	242.2	242.4	246.4	261.9	282.4	275.9
350	281.1	280.9	281.1	283.8	271.6	272.7	270.3	259.7	258.6	260.1	246.7	241.2	241.3	246.4	261.9	282.4	274.8
351	279.9	279.9	280.0	283.8	271.6	271.6	270.3	258.6	257.5	259.0	245.7	241.2	241.3	245.1	260.8	281.3	273.8
352	279.9	279.9	280.0	282.6	270.5	270.5	269.1	257.5	256.5	259.0	245.7	239.9	240.3	245.1	259.7	280.2	273.4
353	278.8	278.8	279.0	281.5	269.4	270.5	269.1	257.5	256.5	257.7	244.6	239.9	239.2	243.9	258.6	280.2	272.5
354	277.7	277.7	277.9	281.5	269.4	269.4	268.0	256.5	255.2	256.6	243.5	238.8	239.2	242.8	258.6	279.1	271.6
355	276.6	277.7	277.9	280.4	268.3	268.3	266.9	256.5	255.2	256.6	243.5	237.6	238.1	242.8	257.4	278.0	271.1
356	276.6	276.6	276.8	280.4	267.3	268.3	266.9	255.4	254.1	255.6	242.4	237.6	237.0	241.7	256.3	278.0	270.6
357	275.5	275.5	275.7	279.1	267.3	267.3	265.8	254.3	254.1	255.6	242.4	236.5	237.0	241.7	256.3	276.9	269.7
358	275.5	275.5	275.7	277.9	266.2	266.2	264.7	254.3	252.9	254.1	241.3	236.5	235.9	240.4	255.2	275.7	269.2
359	274.3	274.5	274.6	277.9	265.1	266.2	264.7	253.2	251.8	254.1	240.3	235.4	235.9	239.4	254.1	275.7	268.4
360	273.2	273.4	273.6	276.8	265.1	265.1	263.7	252.0	251.8	253.0	240.3	235.4	234.9	239.4	254.1	274.6	267.7
361	273.2	273.4	273.6	275.7	264.0	264.0	262.6	252.0	250.7	252.0	239.2	234.3	233.8	238.3	253.0	273.4	267.1
362	272.1	272.3	272.3	275.7	262.8	264.0	262.6	250.9	249.6	252.0	238.1	233.2	233.8	238.3	253.0	273.4	266.6
363	272.1	272.3	272.3	274.6	262.8	262.8	261.5	250.9	249.6	250.7	238.1	233.2	232.7	237.2	252.0	272.4	265.9
364	270.9	271.0	271.2	273.6	261.7	262.8	261.5	249.8	248.5	250.7	237.0	232.2	232.7	236.1	250.9	271.4	265.1
365	269.6	269.8	270.1	273.6	261.7	261.7	260.4	248.7	248.5	249.6	237.0	231.1	231.6	236.1	250.9	271.4	264.4
366	269.6	269.8	270.1	272.5	260.6	261.7	259.2	248.7	247.5	248.5	235.9	231.1	231.6	235.0	249.6	270.2	263.8
367	268.5	268.7	268.9	271.4	259.5	260.6	259.2	247.6	246.4	248.5	235.9	231.1	230.5	235.0	249.6	269.2	263.1
368	268.5	268.7	268.9	271.4	259.5	259.3	258.1	247.6	246.4	247.5	234.9	230.0	229.5	234.0	248.5	269.2	262.8
369	267.3	267.4	267.8	270.3	258.4	259.3	258.1	246.6	245.3	247.5	234.9	228.9	229.5	234.0	247.3	268.1	261.9

370	266.2	267.4	266.7	269.2	257.4	258.3	257.0	245.5	245.3	246.4	233.8	228.9	228.4	232.9	247.3	268.1	260.9
371	266.2	266.2	266.7	269.2	257.4	258.3	257.0	245.5	244.2	246.4	232.7	227.8	228.4	231.8	246.0	267.0	260.5
372	265.1	265.1	265.6	268.0	256.3	257.0	255.9	244.4	243.1	245.3	232.7	227.8	227.3	231.8	246.0	265.8	259.8
373	265.1	265.1	265.6	268.0	256.3	257.0	254.8	244.4	243.1	244.2	231.6	226.8	227.3	230.7	244.9	265.8	260.2
374	264.0	264.0	264.6	266.9	255.2	255.9	254.8	243.3	242.1	244.2	231.6	226.8	226.0	230.7	244.9	264.8	258.8
375	262.9	264.0	264.6	266.9	255.2	255.9	253.8	243.3	242.1	243.1	230.5	225.7	225.0	229.6	243.9	264.8	258.1
376	262.9	262.9	263.5	265.6	254.1	254.8	253.8	242.2	241.0	243.1	230.5	225.7	225.0	229.6	243.9	263.7	257.6
377	261.7	261.9	262.4	264.6	253.0	253.8	252.7	241.0	239.9	242.1	229.5	224.6	225.0	228.6	242.8	262.5	256.7
378	261.7	261.9	262.4	264.6	253.0	253.8	251.6	241.0	239.9	241.0	229.5	223.5	223.9	228.6	241.7	262.5	256.4
379	260.4	260.8	261.3	263.5	252.0	252.7	251.6	239.9	238.8	241.0	228.2	223.5	222.8	227.5	241.7	261.5	255.1
380	260.4	260.8	260.2	263.5	252.0	252.7	250.5	239.9	238.8	239.9	228.2	222.4	222.8	227.5	240.6	261.5	255.1
381	259.3	259.7	260.2	262.0	250.9	251.6	250.5	238.6	237.7	239.9	226.8	222.4	221.7	226.2	240.6	260.2	254.3
382	259.3	258.6	259.2	262.0	249.8	251.6	249.4	238.6	237.7	238.8	226.8	221.4	221.7	226.2	239.5	260.2	253.4
383	258.3	258.6	259.2	261.0	249.8	250.5	248.4	237.6	236.7	238.8	225.7	221.4	220.6	225.1	239.5	259.2	253.2
384	257.2	257.5	258.1	261.0	248.5	249.4	248.4	237.6	236.7	237.7	225.7	220.3	220.6	225.1	238.5	258.1	252.6
385	257.2	257.5	257.0	259.7	248.5	249.4	247.3	236.5	235.6	237.7	224.6	220.3	219.6	224.1	238.5	258.1	251.4
386	256.1	256.5	257.0	259.7	247.3	248.4	247.3	236.5	234.5	236.7	224.6	219.2	219.6	223.0	237.4	257.0	251.4
387	256.1	256.5	255.9	258.6	247.3	248.4	246.0	235.4	234.5	235.6	223.5	219.2	218.5	223.0	236.3	257.0	250.7
388	255.0	255.4	255.9	257.5	246.2	247.3	246.0	235.4	234.5	235.6	223.5	218.1	218.5	223.0	236.3	255.7	250.3
389	255.0	255.4	254.8	257.5	246.2	247.3	244.9	234.3	233.4	234.5	222.4	218.1	218.5	221.7	235.2	255.7	249.8
390	253.9	254.1	254.8	256.3	244.9	246.2	244.9	233.2	232.3	234.5	222.4	217.0	217.4	221.7	235.2	254.5	249.1
391	253.9	254.1	253.6	256.3	244.9	245.1	243.9	233.2	232.3	233.4	221.2	217.0	217.4	220.6	234.1	254.5	248.7
392	252.9	253.0	253.6	255.2	243.9	245.1	243.9	232.2	231.3	233.4	221.2	217.0	216.3	220.6	234.1	253.4	248.1
393	251.8	253.0	252.5	255.2	243.9	244.0	242.8	232.2	231.3	233.4	220.1	216.0	216.3	219.6	233.1	253.4	247.5
394	251.8	252.0	252.5	254.1	242.8	244.0	242.8	231.1	231.3	232.3	220.1	216.0	215.2	219.6	233.1	252.3	247.0
395	250.7	252.0	251.4	254.1	242.8	243.0	241.5	231.1	230.2	231.3	220.1	214.9	215.2	218.5	232.0	252.3	246.5
396	250.7	250.9	251.4	253.0	241.5	243.0	241.5	230.0	230.2	231.3	219.0	214.9	214.2	218.5	232.0	251.2	245.5
397	249.6	249.8	250.3	253.0	241.5	241.7	240.4	230.0	229.1	230.2	217.9	213.8	214.2	217.4	230.9	251.2	245.1
398	249.6	249.8	250.3	252.0	240.4	241.7	240.4	228.9	229.1	230.2	217.9	213.8	213.1	217.4	230.9	250.1	244.7
399	248.5	249.8	249.3	250.9	240.4	240.6	239.4	228.9	227.8	230.2	216.9	212.7	213.1	216.3	229.8	250.1	244.3
400	248.5	248.5	248.2	250.9	239.4	240.6	239.4	227.8	227.8	229.1	216.9	212.7	212.0	216.3	229.8	249.0	243.5
401	247.3	248.5	248.2	249.8	239.4	239.5	238.3	227.8	226.8	227.8	215.8	211.6	212.0	215.2	228.7	249.0	243.0
402	247.3	247.3	248.2	249.8	238.3	239.5	238.3	227.8	226.8	227.8	215.8	211.6	212.0	215.2	228.7	247.9	242.8
403	246.2	247.3	246.9	248.7	238.3	239.5	237.2	226.6	225.7	227.8	215.8	210.6	210.7	214.2	227.7	246.7	241.9
404	246.2	246.2	246.9	248.7	238.3	238.3	237.2	226.6	225.7	226.6	214.7	210.6	210.7	214.2	227.7	246.7	241.7
405	245.1	246.2	245.8	247.6	237.0	238.3	236.1	225.5	224.6	226.6	214.7	210.6	209.7	213.1	226.6	246.7	240.9
406	245.1	245.1	245.8	247.6	237.0	237.2	236.1	225.5	224.6	225.5	213.6	209.5	209.7	213.1	226.6	245.7	240.2
407	243.9	245.1	244.8	246.6	235.9	237.2	235.0	224.4	223.5	225.5	213.6	209.5	209.7	213.1	225.5	245.7	240.2
408	243.9	243.9	244.8	246.6	234.9	236.1	235.0	224.4	223.5	224.4	212.5	208.4	208.6	212.0	224.4	244.5	239.5
409	242.8	243.9	243.5	245.5	234.9	236.1	235.0	223.3	223.5	224.4	212.5	208.4	208.6	212.0	224.4	244.5	239.1
410	242.8	242.8	243.5	245.5	234.9	235.0	233.8	223.3	222.4	223.3	212.5	207.3	207.5	210.7	224.4	243.4	238.6
411	242.8	242.8	242.4	244.4	233.8	235.0	233.8	222.3	221.4	223.3	211.5	207.3	207.5	210.7	223.3	243.4	238.0
412	241.7	241.5	242.4	244.4	233.8	234.0	232.7	222.3	221.4	223.3	211.5	206.2	206.4	209.7	223.3	242.2	237.4
413	241.7	241.5	241.3	243.3	232.7	234.0	232.7	221.2	221.4	222.3	210.4	206.2	206.4	209.7	222.3	242.2	236.8
414	240.6	240.4	241.3	243.3	232.7	232.9	231.6	221.2	220.3	221.2	210.4	206.2	205.3	209.7	222.3	241.0	236.6
415	239.5	240.4	240.3	242.2	231.6	232.9	231.6	220.1	220.3	221.2	209.1	205.2	205.3	208.6	221.2	241.0	235.6
416	239.5	240.4	240.3	242.2	231.6	231.8	230.5	220.1	219.2	221.2	209.1	205.2	205.3	208.6	221.2	239.9	235.6

417	238.5	239.4	239.2	241.2	230.5	231.8	230.5	220.1	219.2	220.1	209.1	204.1	204.3	207.5	220.1	239.9	234.5
418	238.5	238.3	239.2	241.2	230.5	230.7	229.3	219.0	217.9	220.1	208.0	204.1	204.3	207.5	220.1	238.8	234.5
419	238.5	238.3	238.1	240.1	229.5	230.7	229.3	219.0	217.9	219.0	208.0	204.1	203.2	206.4	219.0	238.8	234.0
420	237.4	238.3	238.1	240.1	229.5	230.7	229.3	217.9	217.9	219.0	207.0	203.0	203.2	206.4	219.0	238.8	233.6
421	237.4	237.2	237.0	238.8	228.4	229.5	228.2	217.9	216.9	217.9	207.0	203.0	203.2	206.4	217.9	237.8	232.8
422	236.3	237.2	237.0	238.8	228.4	229.5	228.2	216.9	216.9	217.9	205.9	201.9	202.1	205.3	217.9	236.8	232.4
423	236.3	236.1	237.0	237.7	227.3	228.4	227.1	216.9	215.8	217.9	205.9	201.9	202.1	205.3	217.9	236.8	232.2
424	235.2	236.1	235.9	237.7	227.3	228.4	227.1	215.8	215.8	216.9	205.9	200.8	201.0	204.3	216.9	236.8	231.5
425	235.2	235.0	235.9	237.7	227.3	227.3	226.0	215.8	214.7	216.9	204.6	200.8	201.0	204.3	216.9	235.7	231.2
426	234.1	235.0	234.7	236.5	226.0	227.3	226.0	215.8	214.7	215.8	204.6	200.8	199.9	204.3	215.8	235.7	231.4
427	234.1	234.0	234.7	236.5	226.0	227.3	225.0	214.5	214.7	215.8	204.6	199.8	199.9	203.2	215.8	234.6	229.8
428	233.1	234.0	233.6	235.4	225.0	226.2	225.0	214.5	213.6	214.5	203.5	199.8	199.9	203.2	214.7	234.6	229.7
429	233.1	232.9	233.6	235.4	225.0	225.1	223.9	213.3	212.5	214.5	203.5	198.7	198.9	202.1	214.7	233.6	229.0
430	232.0	232.9	232.5	234.3	223.9	225.1	223.9	213.3	212.5	214.5	202.5	198.7	198.9	202.1	214.7	233.6	228.5
431	232.0	231.8	232.5	234.3	223.9	224.1	223.9	212.2	212.5	213.4	202.5	198.7	197.8	202.1	213.6	232.5	228.2
432	230.9	231.8	232.5	233.2	223.9	224.1	222.8	212.2	211.5	213.4	201.4	197.6	197.8	201.0	213.6	232.5	227.5
433	230.9	230.7	231.4	233.2	222.8	224.1	222.8	212.2	211.5	212.4	201.4	197.6	197.8	201.0	212.5	231.4	227.4
434	230.9	230.7	231.4	232.2	222.8	223.0	221.7	211.1	210.4	212.4	201.4	197.6	196.7	199.9	212.5	231.4	226.5
435	229.8	230.7	230.4	232.2	221.7	223.0	221.7	211.1	210.4	212.4	200.3	196.5	196.7	199.9	211.5	230.3	226.5
436	229.8	229.6	230.4	231.1	221.7	223.0	220.6	211.1	210.4	211.3	200.3	196.5	195.6	198.9	211.5	230.3	226.0
437	228.7	229.6	229.3	231.1	220.6	221.9	220.6	210.0	209.3	211.3	199.2	195.4	195.6	198.9	211.5	230.3	225.5
438	228.7	228.6	229.3	231.1	220.6	221.9	219.6	210.0	209.3	210.2	199.2	195.4	195.6	198.9	210.4	229.3	224.9
439	227.3	228.6	229.3	230.0	219.6	220.8	219.6	208.9	208.2	210.2	199.2	195.4	194.5	197.8	210.4	229.3	224.6
440	227.3	227.5	228.0	230.0	219.6	220.8	219.6	208.9	208.2	209.1	198.0	194.4	194.5	197.8	209.3	228.2	224.1
441	227.3	227.5	228.0	228.9	219.6	219.7	218.5	208.9	208.2	209.1	198.0	194.4	194.5	197.8	209.3	228.2	223.8
442	226.2	227.5	226.9	228.9	218.5	219.7	218.5	207.9	207.1	209.1	198.0	193.3	193.5	196.7	208.2	227.1	223.4
443	226.2	226.4	226.9	227.8	218.5	219.7	217.4	207.9	207.1	208.0	196.9	193.3	193.5	196.7	208.2	227.1	222.9
444	226.2	226.4	226.9	227.8	217.4	218.7	217.4	206.8	206.1	208.0	196.9	193.3	193.5	195.6	208.2	227.1	222.5
445	225.1	225.3	225.7	227.8	217.4	218.7	217.4	206.8	206.1	208.0	196.9	193.3	192.4	195.6	207.1	225.9	222.2
446	225.1	225.3	225.7	226.8	217.4	217.4	216.3	206.8	206.1	207.0	195.8	192.0	192.4	195.6	207.1	225.9	221.8
447	223.9	225.3	224.6	226.8	216.3	217.4	216.3	205.5	205.0	207.0	195.8	192.0	191.3	194.5	206.1	224.9	221.1
448	223.9	224.1	224.6	225.7	216.3	217.4	216.3	205.5	205.0	205.9	195.8	190.9	191.3	194.5	206.1	224.9	221.0
449	223.9	224.1	224.6	225.7	216.3	216.3	215.2	205.5	205.0	205.9	194.7	190.9	191.3	194.5	206.1	223.8	220.5
450	222.8	223.0	223.5	225.7	215.1	216.3	215.2	204.4	203.9	205.9	194.7	190.9	190.2	193.5	205.0	223.8	219.8
451	222.8	223.0	223.5	224.4	215.1	216.3	214.2	204.4	203.9	204.8	193.6	189.9	190.2	193.5	205.0	223.8	219.4
452	221.7	223.0	222.4	224.4	214.0	215.2	214.2	204.4	203.9	204.8	193.6	189.9	190.2	193.5	205.0	222.8	219.2
453	221.7	221.9	222.4	223.3	214.0	215.2	214.2	203.2	202.6	204.8	193.6	189.9	189.1	192.4	203.9	222.8	218.6
454	220.6	221.9	222.4	223.3	214.0	214.2	213.1	203.2	202.6	203.7	192.6	188.8	189.1	192.4	203.9	221.8	218.3
455	220.6	220.8	221.2	223.3	212.9	214.2	213.1	202.1	201.6	203.7	192.6	188.8	189.1	191.3	202.8	221.8	217.8
456	220.6	220.8	221.2	222.3	212.9	213.1	212.0	202.1	201.6	202.6	192.6	188.8	188.1	191.3	202.8	221.8	217.3
457	219.6	219.7	221.2	222.3	211.8	213.1	212.0	202.1	201.6	202.6	191.5	187.7	188.1	191.3	202.8	220.6	217.0
458	219.6	219.7	220.1	221.2	211.8	213.1	212.0	201.0	200.5	202.6	191.5	187.7	188.1	190.2	201.7	220.6	216.6
459	219.6	219.7	220.1	221.2	211.8	212.0	210.7	201.0	200.5	201.6	190.4	187.7	186.8	190.2	201.7	219.5	216.3
460	218.5	218.7	219.0	221.2	210.7	212.0	210.7	201.0	200.5	201.6	190.4	186.6	186.8	190.2	201.7	219.5	216.0
461	218.5	218.7	219.0	220.1	210.7	212.0	210.7	199.9	199.4	200.5	190.4	186.6	186.8	189.1	200.7	219.5	215.2
462	217.4	218.7	219.0	220.1	209.7	210.9	209.7	199.9	199.4	200.5	190.4	186.6	186.8	189.1	200.7	218.5	215.2
463	217.4	217.4	217.9	219.0	209.7	210.9	209.7	199.9	199.4	200.5	189.3	185.5	185.7	189.1	199.6	218.5	214.6

464	217.4	217.4	217.9	219.0	209.7	209.8	209.7	198.9	198.3	199.4	189.3	185.5	185.7	188.1	199.6	217.4	214.2
465	216.3	217.4	216.9	219.0	209.7	209.8	208.4	198.9	198.3	199.4	189.3	185.5	185.7	188.1	199.6	217.4	213.8
466	216.3	216.3	216.9	217.9	208.4	209.8	208.4	197.8	198.3	199.4	188.2	184.5	184.6	188.1	198.5	217.4	213.5
467	215.2	216.3	216.9	217.9	208.4	208.8	208.4	197.8	197.2	198.3	188.2	184.5	184.6	187.0	198.5	216.3	212.4
468	215.2	215.2	215.8	216.9	207.3	208.8	207.1	197.8	197.2	198.3	187.2	184.5	184.6	187.0	198.5	216.3	212.7
469	215.2	215.2	215.8	216.9	207.3	208.8	207.1	196.7	196.2	198.3	187.2	183.4	183.6	187.0	197.4	216.3	212.3
470	214.2	215.2	215.8	216.9	207.3	207.7	207.1	196.7	196.2	197.2	187.2	183.4	183.6	185.9	197.4	215.2	211.7
471	214.2	214.2	214.7	215.8	206.2	207.7	206.1	196.7	196.2	197.2	186.1	183.4	183.6	185.9	196.3	215.2	211.5
472	214.2	214.2	214.7	215.8	206.2	207.7	206.1	195.6	195.1	197.2	186.1	182.3	182.5	185.9	196.3	214.2	211.3
473	213.1	214.2	214.7	215.8	206.2	206.6	206.1	195.6	195.1	196.2	186.1	182.3	182.5	184.8	196.3	214.2	211.0
474	213.1	213.1	213.6	214.7	205.2	206.6	205.0	195.6	195.1	196.2	186.1	182.3	182.5	184.8	195.3	214.2	210.7
475	212.0	213.1	213.6	214.7	205.2	205.5	205.0	194.5	194.0	196.2	185.0	181.2	181.4	184.8	195.3	213.1	210.1
476	212.0	212.0	212.5	214.7	205.2	205.5	205.0	194.5	194.0	195.1	185.0	181.2	181.4	183.7	195.3	213.1	209.9
477	212.0	212.0	212.5	213.6	204.1	205.5	203.9	194.5	194.0	195.1	185.0	181.2	181.4	183.7	194.2	212.0	209.5
478	210.9	212.0	212.5	213.6	204.1	204.4	203.9	193.5	192.9	195.1	183.9	180.1	180.3	183.7	194.2	212.0	209.0
479	210.9	210.9	211.5	212.5	204.1	204.4	203.9	193.5	192.9	194.0	183.9	180.1	180.3	182.7	194.2	212.0	208.6
480	210.9	210.9	211.5	212.5	203.0	204.4	202.8	193.5	192.9	194.0	183.9	180.1	180.3	182.7	193.1	211.0	208.2
481	209.8	210.9	211.5	212.5	203.0	203.4	202.8	192.4	191.8	194.0	182.8	180.1	179.2	182.7	193.1	211.0	207.7
482	209.8	209.8	210.4	211.5	201.9	203.4	202.8	192.4	191.8	192.9	182.8	179.1	179.2	181.6	193.1	211.0	207.5
483	209.8	209.8	210.4	211.5	201.9	203.4	201.6	191.3	191.8	192.9	182.8	179.1	179.2	181.6	192.0	209.9	207.2
484	208.8	209.8	210.4	210.4	201.9	202.3	201.6	191.3	190.8	192.9	181.8	179.1	178.2	181.6	192.0	209.9	206.8
485	208.8	208.8	209.3	210.4	200.8	202.3	201.6	191.3	190.8	191.8	181.8	178.0	178.2	181.6	192.0	209.9	206.5
486	208.8	208.8	209.3	210.4	200.8	202.3	200.5	191.3	190.8	191.8	181.8	178.0	178.2	180.5	190.9	208.9	205.7
487	207.7	208.8	208.2	209.3	200.8	201.2	200.5	190.2	189.7	191.8	180.7	178.0	177.1	180.5	190.9	208.9	205.5
488	207.7	207.7	208.2	209.3	200.8	201.2	200.5	190.2	189.7	190.8	180.7	176.9	177.1	180.5	190.9	207.8	205.4
489	206.6	207.7	208.2	209.3	199.6	201.2	199.4	190.2	189.7	190.8	180.7	176.9	177.1	179.4	189.9	207.8	205.0
490	206.6	206.6	207.1	208.2	199.6	200.1	199.4	189.1	188.6	190.8	180.7	176.9	177.1	179.4	189.9	207.8	204.5
491	206.6	206.6	207.1	208.2	199.6	200.1	199.4	189.1	188.6	189.7	179.6	175.8	176.0	179.4	189.9	206.8	204.4
492	205.5	206.6	207.1	208.2	198.5	200.1	198.3	189.1	188.6	189.7	179.6	175.8	176.0	178.3	188.8	206.8	204.0
493	205.5	205.5	206.1	207.1	198.5	199.0	198.3	188.1	188.6	189.7	179.6	175.8	176.0	178.3	188.8	206.8	203.7
494	204.4	205.5	206.1	207.1	197.4	199.0	198.3	188.1	187.5	188.6	178.5	175.8	174.9	178.3	188.8	205.7	202.9
495	204.4	205.5	206.1	207.1	197.4	199.0	197.2	188.1	187.5	188.6	178.5	174.7	174.9	178.3	187.7	205.7	202.9
496	204.4	204.4	205.0	206.1	197.4	198.0	197.2	186.8	187.5	188.6	178.5	174.7	174.9	177.3	187.7	205.7	202.5
497	204.4	204.4	205.0	206.1	197.4	198.0	197.2	186.8	186.4	188.6	177.4	174.7	173.8	177.3	187.7	204.6	202.4
498	203.4	204.4	205.0	206.1	196.3	198.0	196.2	186.8	186.4	187.5	177.4	173.7	173.8	177.3	186.6	204.6	202.0
499	203.4	203.4	203.9	205.0	196.3	196.9	196.2	186.8	186.4	187.5	177.4	173.7	173.8	176.2	186.6	204.6	201.5
500	203.4	203.4	203.9	205.0	195.3	196.9	196.2	185.7	185.4	187.5	177.4	173.7	173.8	176.2	186.6	203.6	201.1
501	202.3	203.4	203.9	205.0	195.3	196.9	195.1	185.7	185.4	186.4	176.4	173.7	172.8	176.2	185.5	203.6	200.8
502	202.3	202.3	202.8	203.7	195.3	195.8	195.1	185.7	185.4	186.4	176.4	172.6	172.8	175.1	185.5	203.6	200.3
503	202.3	202.3	202.8	203.7	195.3	195.8	195.1	184.6	185.4	186.4	176.4	172.6	172.8	175.1	185.5	202.5	200.2
504	201.2	202.3	202.8	203.7	194.2	195.8	194.0	184.6	184.3	185.4	176.4	172.6	172.8	175.1	185.5	202.5	200.1
505	201.2	201.2	201.7	202.6	194.2	194.7	194.0	184.6	184.3	185.4	175.3	172.6	171.7	175.1	184.5	202.5	200.2
506	201.2	201.2	201.7	202.6	194.2	194.7	194.0	183.6	184.3	185.4	175.3	171.5	171.7	174.0	184.5	201.4	198.8
507	200.1	201.2	201.7	202.6	193.1	194.7	194.0	183.6	183.2	185.4	175.3	171.5	171.7	174.0	184.5	201.4	199.0
508	200.1	201.2	200.7	201.6	193.1	193.6	192.9	183.6	183.2	184.3	174.2	171.5	171.7	174.0	183.4	201.4	198.5
509	200.1	199.9	200.7	201.6	193.1	193.6	192.9	183.6	183.2	184.3	174.2	171.5	170.6	174.0	183.4	200.3	198.3
510	199.0	199.9	200.7	201.6	191.8	193.6	192.9	182.5	182.1	184.3	174.2	170.4	170.6	172.9	183.4	200.3	197.8

511	199.0	199.9	200.7	201.6	191.8	193.6	191.8	182.5	182.1	183.2	174.2	170.4	170.6	172.9	182.3	200.3	197.5
512	199.0	198.9	199.6	200.5	191.8	192.6	191.8	182.5	182.1	183.2	173.1	170.4	169.5	172.9	182.3	199.2	197.2
513	199.0	198.9	199.6	200.5	191.8	192.6	191.8	181.4	182.1	183.2	173.1	170.4	169.5	171.9	182.3	199.2	197.1
514	198.0	198.9	199.6	200.5	190.8	192.6	191.8	181.4	181.0	182.1	173.1	169.3	169.5	171.9	182.3	199.2	196.7
515	198.0	198.9	198.5	199.4	190.8	191.5	190.8	181.4	181.0	182.1	173.1	169.3	169.5	171.9	181.2	199.2	196.3
516	198.0	197.8	198.5	199.4	190.8	191.5	190.8	181.4	181.0	182.1	172.0	169.3	168.4	171.9	181.2	198.1	196.2
517	196.9	197.8	198.5	199.4	190.8	191.5	190.8	180.3	181.0	182.1	172.0	169.3	168.4	170.8	181.2	198.1	196.0
518	196.9	197.8	197.4	198.3	189.7	190.4	189.7	180.3	180.0	181.0	172.0	168.3	168.4	170.8	180.1	198.1	195.2
519	196.9	196.7	197.4	198.3	189.7	190.4	189.7	180.3	180.0	181.0	172.0	168.3	168.4	170.8	180.1	197.1	195.2
520	196.9	196.7	197.4	198.3	189.7	190.4	189.7	180.3	180.0	181.0	171.0	168.3	167.4	170.8	180.1	197.1	195.3
521	195.8	196.7	197.4	197.2	188.6	190.4	188.6	179.2	178.9	181.0	171.0	167.2	167.4	169.7	179.1	197.1	194.4
522	195.8	195.6	196.3	197.2	188.6	189.3	188.6	179.2	178.9	180.0	171.0	167.2	167.4	169.7	179.1	196.0	193.6
523	194.7	195.6	196.3	197.2	188.6	189.3	188.6	179.2	178.9	180.0	171.0	167.2	167.4	169.7	179.1	196.0	194.1
524	194.7	195.6	196.3	196.2	187.5	189.3	188.6	178.2	178.9	180.0	169.9	167.2	166.3	169.7	179.1	196.0	193.9
525	194.7	194.5	195.3	196.2	187.5	188.2	187.5	178.2	177.8	178.9	169.9	167.2	166.3	169.7	179.1	195.0	193.2
526	194.7	194.5	195.3	196.2	187.5	188.2	187.5	178.2	177.8	178.9	169.9	166.1	166.3	168.6	178.0	195.0	193.0
527	193.6	194.5	195.3	196.2	187.5	188.2	187.5	178.2	177.8	178.9	169.9	166.1	166.3	168.6	178.0	195.0	193.1
528	193.6	194.5	194.2	195.1	186.4	187.2	186.4	177.1	176.7	178.9	168.6	166.1	166.3	168.6	178.0	195.0	192.4
529	193.6	193.5	194.2	195.1	186.4	187.2	186.4	177.1	176.7	177.8	168.6	166.1	165.2	167.5	176.9	193.8	191.9
530	193.6	193.5	194.2	195.1	186.4	187.2	186.4	177.1	176.7	177.8	168.6	165.0	165.2	167.5	176.9	193.8	192.0
531	192.6	193.5	194.2	195.1	185.4	187.2	186.4	177.1	176.7	177.8	168.6	165.0	165.2	167.5	176.9	193.8	191.6
532	192.6	193.5	192.9	194.0	185.4	186.1	185.4	176.0	175.6	177.8	167.5	165.0	165.2	167.5	176.9	193.8	190.9
533	192.6	192.4	192.9	194.0	185.4	186.1	185.4	176.0	175.6	176.7	167.5	165.0	164.1	166.5	175.8	192.7	190.9
534	191.5	192.4	192.9	194.0	185.4	186.1	185.4	176.0	175.6	176.7	167.5	163.8	164.1	166.5	175.8	192.7	191.0
535	191.5	192.4	192.9	192.9	184.3	186.1	185.4	176.0	175.6	176.7	167.5	163.8	164.1	166.5	175.8	192.7	190.7
536	191.5	191.3	191.8	192.9	184.3	185.0	184.3	174.9	174.6	176.7	167.5	163.8	164.1	166.5	175.8	191.6	190.3
537	190.4	191.3	191.8	192.9	184.3	185.0	184.3	174.9	174.6	175.6	166.5	163.8	163.0	165.4	174.7	191.6	189.8
538	190.4	191.3	191.8	192.9	184.3	185.0	184.3	174.9	174.6	175.6	166.5	163.8	163.0	165.4	174.7	191.6	189.5
539	190.4	191.3	190.8	191.8	183.2	185.0	184.3	174.9	174.6	175.6	166.5	162.7	163.0	165.4	174.7	191.6	189.4
540	190.4	190.2	190.8	191.8	183.2	183.9	183.2	173.8	174.6	175.6	166.5	162.7	163.0	165.4	173.7	190.5	189.2
541	190.4	190.2	190.8	191.8	183.2	183.9	183.2	173.8	173.5	174.6	166.5	162.7	162.0	164.3	173.7	190.5	188.9
542	189.3	190.2	190.8	190.8	183.2	183.9	183.2	173.8	173.5	174.6	165.4	162.7	162.0	164.3	173.7	190.5	188.8
543	189.3	189.1	189.7	190.8	182.1	182.8	183.2	173.8	173.5	174.6	165.4	162.7	162.0	164.3	173.7	189.5	187.9
544	189.3	189.1	189.7	190.8	182.1	182.8	181.9	172.8	172.4	174.6	165.4	161.6	162.0	164.3	173.7	189.5	188.2
545	188.2	189.1	189.7	190.8	182.1	182.8	181.9	172.8	172.4	173.5	164.3	161.6	160.9	164.3	172.6	189.5	187.6
546	188.2	188.1	189.7	189.7	182.1	182.8	181.9	172.8	172.4	173.5	164.3	161.6	160.9	163.2	172.6	189.5	187.5
547	188.2	188.1	188.6	189.7	181.0	181.8	181.9	172.8	172.4	173.5	164.3	161.6	160.9	163.2	172.6	188.4	187.2
548	188.2	188.1	188.6	189.7	181.0	181.8	180.9	171.7	171.3	173.5	164.3	160.5	160.9	163.2	172.6	188.4	187.7
549	187.2	188.1	188.6	188.6	181.0	181.8	180.9	171.7	171.3	172.4	164.3	160.5	160.9	163.2	171.5	188.4	186.6
550	187.2	187.0	188.6	188.6	181.0	181.8	180.9	171.7	171.3	172.4	163.2	160.5	159.8	163.2	171.5	188.4	186.3
551	187.2	187.0	187.5	188.6	180.0	180.7	180.9	171.7	171.3	172.4	163.2	160.5	159.8	162.1	171.5	187.3	185.8
552	186.1	187.0	187.5	188.6	180.0	180.7	179.8	170.6	171.3	172.4	163.2	159.4	159.8	162.1	171.5	187.3	186.1
553	186.1	187.0	187.5	187.5	180.0	180.7	179.8	170.6	170.2	171.3	163.2	159.4	159.8	162.1	170.4	187.3	185.8
554	186.1	187.0	187.5	187.5	178.9	180.7	179.8	170.6	170.2	171.3	162.1	159.4	159.8	162.1	170.4	187.3	185.5
555	186.1	185.9	186.4	187.5	178.9	179.6	179.8	170.6	170.2	171.3	162.1	159.4	158.7	161.1	170.4	186.3	184.7
556	185.0	185.9	186.4	187.5	178.9	179.6	178.7	169.5	170.2	171.3	162.1	159.4	158.7	161.1	170.4	186.3	185.1
557	185.0	185.9	186.4	186.4	178.9	179.6	178.7	169.5	169.2	170.2	162.1	159.4	158.7	161.1	169.3	186.3	184.5

558	185.0	184.8	185.4	186.4	178.9	179.6	178.7	169.5	169.2	170.2	162.1	158.4	158.7	161.1	169.3	185.3	184.3
559	185.0	184.8	185.4	186.4	177.8	178.5	178.7	169.5	169.2	170.2	161.1	158.4	157.6	160.0	169.3	185.3	183.8
560	183.9	184.8	185.4	186.4	177.8	178.5	177.6	168.4	169.2	170.2	161.1	158.4	157.6	160.0	169.3	185.3	183.9
561	183.9	184.8	185.4	185.4	177.8	178.5	177.6	168.4	168.1	169.2	161.1	158.4	157.6	160.0	168.3	185.3	183.5
562	183.9	183.7	185.4	185.4	177.8	178.5	177.6	168.4	168.1	169.2	161.1	157.3	157.6	160.0	168.3	184.2	182.9
563	183.9	183.7	184.3	185.4	176.7	177.4	177.6	168.4	168.1	169.2	161.1	157.3	157.6	160.0	168.3	184.2	183.1
564	182.8	183.7	184.3	185.4	176.7	177.4	176.4	168.4	168.1	169.2	160.0	157.3	156.6	158.9	168.3	184.2	182.7
565	182.8	183.7	184.3	184.3	176.7	177.4	176.4	167.4	167.0	169.2	160.0	157.3	156.6	158.9	167.2	184.2	182.7
566	182.8	182.7	183.2	184.3	175.6	177.4	176.4	167.4	167.0	167.9	160.0	157.3	156.6	158.9	167.2	183.2	182.4
567	182.8	182.7	183.2	184.3	175.6	176.4	176.4	167.4	167.0	167.9	160.0	156.2	156.6	158.9	167.2	183.2	182.3
568	181.8	182.7	183.2	184.3	175.6	176.4	176.4	167.4	167.0	167.9	160.0	156.2	156.6	157.8	167.2	183.2	182.0
569	181.8	182.7	183.2	183.2	175.6	176.4	175.3	166.3	167.0	167.9	158.9	156.2	155.5	157.8	167.2	182.1	181.5
570	181.8	181.6	183.2	183.2	175.6	176.4	175.3	166.3	165.9	167.9	158.9	156.2	155.5	157.8	166.1	182.1	181.5
571	181.8	181.6	181.9	183.2	174.6	176.4	175.3	166.3	165.9	166.8	158.9	156.2	155.5	157.8	166.1	182.1	181.1
572	180.7	181.6	181.9	183.2	174.6	175.1	175.3	166.3	165.9	166.8	158.9	155.1	155.5	157.8	166.1	182.1	181.0
573	180.7	181.6	181.9	182.1	174.6	175.1	175.3	166.3	165.9	166.8	158.9	155.1	155.5	156.7	166.1	182.1	180.9
574	180.7	181.6	181.9	182.1	174.6	175.1	174.2	166.3	165.9	166.8	157.8	155.1	154.4	156.7	165.0	181.0	180.3
575	180.7	180.5	180.9	182.1	174.6	175.1	174.2	165.2	164.8	166.8	157.8	155.1	154.4	156.7	165.0	181.0	180.3
576	179.6	180.5	180.9	182.1	173.5	175.1	174.2	165.2	164.8	165.7	157.8	155.1	154.4	156.7	165.0	181.0	179.9
577	179.6	180.5	180.9	180.9	173.5	174.0	174.2	165.2	164.8	165.7	157.8	154.0	154.4	156.7	165.0	181.0	179.8
578	179.6	179.4	180.9	180.9	173.5	174.0	173.1	165.2	164.8	165.7	157.8	154.0	154.4	156.7	163.9	180.0	179.6
579	179.6	179.4	179.8	180.9	173.5	174.0	173.1	164.1	163.8	165.7	156.7	154.0	153.1	155.7	163.9	180.0	179.2
580	178.5	179.4	179.8	180.9	172.4	174.0	173.1	164.1	163.8	165.7	156.7	154.0	153.1	155.7	163.9	180.0	179.0
581	178.5	179.4	179.8	180.9	172.4	172.9	173.1	164.1	163.8	164.7	156.7	154.0	153.1	155.7	163.9	180.0	179.0
582	178.5	178.3	179.8	179.8	172.4	172.9	173.1	164.1	163.8	164.7	156.7	153.0	153.1	155.7	163.9	178.9	178.8
583	178.5	178.3	179.8	179.8	172.4	172.9	172.0	164.1	163.8	164.7	156.7	153.0	153.1	154.6	163.9	178.9	178.5
584	178.5	178.3	178.7	179.8	171.3	172.9	172.0	163.0	162.7	164.7	155.7	153.0	153.1	154.6	162.9	178.9	177.9
585	177.4	178.3	178.7	178.7	171.3	171.9	172.0	163.0	162.7	163.6	155.7	153.0	152.1	154.6	162.9	178.9	177.8
586	177.4	178.3	178.7	178.7	171.3	171.9	172.0	163.0	162.7	163.6	155.7	153.0	152.1	154.6	162.9	177.9	177.8
587	177.4	177.3	178.7	178.7	171.3	171.9	171.0	163.0	162.7	163.6	155.7	153.0	152.1	154.6	162.9	177.9	177.6
588	177.4	177.3	177.6	178.7	171.3	171.9	171.0	163.0	162.7	163.6	155.7	151.9	152.1	154.6	162.9	177.9	176.9
589	176.4	177.3	177.6	178.7	170.2	171.9	171.0	163.0	161.6	163.6	155.7	151.9	152.1	153.5	161.8	177.9	177.2
590	176.4	177.3	177.6	177.6	170.2	170.8	171.0	162.0	161.6	162.5	154.6	151.9	151.0	153.5	161.8	176.9	176.7
591	176.4	176.2	177.6	177.6	170.2	170.8	171.0	162.0	161.6	162.5	154.6	151.9	151.0	153.5	161.8	176.9	176.5
592	176.4	176.2	176.5	177.6	170.2	170.8	169.9	162.0	161.6	162.5	154.6	151.9	151.0	153.5	161.8	176.9	176.3
593	176.4	176.2	176.5	177.6	169.2	170.8	169.9	160.9	160.5	162.5	154.6	150.8	151.0	153.5	160.5	176.9	175.7
594	175.3	176.2	176.5	177.6	169.2	170.8	169.9	160.9	160.5	162.5	154.6	150.8	151.0	152.4	160.5	175.8	176.0
595	175.3	175.1	176.5	176.5	169.2	169.5	169.9	160.9	160.5	161.4	153.5	150.8	151.0	152.4	160.5	175.8	175.5
596	175.3	175.1	176.5	176.5	169.2	169.5	168.8	160.9	160.5	161.4	153.5	150.8	149.9	152.4	160.5	175.8	175.2
597	175.3	175.1	175.5	176.5	169.2	169.5	168.8	160.9	160.5	161.4	153.5	150.8	149.9	152.4	160.5	175.8	175.4
598	174.2	175.1	175.5	176.5	168.1	169.5	168.8	159.8	159.4	161.4	153.5	149.7	149.9	152.4	159.4	175.8	175.1
599	174.2	175.1	175.5	175.5	168.1	169.5	168.8	159.8	159.4	161.4	153.5	149.7	149.9	151.3	159.4	174.8	174.7
600	174.2	175.1	175.5	175.5	168.1	168.4	168.8	159.8	159.4	161.4	152.4	149.7	149.9	151.3	159.4	174.8	175.3
601	174.2	174.0	175.5	175.5	168.1	168.4	167.7	159.8	159.4	160.3	152.4	149.7	148.8	151.3	159.4	174.8	173.6
602	174.2	174.0	174.4	175.5	167.0	168.4	167.7	159.8	159.4	160.3	152.4	149.7	148.8	151.3	159.4	174.8	173.6
603	173.1	174.0	174.4	174.4	167.0	168.4	167.7	159.8	159.4	160.3	152.4	149.7	148.8	151.3	159.4	173.8	174.0
604	173.1	174.0	174.4	174.4	167.0	167.4	167.7	158.7	158.4	160.3	152.4	148.6	148.8	150.3	158.4	173.8	173.7

605	173.1	172.8	174.4	174.4	167.0	167.4	167.7	158.7	158.4	160.3	152.4	148.6	148.8	150.3	158.4	173.8	173.5
606	173.1	172.8	173.3	174.4	167.0	167.4	166.6	158.7	158.4	159.3	151.3	148.6	148.8	150.3	158.4	173.8	173.1
607	172.0	172.8	173.3	174.4	165.9	167.4	166.6	158.7	158.4	159.3	151.3	148.6	147.7	150.3	158.4	172.7	173.1
608	172.0	172.8	173.3	173.3	165.9	167.4	166.6	158.7	158.4	159.3	151.3	148.6	147.7	150.3	157.3	172.7	172.7
609	172.0	171.7	173.3	173.3	165.9	166.3	166.6	157.6	157.3	159.3	151.3	148.6	147.7	150.3	157.3	172.7	172.6
610	172.0	171.7	172.2	173.3	165.9	166.3	165.6	157.6	157.3	158.2	150.3	147.6	147.7	149.2	157.3	172.7	172.3
611	172.0	171.7	172.2	173.3	165.9	166.3	165.6	157.6	157.3	158.2	150.3	147.6	147.7	149.2	157.3	172.7	172.1
612	171.0	171.7	172.2	172.2	164.8	166.3	165.6	157.6	157.3	158.2	150.3	147.6	146.7	149.2	157.3	171.6	172.2
613	171.0	171.7	172.2	172.2	164.8	166.3	165.6	157.6	157.3	158.2	150.3	147.6	146.7	149.2	157.3	171.6	171.9
614	171.0	171.7	172.2	172.2	164.8	165.2	165.6	156.6	157.3	158.2	150.3	147.6	146.7	149.2	156.2	171.6	171.6
615	171.0	170.6	171.1	172.2	164.8	165.2	165.6	156.6	156.2	158.2	150.3	146.5	146.7	149.2	156.2	171.6	171.2
616	171.0	170.6	171.1	172.2	164.8	165.2	164.5	156.6	156.2	157.1	150.3	146.5	146.7	148.1	156.2	171.6	171.0
617	171.0	170.6	171.1	171.1	163.8	165.2	164.5	156.6	156.2	157.1	149.2	146.5	146.7	148.1	156.2	170.6	171.0
618	169.7	170.6	171.1	171.1	163.8	165.2	164.5	156.6	156.2	157.1	149.2	146.5	146.7	148.1	156.2	170.6	170.7
619	169.7	170.6	171.1	171.1	163.8	164.1	164.5	155.5	155.1	157.1	149.2	146.5	145.6	148.1	155.1	170.6	170.5
620	169.7	169.5	170.1	171.1	163.8	164.1	163.4	155.5	155.1	157.1	149.2	146.5	145.6	148.1	155.1	170.6	170.1
621	169.7	169.5	170.1	171.1	163.8	164.1	163.4	155.5	155.1	156.0	149.2	146.5	145.6	148.1	155.1	170.6	170.4
622	169.7	169.5	170.1	170.1	162.7	164.1	163.4	155.5	155.1	156.0	149.2	145.4	145.6	147.0	155.1	169.4	170.0
623	168.6	169.5	170.1	170.1	162.7	164.1	163.4	155.5	155.1	156.0	148.1	145.4	145.6	147.0	155.1	169.4	169.6
624	168.6	168.4	170.1	170.1	162.7	163.0	163.4	155.5	155.1	156.0	148.1	145.4	145.6	147.0	154.0	169.4	169.5
625	168.6	168.4	169.0	170.1	162.7	163.0	163.4	154.4	154.0	156.0	148.1	145.4	145.6	147.0	154.0	169.4	169.3
626	168.6	168.4	169.0	169.0	162.7	163.0	162.3	154.4	154.0	156.0	148.1	145.4	144.5	147.0	154.0	169.4	169.1
627	167.5	168.4	169.0	169.0	162.7	163.0	162.3	154.4	154.0	154.9	148.1	145.4	144.5	147.0	154.0	168.4	168.7
628	167.5	168.4	169.0	169.0	161.6	163.0	162.3	154.4	154.0	154.9	148.1	145.4	144.5	147.0	154.0	168.4	168.8
629	167.5	168.4	169.0	169.0	161.6	163.0	162.3	154.4	154.0	154.9	147.0	144.3	144.5	145.9	154.0	168.4	168.7
630	167.5	167.4	167.9	169.0	161.6	163.0	162.3	154.4	154.0	154.9	147.0	144.3	144.5	145.9	154.0	168.4	168.5
631	167.5	167.4	167.9	169.0	161.6	162.0	162.3	154.4	154.0	154.9	147.0	144.3	144.5	145.9	153.0	168.4	168.5
632	167.5	167.4	167.9	167.9	161.6	162.0	161.2	153.3	153.0	154.9	147.0	144.3	144.5	145.9	153.0	167.3	168.1
633	166.5	167.4	167.9	167.9	160.5	162.0	161.2	153.3	153.0	153.9	147.0	144.3	144.5	145.9	153.0	167.3	167.6
634	166.5	167.4	167.9	167.9	160.5	162.0	161.2	153.3	153.0	153.9	147.0	144.3	144.5	145.9	153.0	167.3	167.6
635	166.5	167.4	167.9	167.9	160.5	162.0	161.2	153.3	153.0	153.9	147.0	144.3	144.5	145.9	153.0	167.3	168.0
636	166.5	166.3	166.8	167.9	160.5	160.9	161.2	153.3	153.0	153.9	147.0	144.3	144.5	145.9	153.0	167.3	167.7
637	166.5	166.3	166.8	167.9	160.5	160.9	161.2	153.3	153.0	153.9	147.0	144.3	143.4	144.9	153.0	167.3	167.5
638	166.5	166.3	166.8	166.8	160.5	160.9	160.2	152.2	153.0	153.9	145.9	143.2	143.4	144.9	151.9	166.2	167.1
639	166.5	166.3	166.8	166.8	159.4	160.9	160.2	152.2	151.9	152.8	145.9	143.2	143.4	144.9	151.9	166.2	167.1
640	165.4	166.3	166.8	166.8	159.4	160.9	160.2	152.2	151.9	152.8	145.9	143.2	143.4	144.9	151.9	166.2	166.7
641	165.4	165.2	165.7	166.8	159.4	160.9	160.2	152.2	151.9	152.8	145.9	143.2	143.4	144.9	151.9	166.2	166.7
642	165.4	165.2	165.7	166.8	159.4	159.8	160.2	152.2	151.9	152.8	145.9	143.2	143.4	144.9	151.9	166.2	166.5
643	165.4	165.2	165.7	165.7	159.4	159.8	160.2	152.2	151.9	152.8	145.9	143.2	143.4	144.9	151.9	166.2	166.5
644	165.4	165.2	165.7	165.7	159.4	159.8	158.9	152.2	150.8	152.8	144.9	143.2	143.4	144.9	151.9	165.2	166.2
645	164.3	165.2	165.7	165.7	159.4	159.8	158.9	152.2	150.8	152.8	144.9	143.2	142.3	143.8	151.9	165.2	166.1
646	164.3	165.2	165.7	165.7	158.4	159.8	158.9	151.2	150.8	151.7	144.9	143.2	142.3	143.8	150.8	165.2	166.0
647	164.3	164.1	165.7	165.7	158.4	159.8	158.9	151.2	150.8	151.7	144.9	142.2	142.3	143.8	150.8	165.2	165.7
648	164.3	164.1	164.7	165.7	158.4	159.8	158.9	151.2	150.8	151.7	144.9	142.2	142.3	143.8	150.8	165.2	165.5
649	164.3	164.1	164.7	165.7	158.4	158.7	158.9	151.2	150.8	151.7	144.9	142.2	142.3	143.8	150.8	164.2	165.5
650	164.3	164.1	164.7	164.7	158.4	158.7	158.9	151.2	150.8	151.7	144.9	142.2	142.3	143.8	150.8	164.2	165.6
651	163.2	164.1	164.7	164.7	158.4	158.7	157.8	151.2	150.8	151.7	144.9	142.2	142.3	143.8	150.8	164.2	165.2

652	163.2	164.1	164.7	164.7	158.4	158.7	157.8	151.2	149.7	151.7	144.9	142.2	142.3	143.8	149.7	164.2	165.2
653	163.2	163.0	164.7	164.7	157.3	158.7	157.8	150.1	149.7	150.6	143.8	142.2	141.3	142.7	149.7	164.2	164.8
654	163.2	163.0	163.6	164.7	157.3	157.6	157.8	150.1	149.7	150.6	143.8	142.2	141.3	142.7	149.7	164.2	164.6
655	163.2	163.0	163.6	163.6	157.3	157.6	157.8	150.1	149.7	150.6	143.8	141.1	141.3	142.7	149.7	164.2	164.5
656	163.2	163.0	163.6	163.6	157.3	157.6	157.8	150.1	149.7	150.6	143.8	141.1	141.3	142.7	149.7	163.1	164.5
657	163.2	163.0	163.6	163.6	157.3	157.6	156.7	150.1	149.7	150.6	143.8	141.1	141.3	142.7	149.7	163.1	164.3
658	162.1	163.0	163.6	163.6	157.3	157.6	156.7	150.1	149.7	150.6	143.8	141.1	141.3	142.7	149.7	163.1	163.9
659	162.1	163.0	163.6	163.6	157.3	157.6	156.7	150.1	149.7	150.6	143.8	141.1	141.3	142.7	148.6	163.1	164.2
660	162.1	162.0	162.5	163.6	156.2	157.6	156.7	149.0	148.6	149.5	142.7	141.1	140.2	141.6	148.6	163.1	163.6
661	162.1	162.0	162.5	163.6	156.2	156.6	156.7	149.0	148.6	149.5	142.7	140.0	140.2	141.6	148.6	162.1	163.4
662	162.1	162.0	162.5	162.5	156.2	156.6	156.7	149.0	148.6	149.5	142.7	140.0	140.2	141.6	148.6	162.1	163.4
663	162.1	162.0	162.5	162.5	156.2	156.6	156.7	149.0	148.6	149.5	142.7	140.0	140.2	141.6	148.6	162.1	163.3
664	161.1	162.0	162.5	162.5	156.2	156.6	156.7	149.0	148.6	149.5	142.7	140.0	140.2	141.6	148.6	162.1	163.0
665	161.1	162.0	162.5	162.5	156.2	156.6	155.7	149.0	148.6	149.5	142.7	140.0	140.2	141.6	148.6	162.1	162.9
666	161.1	160.9	161.4	162.5	155.1	156.6	155.7	149.0	148.6	149.5	142.7	140.0	140.2	141.6	148.6	162.1	163.0
667	161.1	160.9	161.4	162.5	155.1	156.6	155.7	149.0	147.6	148.5	142.7	140.0	140.2	141.6	147.6	161.1	162.8
668	161.1	160.9	161.4	161.4	155.1	155.5	155.7	147.9	147.6	148.5	141.6	140.0	140.2	140.5	147.6	161.1	162.5
669	161.1	160.9	161.4	161.4	155.1	155.5	155.7	147.9	147.6	148.5	141.6	140.0	139.1	140.5	147.6	161.1	162.3
670	160.0	160.9	161.4	161.4	155.1	155.5	155.7	147.9	147.6	148.5	141.6	138.9	139.1	140.5	147.6	161.1	162.2
671	160.0	160.9	161.4	161.4	155.1	155.5	154.6	147.9	147.6	148.5	141.6	138.9	139.1	140.5	147.6	161.1	162.2
672	160.0	159.8	160.3	161.4	155.1	155.5	154.6	147.9	147.6	148.5	141.6	138.9	139.1	140.5	147.6	161.1	162.0
673	160.0	159.8	160.3	161.4	154.0	155.5	154.6	147.9	147.6	148.5	141.6	138.9	139.1	140.5	147.6	160.0	161.9
674	160.0	159.8	160.3	160.3	154.0	155.5	154.6	147.9									

699	155.7	155.5	157.1	157.1	150.6	151.2	150.3	144.7	143.2	144.1	138.4	135.7	135.9	137.3	143.2	156.7	158.7
700	155.7	155.5	156.0	157.1	150.6	151.2	150.3	143.6	143.2	144.1	138.4	135.7	135.9	137.3	143.2	156.7	158.0
701	155.7	155.5	156.0	156.0	150.6	151.2	150.3	143.6	143.2	144.1	138.4	135.7	135.9	137.3	143.2	155.7	157.7
702	155.7	155.5	156.0	156.0	150.6	151.2	150.3	143.6	143.2	144.1	138.4	135.7	135.9	136.2	143.2	155.7	157.6
703	155.7	155.5	156.0	156.0	150.6	151.2	150.3	143.6	143.2	144.1	138.4	135.7	134.8	136.2	143.2	155.7	157.4
704	155.7	155.5	156.0	156.0	149.5	150.1	150.3	143.6	143.2	144.1	138.4	135.7	134.8	136.2	143.2	155.7	157.4
705	154.6	155.5	156.0	156.0	149.5	150.1	150.3	143.6	143.2	144.1	137.3	134.6	134.8	136.2	143.2	155.7	157.4
706	154.6	155.5	156.0	156.0	149.5	150.1	150.3	143.6	143.2	144.1	137.3	134.6	134.8	136.2	143.2	155.7	157.5
707	154.6	154.4	154.9	156.0	149.5	150.1	150.3	143.6	143.2	143.1	137.3	134.6	134.8	136.2	142.2	155.7	157.0
708	154.6	154.4	154.9	156.0	149.5	150.1	149.2	143.6	142.2	143.1	137.3	134.6	134.8	136.2	142.2	154.7	157.0
709	154.6	154.4	154.9	154.9	149.5	150.1	149.2	142.5	142.2	143.1	137.3	134.6	134.8	136.2	142.2	154.7	157.4
710	154.6	154.4	154.9	154.9	148.5	150.1	149.2	142.5	142.2	143.1	137.3	134.6	134.8	136.2	142.2	154.7	156.8
711	154.6	154.4	154.9	154.9	148.5	150.1	149.2	142.5	142.2	143.1	137.3	134.6	134.8	135.1	142.2	154.7	156.5
712	154.6	154.4	154.9	154.9	148.5	149.0	149.2	142.5	142.2	143.1	137.3	134.6	134.8	135.1	142.2	154.7	156.4
713	153.5	154.4	154.9	154.9	148.5	149.0	149.2	142.5	142.2	143.1	137.3	134.6	133.7	135.1	142.2	154.7	156.2
714	153.5	154.4	153.9	154.9	148.5	149.0	149.2	142.5	142.2	143.1	137.3	133.5	133.7	135.1	141.1	154.7	156.2
715	153.5	153.3	153.9	154.9	148.5	149.0	149.2	142.5	142.2	142.0	136.2	133.5	133.7	135.1	141.1	153.6	155.9
716	153.5	153.3	153.9	153.9	148.5	149.0	148.1	142.5	142.2	142.0	136.2	133.5	133.7	135.1	141.1	153.6	155.8
717	153.5	153.3	153.9	153.9	148.5	149.0	148.1	142.5	141.1	142.0	136.2	133.5	133.7	135.1	141.1	153.6	155.9
718	153.5	153.3	153.9	153.9	148.5	149.0	148.1	141.4	141.1	142.0	136.2	133.5	133.7	135.1	141.1	153.6	155.3
719	153.5	153.3	153.9	153.9	147.4	149.0	148.1	141.4	141.1	142.0	136.2	133.5	133.7	135.1	141.1	153.6	155.4
720	152.2	152.2	153.9	153.9	147.4	147.9	148.1	141.4	141.1	142.0	136.2	133.5	133.7	134.1	141.1	153.6	155.2
721	152.2	152.2	153.9	153.9	147.4	147.9	148.1	141.4									

746	149.0	149.0	149.5	149.5	144.1	144.7	144.9	138.2	137.8	138.7	133.0	130.3	130.5	131.9	137.8	149.4	152.2
747	149.0	149.0	149.5	149.5	144.1	144.7	143.8	138.2	137.8	138.7	133.0	130.3	130.5	131.9	137.8	149.4	152.1
748	149.0	149.0	149.5	149.5	144.1	144.7	143.8	138.2	137.8	138.7	133.0	130.3	130.5	131.9	137.8	149.4	152.1
749	149.0	149.0	149.5	149.5	144.1	144.7	143.8	138.2	137.8	138.7	133.0	130.3	130.5	130.8	137.8	149.4	151.5
750	149.0	149.0	149.5	149.5	144.1	144.7	143.8	138.2	137.8	138.7	133.0	130.3	130.5	130.8	137.8	149.4	151.7
751	149.0	149.0	149.5	149.5	144.1	144.7	143.8	138.2	137.8	137.7	133.0	130.3	130.5	130.8	136.8	149.4	151.6
752	149.0	149.0	149.5	149.5	143.1	144.7	143.8	138.2	137.8	137.7	133.0	130.3	130.5	130.8	136.8	149.4	151.5
753	149.0	147.9	148.5	149.5	143.1	143.6	143.8	138.2	136.8	137.7	133.0	130.3	130.5	130.8	136.8	148.3	151.3
754	147.9	147.9	148.5	148.5	143.1	143.6	143.8	137.1	136.8	137.7	131.9	130.3	130.5	130.8	136.8	148.3	150.9
755	147.9	147.9	148.5	148.5	143.1	143.6	143.8	137.1	136.8	137.7	131.9	130.3	129.4	130.8	136.8	148.3	150.9
756	147.9	147.9	148.5	148.5	143.1	143.6	142.7	137.1	136.8	137.7	131.9	129.2	129.4	130.8	136.8	148.3	150.8
757	147.9	147.9	148.5	148.5	143.1	143.6	142.7	137.1	136.8	137.7	131.9	129.2	129.4	130.8	136.8	148.3	150.9
758	147.9	147.9	148.5	148.5	143.1	143.6	142.7	137.1	136.8	137.7	131.9	129.2	129.4	130.8	136.8	148.3	151.5
759	147.9	147.9	148.5	148.5	143.1	143.6	142.7	137.1	136.8	137.7	131.9	129.2	129.4	130.8	136.8	148.3	150.8
760	147.9	147.9	148.5	148.5	143.1	143.6	142.7	137.1	136.8	137.7	131.9	129.2	129.4	129.7	135.7	148.3	150.3
761	147.9	147.9	148.5	148.5	142.0	142.5	142.7	137.1	135.7	137.7	131.9	129.2	129.4	129.7	135.7	147.3	150.6
762	147.9	146.8	147.4	148.5	142.0	142.5	142.7	137.1	135.7	137.7	131.9	129.2	129.4	129.7	135.7	147.3	150.2
763	146.8	146.8	147.4	147.4	142.0	142.5	142.7	137.1	135.7	136.6	131.9	129.2	129.4	129.7	135.7	147.3	149.9
764	146.8	146.8	147.4	147.4	142.0	142.5	142.7	136.0	135.7	136.6	131.9	129.2	128.3	129.7	135.7	147.3	149.9
765	146.8	146.8	147.4	147.4	142.0	142.5	142.7	136.0	135.7	136.6	130.8	129.2	128.3	129.7	135.7	147.3	150.3
766	146.8	146.8	147.4	147.4	142.0	142.5	142.7	136.0	135.7	136.6	130.8	129.2	128.3	129.7	135.7	147.3	149.5
767	146.8	146.8	147.4	147.4	142.0	142.5	141.6	136.0	135.7	136.6	130.8	128.1	128.3	129.7	135.7	147.3	149.6
768	146.8	146.8	147.4	147.4	142.0	142.5	141.6	136.0									

793	143.6	143.6	144.1	144.1	138.7	139.3	138.4	133.9	132.4	133.3	128.7	126.0	126.1	126.5	132.4	144.1	147.0
794	143.6	143.6	144.1	144.1	138.7	139.3	138.4	133.9	132.4	133.3	128.7	126.0	126.1	126.5	132.4	144.1	146.9
795	143.6	142.3	144.1	144.1	138.7	139.3	138.4	132.8	132.4	133.3	128.7	126.0	126.1	126.5	132.4	143.1	146.7
796	143.6	142.3	144.1	144.1	138.7	139.3	138.4	132.8	132.4	133.3	128.7	126.0	126.1	126.5	132.4	143.1	146.6
797	142.5	142.3	142.9	143.1	138.7	138.2	138.4	132.8	132.4	133.3	128.7	126.0	126.1	126.5	132.4	143.1	146.3
798	142.5	142.3	142.9	143.1	137.7	138.2	138.4	132.8	132.4	133.3	127.6	126.0	126.1	126.5	132.4	143.1	146.3
799	142.5	142.3	142.9	143.1	137.7	138.2	138.4	132.8	132.4	133.3	127.6	126.0	125.1	126.5	132.4	143.1	146.1
800	142.5	142.3	142.9	143.1	137.7	138.2	138.4	132.8	132.4	133.3	127.6	126.0	125.1	126.5	131.4	143.1	146.2
801	142.5	142.3	142.9	143.1	137.7	138.2	138.4	132.8	132.4	133.3	127.6	124.9	125.1	126.5	131.4	143.1	146.0
802	142.5	142.3	142.9	143.1	137.7	138.2	137.3	132.8	131.4	133.3	127.6	124.9	125.1	126.5	131.4	143.1	145.9
803	142.5	142.3	142.9	143.1	137.7	138.2	137.3	132.8	131.4	132.3	127.6	124.9	125.1	126.5	131.4	142.1	145.6
804	142.5	142.3	142.9	143.1	137.7	138.2	137.3	132.8	131.4	132.3	127.6	124.9	125.1	126.5	131.4	142.1	145.7
805	142.5	142.3	142.9	143.1	137.7	138.2	137.3	132.8	131.4	132.3	127.6	124.9	125.1	125.4	131.4	142.1	145.7
806	141.4	141.3	142.9	142.0	137.7	138.2	137.3	131.7	131.4	132.3	127.6	124.9	125.1	125.4	131.4	142.1	145.5
807	141.4	141.3	141.8	142.0	137.7	137.1	137.3	131.7	131.4	132.3	127.6	124.9	125.1	125.4	131.4	142.1	145.3
808	141.4	141.3	141.8	142.0	137.7	137.1	137.3	131.7	131.4	132.3	127.6	124.9	125.1	125.4	131.4	142.1	145.5
809	141.4	141.3	141.8	142.0	136.6	137.1	137.3	131.7	131.4	132.3	127.6	124.9	125.1	125.4	131.4	142.1	145.2
810	141.4	141.3	141.8	142.0	136.6	137.1	137.3	131.7	131.4	132.3	127.6	124.9	124.0	125.4	130.3	142.1	145.1
811	141.4	141.3	141.8	142.0	136.6	137.1	137.3	131.7	131.4	132.3	126.5	124.9	124.0	125.4	130.3	142.1	145.0
812	141.4	141.3	141.8	142.0	136.6	137.1	137.3	131.7	131.4	132.3	126.5	123.8	124.0	125.4	130.3	141.0	144.8
813	141.4	141.3	141.8	142.0	136.6	137.1	136.2	131.7	130.3	131.2	126.5	123.8	124.0	125.4	130.3	141.0	144.7
814	141.4	141.3	141.8	142.0	136.6	137.1	136.2	131.7	130.3	131.2	126.5	123.8	124.0	125.4	130.3	141.0	144.6
815	141.4	141.3	141.8	140.9	136.6	137.1	136.2	131.7	130.3	131.2	126.5	123.8	124.0	125.4	130.3	141.0	144.6
816	141.4	140.2	140.7	140.9	136.6	137.1	136.2	130.6	130.3	131.2	126.5	123.8	124.0	125.4	130.3	141.0	144.6
817	140.4	140.2	140.7	140.9	136.6	136.0	136.2	130.6	130.3	131.2	126.5	123.8	124.0	124.3	130.3	141.0	144.3
818	140.4	140.2	140.7	140.9	136.6	136.0	136.2	130.6	130.3	131.2	126.5	123.8	124.0	124.3	130.3	141.0	144.4
819	140.4	140.2	140.7	140.9	135.5	136.0	136.2	130.6	130.3	131.2	126.5	123.8	124.0	124.3	130.3	141.0	144.2
820	140.4	140.2	140.7	140.9	135.5	136.0	136.2	130.6	130.3	131.2	126.5	123.8	124.0	124.3	130.3	141.0	144.3
821	140.4	140.2	140.7	140.9	135.5	136.0	136.2	130.6	130.3	131.2	126.5	123.8	124.0	124.3	130.3	141.0	144.2
822	140.4	140.2	140.7	140.9	135.5	136.0	136.2	130.6	130.3	131.2	126.5	123.8	124.0	124.3	129.2	140.0	144.1
823	140.4	140.2	140.7	140.9	135.5	136.0	135.1	130.6	130.3	131.2	126.5	123.8	122.9	124.3	129.2	140.0	143.7
828	139.3	139.1	140.7	140.9	135.5	136.0	135.1	130.6	129.2	130.1	125.4	122.7	122.9	124.3	129.2	140.0	143.5
833	139.3	139.1	139.6	139.8	134.4	135.0	135.1	129.6	129.2	130.1	125.4	122.7	122.9	123.3	129.2	138.9	142.9
838	139.3	138.0	139.6	138.7	134.4	135.0	134.1	129.6	128.1	129.0	124.3	122.7	122.9	123.3	128.1	138.9	142.5
843	138.2	138.0	138.6	138.7	133.3	133.9	134.1	128.5	128.1	129.0	124.3	121.6	121.8	122.2	128.1	137.9	141.8
848	137.1	136.9	137.5	137.7	133.3	133.9	133.0	128.5	128.1	129.0	124.3	121.6	121.8	122.2	127.0	137.9	141.0
853	137.1	136.9	137.5	137.7	132.3	132.8	133.0	127.4	127.0	127.9	123.3	120.6	120.7	122.2	127.0	136.9	140.7
858	135.9	135.9	137.5	136.6	132.3	132.8	131.9	127.4	127.0	127.9	123.3	120.6	120.7	121.1	126.0	136.9	140.4
863	135.9	135.9	136.4	136.6	131.2	131.7	131.9	127.4	126.0	126.9	122.2	120.6	120.7	121.1	126.0	135.8	140.3
868	135.9	134.8	136.4	135.5	131.2	131.7	130.8	126.3	126.0	126.9	122.2	119.5	119.7	121.1	126.0	135.8	140.0
873	134.8	134.8	135.3	135.5	130.1	130.6	130.8	126.3	124.9	125.8	122.2	119.5	119.7	120.0	124.9	134.8	139.0
878	134.8	133.7	134.2	134.4	130.1	130.6	129.7	125.2	124.9	125.8	121.1	118.4	118.6	120.0	124.9	134.8	138.4
883	133.7	133.7	134.2	134.4	129.0	129.6	129.7	125.2	124.9	125.8	121.1	118.4	118.6	118.9	123.8	133.7	138.2
888	133.7	132.6	134.2	133.3	129.0	129.6	129.7	124.2	123.8	124.7	121.1	118.4	118.6	118.9	123.8	133.7	137.9
893	132.6	132.6	133.2	133.3	129.0	128.5	128.7	124.2	123.8	124.7	120.0	117.3	117.5	118.9	123.8	132.7	137.4
898	132.6	132.6	133.2	133.3	127.9	128.5	128.7	124.2	122.7	123.6	120.0	117.3	117.5	118.9	122.7	132.7	137.2
903	131.5	131.5	132.1	132.3	127.9	128.5	127.6	123.1	122.7	123.6	120.0	117.3	116.4	117.9	122.7	131.6	136.2

908	131.5	131.5	132.1	132.3	126.9	127.2	127.6	123.1	122.7	123.6	118.9	116.2	116.4	117.9	121.6	131.6	136.1
913	131.5	130.5	131.0	131.2	126.9	127.2	126.5	123.1	121.6	122.5	118.9	116.2	116.4	116.8	121.6	131.6	135.7
918	130.5	130.5	131.0	131.2	126.9	127.2	126.5	122.0	121.6	122.5	118.9	116.2	115.3	116.8	121.6	130.6	135.4
923	130.5	130.5	131.0	130.1	125.8	126.1	126.5	122.0	121.6	122.5	117.9	115.2	115.3	116.8	120.6	130.6	135.1
928	129.4	129.2	129.9	130.1	125.8	126.1	125.4	120.9	120.6	121.5	117.9	115.2	115.3	115.7	120.6	129.6	133.8
933	129.4	129.2	129.9	130.1	124.7	125.1	125.4	120.9	120.6	121.5	117.9	115.2	115.3	115.7	119.5	129.6	134.1
938	128.3	128.1	128.8	129.0	124.7	125.1	125.4	120.9	120.6	121.5	116.8	114.1	114.3	115.7	119.5	128.5	133.4
943	128.3	128.1	128.8	129.0	123.6	125.1	124.3	119.8	119.5	120.4	116.8	114.1	114.3	114.6	119.5	128.5	133.0
948	128.3	127.0	128.8	127.9	123.6	124.0	124.3	119.8	119.5	120.4	116.8	114.1	114.3	114.6	118.4	128.5	132.9
953	127.2	127.0	127.8	127.9	123.6	124.0	123.3	119.8	118.4	119.3	115.7	114.1	113.2	114.6	118.4	127.5	132.3
958	127.2	126.0	127.8	126.9	122.5	124.0	123.3	118.8	118.4	119.3	115.7	113.0	113.2	114.6	118.4	127.5	131.9
963	126.1	126.0	126.7	126.9	122.5	122.9	123.3	118.8	118.4	119.3	115.7	113.0	113.2	113.5	118.4	126.5	132.3
968	126.1	126.0	126.7	126.9	122.5	122.9	122.2	118.8	117.3	118.2	114.6	111.9	112.1	113.5	117.3	126.5	131.2
973	126.1	124.9	126.7	125.8	121.5	121.8	122.2	117.7	117.3	118.2	114.6	111.9	112.1	113.5	117.3	125.4	130.8
978	125.1	124.9	125.6	125.8	121.5	121.8	122.2	117.7	117.3	118.2	114.6	111.9	112.1	112.5	116.2	125.4	130.5
983	125.1	124.9	125.6	125.8	121.5	121.8	121.1	117.7	116.2	117.1	113.5	111.9	111.0	112.5	116.2	125.4	130.3
988	124.0	123.8	124.5	124.7	120.4	120.7	121.1	116.6	116.2	117.1	113.5	110.8	111.0	111.4	116.2	124.4	129.6
993	124.0	123.8	124.5	124.7	120.4	120.7	120.0	116.6	116.2	117.1	113.5	110.8	111.0	111.4	115.2	124.4	129.4
998	124.0	122.7	124.5	123.6	119.3	119.7	120.0	116.6	115.2	116.1	113.5	109.8	109.9	111.4	115.2	123.4	128.8
1003	122.9	122.7	123.4	123.6	119.3	119.7	120.0	115.5	115.2	116.1	112.5	109.8	109.9	111.4	115.2	123.4	128.5
1008	122.9	122.7	123.4	123.6	119.3	119.7	118.9	115.5	115.2	116.1	112.5	109.8	109.9	110.3	114.1	123.4	128.1
1013	121.8	121.6	122.4	122.5	118.2	118.6	118.9	114.4	114.1	115.0	112.5	109.8	108.9	110.3	114.1	122.3	127.6
1018	121.8	121.6	122.4	122.5	118.2	118.6	118.9	114.4	114.1	115.0	111.4	108.7	108.9	110.3	114.1	122.3	127.4
1023	121.8	121.6	122.4	121.5	118.2	118.6	118.9	114.4	114.1	115.0	111.4	108.7	108.9	109.2	113.0	121.3	127.4
1028	120.7	120.6	121.3	121.5	117.1	117.5	117.9	114.4	113.0	115.0	111.4	108.7	108.9	109.2	113.0	121.3	126.6
1033	120.7	120.6	121.3	121.5	117.1	117.5	117.9	113.4	113.0	113.9	110.3	107.6	107.8	109.2	113.0	121.3	125.9
1038	120.7	119.5	121.3	120.4	117.1	117.5	116.8	113.4	113.0	113.9	110.3	107.6	107.8	108.1	111.9	120.2	126.0
1043	119.7	119.5	120.2	120.4	116.1	116.4	116.8	113.4	113.0	113.9	110.3	107.6	107.8	108.1	111.9	120.2	125.7
1048	119.7	119.5	120.2	120.4	116.1	116.4	116.8	113.4	111.9	112.8	110.3	107.6	107.8	108.1	111.9	120.2	125.2
1053	119.7	118.4	120.2	119.3	116.1	116.4	116.8	112.3	111.9	112.8	109.2	107.6	107.8	108.1	111.9	119.2	125.3
1058	118.6	118.4	120.2	119.3	116.1	115.3	115.7	112.3	111.9	112.8	109.2	106.5	107.8	108.1	110.8	119.2	124.8
1063	118.6	118.4	119.1	119.3	115.0	115.3	115.7	112.3	110.8	112.8	109.2	106.5	106.5	107.1	110.8	119.2	124.0
1068	118.6	118.4	119.1	118.2	115.0	115.3	115.7	111.2	110.8	111.7	109.2	106.5	106.5	107.1	110.8	118.2	123.9
1073	118.6	117.3	118.0	118.2	115.0	115.3	114.4	111.2	110.8	111.7	108.1	106.5	106.5	107.1	109.8	118.2	124.1
1078	117.5	117.3	118.0	118.2	113.9	114.3	114.4	111.2	110.8	111.7	108.1	105.4	106.5	107.1	109.8	118.2	123.7
1083	117.5	117.3	118.0	118.2	113.9	114.3	114.4	111.2	109.8	111.7	108.1	105.4	105.4	106.0	109.8	117.1	123.4
1088	117.5	117.3	118.0	117.1	113.9	114.3	114.4	110.1	109.8	110.7	108.1	105.4	105.4	106.0	109.8	117.1	123.0
1093	116.4	116.2	117.0	117.1	113.9	114.3	113.2	110.1	109.8	110.7	107.1	105.4	105.4	106.0	108.7	117.1	123.6
1098	116.4	116.2	117.0	117.1	112.8	113.2	113.2	110.1	109.8	110.7	107.1	105.4	105.4	106.0	108.7	117.1	122.7
1103	116.4	116.2	117.0	116.1	112.8	113.2	113.2	110.1	108.7	110.7	107.1	104.4	105.4	106.0	108.7	116.1	122.4
1108	116.4	115.2	115.9	116.1	112.8	113.2	113.2	109.0	108.7	109.6	107.1	104.4	104.4	104.9	108.7	116.1	122.0
1113	115.3	115.2	115.9	116.1	111.7	112.1	112.1	109.0	108.7	109.6	107.1	104.4	104.4	104.9	107.6	116.1	121.4
1118	115.3	115.2	115.9	115.0	111.7	112.1	112.1	109.0	108.7	109.6	106.0	104.4	104.4	104.9	107.6	115.1	121.5
1123	115.3	115.2	115.9	115.0	111.7	112.1	112.1	109.0	107.6	109.6	106.0	104.4	104.4	104.9	107.6	115.1	120.8
1128	115.3	114.1	114.8	115.0	111.7	112.1	112.1	108.0	107.6	108.5	106.0	103.3	104.4	103.8	107.6	115.1	121.1
1133	114.3	114.1	114.8	115.0	110.7	111.0	111.0	108.0	107.6	108.5	106.0	103.3	103.3	103.8	107.6	115.1	120.6
1138	114.3	114.1	114.8	113.9	110.7	111.0	111.0	108.0	107.6	108.5	106.0	103.3	103.3	103.8	106.5	114.0	120.5

1143	114.3	114.1	114.8	113.9	110.7	111.0	111.0	108.0	107.6	108.5	104.9	103.3	103.3	103.8	106.5	114.0	120.0
1148	113.2	113.0	113.7	113.9	110.7	111.0	111.0	108.0	106.5	107.4	104.9	103.3	103.3	103.8	106.5	114.0	119.6
1153	113.2	113.0	113.7	113.9	109.6	109.9	109.9	106.9	106.5	107.4	104.9	102.2	103.3	103.8	106.5	114.0	119.9
1158	113.2	113.0	113.7	112.8	109.6	109.9	109.9	106.9	106.5	107.4	104.9	102.2	103.3	102.7	106.5	113.0	119.5
1163	113.2	111.9	113.7	112.8	109.6	109.9	109.9	106.9	106.5	107.4	104.9	102.2	102.2	102.7	105.4	113.0	119.4
1168	112.1	111.9	112.6	112.8	109.6	109.9	109.9	106.9	105.4	107.4	103.8	102.2	102.2	102.7	105.4	113.0	118.5
1173	112.1	111.9	112.6	112.8	109.6	108.9	108.9	105.8	105.4	106.3	103.8	102.2	102.2	102.7	105.4	111.9	118.7
1178	112.1	111.9	112.6	111.7	108.5	108.9	108.9	105.8	105.4	106.3	103.8	101.1	102.2	102.7	105.4	111.9	118.3
1183	112.1	110.8	112.6	111.7	108.5	108.9	108.9	105.8	105.4	106.3	103.8	101.1	101.1	101.7	104.4	111.9	118.3
1188	111.0	110.8	111.6	111.7	108.5	108.9	108.9	105.8	105.4	106.3	103.8	101.1	101.1	101.7	104.4	111.9	118.0
1193	111.0	110.8	111.6	111.7	108.5	107.8	107.8	105.8	104.4	105.3	102.7	101.1	101.1	101.7	104.4	110.8	117.7
1198	111.0	110.8	111.6	110.7	107.4	107.8	107.8	104.7	104.4	105.3	102.7	101.1	101.1	101.7	104.4	110.8	117.7
1203	111.0	109.8	111.6	110.7	107.4	107.8	107.8	104.7	104.4	105.3	102.7	101.1	101.1	101.7	104.4	110.8	117.4
1208	109.9	109.8	110.5	110.7	107.4	107.8	107.8	104.7	104.4	105.3	102.7	100.0	101.1	100.6	103.3	110.8	117.1
1213	109.9	109.8	110.5	110.7	107.4	107.8	107.8	104.7	104.4	105.3	102.7	100.0	100.0	100.6	103.3	110.8	117.1
1218	109.9	109.8	110.5	110.7	107.4	107.8	107.8	104.7	103.3	104.2	102.7	100.0	100.0	100.6	103.3	109.8	116.7
1223	109.9	108.7	110.5	109.6	106.3	106.7	106.7	103.6	103.3	104.2	101.7	100.0	100.0	100.6	103.3	109.8	116.4
1228	109.9	108.7	110.5	109.6	106.3	106.7	106.7	103.6	103.3	104.2	101.7	100.0	100.0	100.6	103.3	109.8	115.8
1233	108.9	108.7	109.4	109.6	106.3	106.7	106.7	103.6	103.3	104.2	101.7	100.0	100.0	100.6	102.2	108.8	116.2
1238	108.9	108.7	109.4	109.6	106.3	106.7	106.7	103.6	103.3	104.2	101.7	99.0	100.0	99.5	102.2	108.8	115.9
1243	108.9	108.7	109.4	109.6	105.3	105.6	105.6	103.6	103.3	104.2	101.7	99.0	100.0	99.5	102.2	108.8	115.8
1248	108.9	107.6	109.4	108.5	105.3	105.6	105.6	103.6	102.2	103.1	101.7	99.0	99.0	99.5	102.2	108.8	115.3
1253	107.8	107.6	109.4	108.5	105.3	105.6	105.6	102.6	102.2	103.1	100.6	99.0	99.0	99.5	102.2	108.8	115.2
1258	107.8	107.6	108.3	108.5	105.3	105.6	105.6	102.6	102.2	103.1	100.6	99.0	99.0	99.5	102.2	107.7	115.1
1263	107.8	107.6	108.3	108.5	105.3	105.6	105.6	102.6	102.2	103.1	100.6	97.9	99.0	99.5	101.1	107.7	115.1
1268	107.8	107.6	108.3	107.4	104.2	104.5	104.5	102.6	102.2	103.1	100.6	97.9	99.0	98.4	101.1	107.7	114.4
1273	107.8	107.6	108.3	107.4	104.2	104.5	104.5	102.6	101.1	102.0	100.6	97.9	97.9	98.4	101.1	107.7	114.5
1278	106.7	106.3	107.2	107.4	104.2	104.5	104.5	101.5	101.1	102.0	100.6	97.9	97.9	98.4	101.1	107.7	114.1
1283	106.7	106.3	107.2	107.4	104.2	104.5	104.5	101.5	101.1	102.0	99.5	97.9	97.9	98.4	101.1	106.7	114.1
1288	106.7	106.3	107.2	107.4	104.2	104.5	104.5	101.5	101.1	102.0	99.5	97.9	97.9	98.4	101.1	106.7	114.1
1293	106.7	106.3	107.2	106.3	104.2	103.5	103.5	101.5	101.1	102.0	99.5	97.9	97.9	98.4	100.0	106.7	113.1
1298	106.7	105.3	107.2	106.3	103.1	103.5	103.5	101.5	101.1	102.0	99.5	96.8	97.9	97.3	100.0	106.7	113.3
1303	105.6	105.3	106.2	106.3	103.1	103.5	103.5	100.4	100.0	100.9	99.5	96.8	96.8	97.3	100.0	106.7	113.2
1308	105.6	105.3	106.2	106.3	103.1	103.5	103.5	100.4	100.0	100.9	98.4	96.8	96.8	97.3	100.0	105.6	113.2
1313	105.6	105.3	106.2	105.3	103.1	103.5	103.5	100.4	100.0	100.9	98.4	96.8	96.8	97.3	100.0	105.6	112.6
1318	105.6	105.3	106.2	105.3	103.1	102.4	102.4	100.4	100.0	100.9	98.4	96.8	96.8	97.3	99.0	105.6	112.5
1323	105.6	104.2	106.2	105.3	102.0	102.4	102.4	100.4	100.0	100.9	98.4	95.7	96.8	97.3	99.0	105.6	112.5
1328	104.5	104.2	105.1	105.3	102.0	102.4	102.4	100.4	100.0	100.9	98.4	95.7	96.8	96.3	99.0	105.6	112.4
1333	104.5	104.2	105.1	105.3	102.0	102.4	102.4	100.4	99.0	99.9	98.4	95.7	95.7	96.3	99.0	104.5	112.0
1338	104.5	104.2	105.1	104.2	102.0	102.4	102.4	99.3	99.0	99.9	97.3	95.7	95.7	96.3	99.0	104.5	111.2
1343	104.5	104.2	105.1	104.2	102.0	102.4	101.3	99.3	99.0	99.9	97.3	95.7	95.7	96.3	99.0	104.5	111.8
1348	104.5	104.2	105.1	104.2	102.0	101.3	101.3	99.3	99.0	99.9	97.3	95.7	95.7	96.3	97.9	104.5	111.7
1353	104.5	104.2	104.0	104.2	100.9	101.3	101.3	99.3	99.0	99.9	97.3	95.7	95.7	96.3	97.9	104.5	111.5
1358	103.5	103.1	104.0	104.2	100.9	101.3	101.3	99.3	99.0	99.9	97.3	95.7	95.7	96.3	97.9	103.5	111.3
1363	103.5	103.1	104.0	104.2	100.9	101.3	101.3	99.3	97.9	98.8	97.3	94.6	95.7	96.3	97.9	103.5	111.0
1368	103.5	103.1	104.0	103.1	100.9	101.3	101.3	98.2	97.9	98.8	97.3	94.6	95.7	95.2	97.9	103.5	111.0
1373	103.5	103.1	104.0	103.1	100.9	101.3	101.3	98.2	97.9	98.8	97.3	94.6	94.6	95.2	97.9	103.5	110.9

1378	103.5	103.1	104.0	103.1	100.9	100.2	100.2	98.2	97.9	98.8	96.3	94.6	94.6	95.2	96.8	103.5	110.6
1383	102.4	102.0	102.9	103.1	100.9	100.2	100.2	98.2	97.9	98.8	96.3	94.6	94.6	95.2	96.8	103.5	110.3
1388	102.4	102.0	102.9	103.1	99.9	100.2	100.2	98.2	97.9	98.8	96.3	94.6	94.6	95.2	96.8	102.5	109.8
1393	102.4	102.0	102.9	103.1	99.9	100.2	100.2	98.2	97.9	98.8	96.3	94.6	94.6	95.2	96.8	102.5	109.8
1398	102.4	102.0	102.9	103.1	99.9	100.2	100.2	98.2	97.9	98.8	96.3	94.6	94.6	95.2	96.8	102.5	110.1
1403	102.4	102.0	102.9	102.0	99.9	100.2	100.2	98.2	96.8	97.7	96.3	94.6	94.6	95.2	96.8	102.5	109.8
1408	102.4	102.0	102.9	102.0	99.9	100.2	100.2	97.2	96.8	97.7	96.3	94.6	94.6	95.2	96.8	102.5	109.9
1413	102.4	102.0	102.9	102.0	99.9	100.2	100.2	97.2	96.8	97.7	96.3	94.6	94.6	95.2	96.8	102.5	109.8
1418	102.4	100.9	101.8	102.0	99.9	100.2	100.2	97.2	96.8	97.7	96.3	93.6	94.6	95.2	96.8	102.5	109.6
1423	101.3	100.9	101.8	102.0	99.9	99.1	99.1	97.2	96.8	97.7	96.3	93.6	93.6	94.1	95.7	101.4	109.4
1428	101.3	100.9	101.8	102.0	99.9	99.1	99.1	97.2	96.8	97.7	96.3	93.6	93.6	94.1	95.7	101.4	109.2
1433	101.3	100.9	101.8	102.0	98.8	99.1	99.1	97.2	96.8	97.7	96.3	93.6	93.6	94.1	95.7	101.4	109.2
1438	101.3	100.9	101.8	102.0	98.8	99.1	99.1	97.2	96.8	97.7	95.2	93.6	93.6	94.1	95.7	101.4	109.0
1443	101.3	100.9	101.8	100.9	98.8	99.1	99.1	97.2	96.8	97.7	95.2	93.6	93.6	94.1	95.7	101.4	109.2
1448	101.3	100.9	101.8	100.9	98.8	99.1	99.1	97.2	96.8	97.7	95.2	93.6	93.6	94.1	95.7	101.4	108.8
1453	101.3	100.9	101.8	100.9	98.8	99.1	99.1	97.2	95.7	96.6	95.2	93.6	93.6	94.1	95.7	101.4	109.0
1458	101.3	100.9	100.8	100.9	98.8	99.1	99.1	97.2	95.7	96.6	95.2	93.6	93.6	94.1	95.7	101.4	108.9
1463	100.2	99.9	100.8	100.9	98.8	99.1	99.1	96.1	95.7	96.6	95.2	93.6	93.6	94.1	95.7	100.4	108.3
1468	100.2	99.9	100.8	100.9	98.8	98.1	98.1	96.1	95.7	96.6	95.2	93.6	93.6	94.1	95.7	100.4	108.5
1473	100.2	99.9	100.8	100.9	98.8	98.1	98.1	96.1	95.7	96.6	95.2	93.6	93.6	94.1	95.7	100.4	108.7
1478	100.2	99.9	100.8	100.9	97.7	98.1	98.1	96.1	95.7	96.6	95.2	93.6	93.6	93.0	94.6	100.4	108.4
1483	100.2	99.9	100.8	99.9	97.7	98.1	98.1	96.1	95.7	96.6	95.2	93.6	93.6	93.0	94.6	100.4	108.3
1488	100.2	99.9	100.8	99.9	97.7	98.1	98.1	96.1	95.7	96.6	95.2	92.5	93.6	93.0	94.6	100.4	108.9
1493	100.2	99.9	100.8	99.9	97.7	98.1	98.1	96.1	95.7	96.6	95.2	92.5	92.5	93.0	94.6	100.4	108.3
1498	100.2	99.9	99.7	99.9	97.7	98.1	98.1	96.1	95.7	96.6	95.2	92.5	92.5	93.0	94.6	100.4	108.1
1503	100.2	99.9	99.7	99.9	97.7	98.1	98.1	96.1	95.7	95.5	94.1	92.5	92.5	93.0	94.6	100.4	107.9
1508	99.1	98.8	99.7	99.9	97.7	98.1	98.1	96.1	95.7	95.5	94.1	92.5	92.5	93.0	94.6	99.3	107.6
1513	99.1	98.8	99.7	99.9	97.7	97.0	97.0	95.0	94.6	95.5	94.1	92.5	92.5	93.0	94.6	99.3	107.5
1518	99.1	98.8	99.7	99.9	96.6	97.0	97.0	95.0	94.6	95.5	94.1	92.5	92.5	93.0	94.6	99.3	107.4
1523	99.1	98.8	99.7	99.9	96.6	97.0	97.0	95.0	94.6	95.5	94.1	92.5	92.5	93.0	94.6	99.3	107.5
1528	99.1	98.8	99.7	99.9	96.6	97.0	97.0	95.0	94.6	95.5	94.1	92.5	92.5	91.9	93.6	99.3	107.2
1533	99.1	98.8	99.7	98.8	96.6	97.0	97.0	95.0	94.6	95.5	94.1	92.5	92.5	91.9	93.6	99.3	107.3
1538	99.1	98.8	99.7	98.8	96.6	97.0	97.0	95.0	94.6	95.5	94.1	91.4	92.5	91.9	93.6	99.3	107.2
1543	99.1	98.8	98.6	98.8	96.6	97.0	97.0	95.0	94.6	95.5	94.1	91.4	92.5	91.9	93.6	99.3	106.5
1548	98.1	98.8	98.6	98.8	96.6	97.0	97.0	95.0	94.6	95.5	94.1	91.4	92.5	91.9	93.6	98.2	107.0
1553	98.1	97.7	98.6	98.8	96.6	95.9	95.9	95.0	94.6	94.5	93.0	91.4	91.4	91.9	93.6	98.2	106.3
1558	98.1	97.7	98.6	98.8	95.5	95.9	95.9	93.9	93.6	94.5	93.0	91.4	91.4	91.9	93.6	98.2	107.1
1563	98.1	97.7	98.6	98.8	95.5	95.9	95.9	93.9	93.6	94.5	93.0	91.4	91.4	91.9	93.6	98.2	105.7
1568	98.1	97.7	98.6	98.8	95.5	95.9	95.9	93.9	93.6	94.5	93.0	91.4	91.4	91.9	93.6	98.2	106.2
1573	98.1	97.7	98.6	97.7	95.5	95.9	95.9	93.9	93.6	94.5	93.0	91.4	91.4	91.9	92.5	98.2	106.2
1578	98.1	97.7	98.6	97.7	95.5	95.9	95.9	93.9	93.6	94.5	93.0	91.4	91.4	91.9	92.5	98.2	106.1
1583	98.1	97.7	98.6	97.7	95.5	95.9	95.9	93.9	93.6	94.5	93.0	91.4	91.4	91.9	92.5	98.2	106.0
1588	98.1	97.7	97.5	97.7	95.5	95.9	95.9	93.9	93.6	94.5	93.0	91.4	91.4	91.9	92.5	97.2	106.2
1593	97.0	97.7	97.5	97.7	95.5	95.9	95.9	93.9	93.6	94.5	93.0	91.4	91.4	91.9	92.5	97.2	106.1
1598	97.0	96.6	97.5	97.7	95.5	95.9	95.9	93.9	93.6	94.5	93.0	90.3	91.4	90.9	92.5	97.2	105.6
1603	97.0	96.6	97.5	97.7	94.5	95.9	95.9	93.9	93.6	94.5	93.0	90.3	91.4	90.9	92.5	97.2	106.2
1608	97.0	96.6	97.5	97.7	94.5	94.8	94.8	93.9	93.6	94.5	93.0	90.3	91.4	90.9	92.5	97.2	105.7

1613	97.0	96.6	97.5	96.6	94.5	94.8	94.8	92.8	93.6	93.4	91.9	90.3	90.3	90.9	92.5	97.2	105.2
1618	97.0	96.6	97.5	96.6	94.5	94.8	94.8	92.8	92.5	93.4	91.9	90.3	90.3	90.9	92.5	97.2	105.3
1623	97.0	96.6	97.5	96.6	94.5	94.8	94.8	92.8	92.5	93.4	91.9	90.3	90.3	90.9	92.5	97.2	105.3
1628	97.0	96.6	97.5	96.6	94.5	94.8	94.8	92.8	92.5	93.4	91.9	90.3	90.3	90.9	92.5	97.2	105.3
1633	97.0	96.6	96.4	96.6	94.5	94.8	94.8	92.8	92.5	93.4	91.9	90.3	90.3	90.9	92.5	96.1	105.2
1638	95.9	95.5	96.4	96.6	94.5	94.8	94.8	92.8	92.5	93.4	91.9	90.3	90.3	90.9	92.5	96.1	104.8
1643	95.9	95.5	96.4	96.6	94.5	94.8	94.8	92.8	92.5	93.4	91.9	90.3	90.3	90.9	92.5	96.1	104.9
1648	95.9	95.5	96.4	96.6	94.5	94.8	94.8	92.8	92.5	93.4	91.9	90.3	90.3	90.9	91.4	96.1	104.9
1653	95.9	95.5	96.4	96.6	94.5	94.8	94.8	92.8	92.5	93.4	91.9	90.3	90.3	90.9	91.4	96.1	104.9
1658	95.9	95.5	96.4	95.5	93.4	93.7	93.7	92.8	92.5	93.4	91.9	90.3	90.3	90.9	91.4	96.1	104.7
1663	95.9	95.5	96.4	95.5	93.4	93.7	93.7	92.8	92.5	93.4	91.9	90.3	90.3	90.9	91.4	96.1	104.7
1668	95.9	95.5	96.4	95.5	93.4	93.7	93.7	92.8	92.5	93.4	91.9	89.2	90.3	89.8	91.4	96.1	104.4
1673	95.9	95.5	96.4	95.5	93.4	93.7	93.7	92.8	92.5	92.3	91.9	89.2	90.3	89.8	91.4	96.1	104.7
1678	95.9	95.5	96.4	95.5	93.4	93.7	93.7	92.8	92.5	92.3	91.9	89.2	89.2	89.8	91.4	96.1	104.7
1683	95.9	95.5	96.4	95.5	93.4	93.7	93.7	92.8	92.5	92.3	91.9	89.2	89.2	89.8	91.4	95.1	104.4
1688	95.9	94.5	95.4	95.5	93.4	93.7	93.7	91.8	91.2	92.3	90.9	89.2	89.2	89.8	91.4	95.1	104.0
1693	94.8	94.5	95.4	95.5	93.4	93.7	93.7	91.8	91.2	92.3	90.9	89.2	89.2	89.8	91.4	95.1	104.0
1698	94.8	94.5	95.4	95.5	93.4	93.7	93.7	91.8	91.2	92.3	90.9	89.2	89.2	89.8	90.3	95.1	103.4
1703	94.8	94.5	95.4	95.5	93.4	93.7	93.7	91.8	91.2	92.3	90.9	89.2	89.2	89.8	90.3	95.1	103.9
1708	94.8	94.5	95.4	94.5	93.4	93.7	93.7	91.8	91.2	92.3	90.9	89.2	89.2	89.8	90.3	95.1	103.8
1713	94.8	94.5	95.4	94.5	92.3	92.7	92.7	91.8	91.2	92.3	90.9	89.2	89.2	89.8	90.3	95.1	103.6
1718	94.8	94.5	95.4	94.5	92.3	92.7	92.7	91.8	91.2	92.3	90.9	89.2	89.2	89.8	90.3	95.1	103.5
1723	94.8	94.5	95.4	94.5	92.3	92.7	92.7	91.8	91.2	92.3	90.9	89.2	89.2	89.8	90.3	95.1	103.3
1728	94.8	94.5	95.4	94.5	92.3	92.7	92.7	91.8	91.2	92.3	90.9	88.2	89.2	88.7	90.3	94.1	103.4
1733	94.8	94.5	94.3	94.5	92.3	92.7	92.7	91.8	91.2	91.2	90.9	88.2	88.2	88.7	90.3	94.1	103.0
1738	94.8	93.4	94.3	94.5	92.3	92.7	92.7	90.7	91.2	91.2	90.9	88.2	88.2	88.7	90.3	94.1	103.1
1743	93.7	93.4	94.3	94.5	92.3	92.7	92.7	90.7	91.2	91.2	90.9	88.2	88.2	88.7	90.3	94.1	103.0
1748	93.7	93.4	94.3	94.5	92.3	92.7	92.7	90.7	90.1	91.2	89.8	88.2	88.2	88.7	90.3	94.1	102.6
1753	93.7	93.4	94.3	94.5	92.3	92.7	92.7	90.7	90.1	91.2	89.8	88.2	88.2	88.7	90.3	94.1	102.7
1758	93.7	93.4	94.3	93.4	92.3	92.7	92.7	90.7	90.1	91.2	89.8	88.2	88.2	88.7	89.2	94.1	102.7
1763	93.7	93.4	94.3	93.4	92.3	91.6	91.6	90.7	90.1	91.2	89.8	88.2	88.2	88.7	89.2	94.1	103.3
1768	93.7	93.4	94.3	93.4	92.3	91.6	91.6	90.7	90.1	91.2	89.8	88.2	88.2	88.7	89.2	94.1	102.4
1773	93.7	93.4	94.3	93.4	91.2	91.6	91.6	90.7	90.1	91.2	89.8	88.2	88.2	88.7	89.2	94.1	102.2
1778	93.7	93.4	94.3	93.4	91.2	91.6	91.6	90.7	90.1	91.2	89.8	88.2	88.2	88.7	89.2	93.0	102.1
1783	93.7	93.4	94.3	93.4	91.2	91.6	91.6	90.7	90.1	91.2	89.8	88.2	88.2	88.7	89.2	93.0	102.4
1788	92.7	93.4	93.2	93.4	91.2	91.6	91.6	90.7	90.1	91.2	89.8	88.2	88.2	88.7	89.2	93.0	102.1
1793	92.7	92.3	93.2	93.4	91.2	91.6	91.6	90.7	90.1	91.2	89.8	88.2	88.2	88.7	89.2	93.0	102.2
1798	92.7	92.3	93.2	93.4	91.2	91.6	91.6	90.7	90.1	90.1	89.8	88.2	88.2	87.6	89.2	93.0	101.8
1803	92.7	92.3	93.2	93.4	91.2	91.6	91.6	89.6	90.1	90.1	89.8	87.1	88.2	87.6	89.2	93.0	101.7
1808	92.7	92.3	93.2	92.3	91.2	91.6	91.6	89.6	90.1	90.1	89.8	87.1	88.2	87.6	89.2	93.0	101.7
1813	92.7	92.3	93.2	92.3	91.2	91.6	91.6	89.6	90.1	90.1	89.8	87.1	87.1	87.6	88.2	93.0	101.5
1818	92.7	92.3	93.2	92.3	91.2	91.6	91.6	89.6	89.1	90.1	89.8	87.1	87.1	87.6	88.2	93.0	101.6
1823	92.7	92.3	93.2	92.3	91.2	91.6	91.6	89.6	89.1	90.1	89.8	87.1	87.1	87.6	88.2	93.0	101.7
1828	92.7	92.3	93.2	92.3	91.2	91.6	91.6	89.6	89.1	90.1	88.7	87.1	87.1	87.6	88.2	93.0	101.6
1833	92.7	92.3	93.2	92.3	90.1	90.5	90.5	89.6	89.1	90.1	88.7	87.1	87.1	87.6	88.2	91.9	101.1
1838	92.7	92.3	93.2	92.3	90.1	90.5	90.5	89.6	89.1	90.1	88.7	87.1	87.1	87.6	88.2	91.9	101.1
1843	92.7	92.3	93.2	92.3	90.1	90.5	90.5	89.6	89.1	90.1	88.7	87.1	87.1	87.6	88.2	91.9	101.4

1848	91.6	92.3	92.1	92.3	90.1	90.5	90.5	89.6	89.1	90.1	88.7	87.1	87.1	87.6	88.2	91.9	101.2
1853	91.6	91.2	92.1	92.3	90.1	90.5	90.5	89.6	89.1	90.1	88.7	87.1	87.1	87.6	88.2	91.9	101.1
1858	91.6	91.2	92.1	92.3	90.1	90.5	90.5	89.6	89.1	90.1	88.7	87.1	87.1	87.6	88.2	91.9	101.0
1863	91.6	91.2	92.1	92.3	90.1	90.5	90.5	89.6	89.1	89.1	88.7	87.1	87.1	87.6	88.2	91.9	101.0
1868	91.6	91.2	92.1	92.3	90.1	90.5	90.5	89.6	89.1	89.1	88.7	87.1	87.1	87.6	88.2	91.9	101.0
1873	91.6	91.2	92.1	91.2	90.1	90.5	90.5	89.6	89.1	89.1	88.7	87.1	87.1	86.5	88.2	91.9	100.5
1878	91.6	91.2	92.1	91.2	90.1	90.5	90.5	88.5	89.1	89.1	88.7	87.1	87.1	86.5	88.2	91.9	100.9
1883	91.6	91.2	92.1	91.2	90.1	90.5	90.5	88.5	89.1	89.1	88.7	87.1	87.1	86.5	88.2	91.9	100.9
1888	91.6	91.2	92.1	91.2	90.1	90.5	89.4	88.5	89.1	89.1	88.7	86.0	87.1	86.5	88.2	91.9	100.7
1893	91.6	91.2	92.1	91.2	89.1	89.4	89.4	88.5	89.1	89.1	88.7	86.0	87.1	86.5	88.2	91.9	100.4
1898	91.6	91.2	92.1	91.2	89.1	89.4	89.4	88.5	88.0	89.1	87.6	86.0	86.0	86.5	87.1	91.9	100.5
1903	91.6	91.2	91.0	91.2	89.1	89.4	89.4	88.5	88.0	89.1	87.6	86.0	86.0	86.5	87.1	90.9	100.3
1908	91.6	91.2	91.0	91.2	89.1	89.4	89.4	88.5	88.0	89.1	87.6	86.0	86.0	86.5	87.1	90.9	100.3
1913	90.5	91.2	91.0	91.2	89.1	89.4	89.4	88.5	88.0	89.1	87.6	86.0	86.0	86.5	87.1	90.9	100.1
1918	90.5	91.2	91.0	91.2	89.1	89.4	89.4	88.5	88.0	89.1	87.6	86.0	86.0	86.5	87.1	90.9	100.2
1923	90.5	90.1	91.0	91.2	89.1	89.4	89.4	88.5	88.0	89.1	87.6	86.0	86.0	86.5	87.1	90.9	100.2
1928	90.5	90.1	91.0	91.2	89.1	89.4	89.4	88.5	88.0	89.1	87.6	86.0	86.0	86.5	87.1	90.9	100.0
1933	90.5	90.1	91.0	91.2	89.1	89.4	89.4	88.5	88.0	89.1	87.6	86.0	86.0	86.5	87.1	90.9	100.1
1938	90.5	90.1	91.0	91.2	89.1	89.4	89.4	88.5	88.0	89.1	87.6	86.0	86.0	86.5	87.1	90.9	100.1
1943	90.5	90.1	91.0	90.1	89.1	89.4	89.4	88.5	88.0	89.1	87.6	86.0	86.0	86.5	87.1	90.9	100.1
1948	90.5	90.1	91.0	90.1	89.1	89.4	89.4	88.5	88.0	89.1	87.6	86.0	86.0	86.5	87.1	90.9	99.8
1953	90.5	90.1	91.0	90.1	89.1	89.4	89.4	88.5	88.0	89.1	87.6	86.0	86.0	86.5	87.1	90.9	100.1
1958	90.5	90.1	91.0	90.1	89.1	89.4	89.4	87.4	88.0	88.0	87.6	86.0	86.0	86.5	87.1	90.9	99.9
1963	90.5	90.1	91.0	90.1	89.1	89.4	89.4	87.4	88.0	88.0	87.6	86.0	86.0	85.5	87.1	90.9	99.9
1968	90.5	90.1	91.0	90.1	89.1	88.3	88.3	87.4	86.9	88.0	87.6	84.9	86.0	85.5	87.1	89.9	99.6
1973	90.5	90.1	90.0	90.1	88.0	88.3	88.3	87.4	86.9	88.0	87.6	84.9	86.0	85.5	87.1	89.9	99.3
1978	90.5	90.1	90.0	90.1	88.0	88.3	88.3	87.4	86.9	88.0	87.6	84.9	86.0	85.5	87.1	89.9	99.3
1983	90.5	90.1	90.0	90.1	88.0	88.3	88.3	87.4	86.9	88.0	87.6	84.9	86.0	85.5	86.0	89.9	99.1
1988	89.4	89.1	90.0	90.1	88.0	88.3	88.3	87.4	86.9	88.0	86.5	84.9	84.9	85.5	86.0	89.9	99.1
1993	89.4	89.1	90.0	90.1	88.0	88.3	88.3	87.4	86.9	88.0	86.5	84.9	84.9	85.5	86.0	89.9	98.9
1998	89.4	89.1	90.0	90.1	88.0	88.3	88.3	87.4	86.9	88.0	86.5	84.9	84.9	85.5	86.0	89.9	98.9
2003	89.4	89.1	90.0	89.1	88.0	88.3	88.3	87.4	86.9	88.0	86.5	84.9	84.9	85.5	86.0	89.9	98.8
2008	89.4	89.1	90.0	89.1	88.0	88.3	88.3	87.4	86.9	88.0	86.5	84.9	84.9	85.5	86.0	89.9	99.0
2013	89.4	89.1	90.0	89.1	88.0	88.3	88.3	87.4	86.9	88.0	86.5	84.9	84.9	85.5	86.0	89.9	98.9
2018	89.4	89.1	90.0	89.1	88.0	88.3	88.3	87.4	86.9	88.0	86.5	84.9	84.9	85.5	86.0	89.9	99.0
2023	89.4	89.1	90.0	89.1	88.0	88.3	88.3	87.4	86.9	86.9	86.5	84.9	84.9	85.5	86.0	88.8	98.9
2028	89.4	89.1	90.0	89.1	88.0	88.3	88.3	86.4	86.9	86.9	86.5	84.9	84.9	85.5	86.0	88.8	98.8
2033	89.4	89.1	90.0	89.1	88.0	88.3	88.3	86.4	86.9	86.9	86.5	84.9	84.9	85.5	86.0	88.8	99.3
2038	88.3	89.1	88.9	89.1	88.0	88.3	88.3	86.4	86.9	86.9	86.5	84.9	84.9	85.5	86.0	88.8	98.6
2043	88.3	89.1	88.9	89.1	86.9	88.3	87.3	86.4	86.9	86.9	86.5	84.9	84.9	85.5	86.0	88.8	98.2
2048	88.3	89.1	88.9	89.1	86.9	87.3	87.3	86.4	85.8	86.9	86.5	84.9	84.9	84.4	86.0	88.8	98.1
2053	88.3	89.1	88.9	89.1	86.9	87.3	87.3	86.4	85.8	86.9	86.5	84.9	84.9	84.4	84.9	88.8	98.3
2058	88.3	89.1	88.9	89.1	86.9	87.3	87.3	86.4	85.8	86.9	86.5	83.8	84.9	84.4	84.9	88.8	98.0
2063	88.3	89.1	88.9	89.1	86.9	87.3	87.3	86.4	85.8	86.9	85.5	83.8	84.9	84.4	84.9	88.8	97.9
2068	88.3	88.0	88.9	89.1	86.9	87.3	87.3	86.4	85.8	86.9	85.5	83.8	83.8	84.4	84.9	88.8	97.9
2073	88.3	88.0	88.9	89.1	86.9	87.3	87.3	86.4	85.8	86.9	85.5	83.8	83.8	84.4	84.9	88.8	98.0
2078	88.3	88.0	88.9	88.0	86.9	87.3	87.3	86.4	85.8	86.9	85.5	83.8	83.8	84.4	84.9	88.8	97.9

2083	88.3	88.0	88.9	88.0	86.9	87.3	87.3	86.4	85.8	86.9	85.5	83.8	83.8	84.4	84.9	88.8	98.2
2088	88.3	88.0	88.9	88.0	86.9	87.3	87.3	86.4	85.8	86.9	85.5	83.8	83.8	84.4	84.9	87.8	97.7
2093	88.3	88.0	88.9	88.0	86.9	87.3	87.3	86.4	85.8	85.8	85.5	83.8	83.8	84.4	84.9	87.8	97.8
2098	88.3	88.0	88.9	88.0	86.9	87.3	87.3	86.4	85.8	85.8	85.5	83.8	83.8	84.4	84.9	87.8	97.7
2103	88.3	88.0	87.8	88.0	85.8	87.3	86.2	86.4	85.8	85.8	85.5	83.8	83.8	84.4	84.9	87.8	97.2
2108	88.3	88.0	87.8	88.0	85.8	86.2	86.2	85.3	85.8	85.8	85.5	83.8	83.8	84.4	84.9	87.8	97.4
2113	88.3	88.0	87.8	88.0	85.8	86.2	86.2	85.3	84.7	85.8	85.5	83.8	83.8	84.4	84.9	87.8	97.4
2118	88.3	88.0	87.8	88.0	85.8	86.2	86.2	85.3	84.7	85.8	85.5	83.8	83.8	84.4	84.9	87.8	97.0
2123	87.3	86.9	87.8	88.0	85.8	86.2	86.2	85.3	84.7	85.8	85.5	83.8	83.8	84.4	84.9	87.8	97.0
2128	87.3	86.9	87.8	88.0	85.8	86.2	86.2	85.3	84.7	85.8	85.5	83.8	83.8	83.3	83.8	87.8	97.7
2133	87.3	86.9	87.8	86.9	85.8	86.2	86.2	85.3	84.7	85.8	85.5	83.8	83.8	83.3	83.8	87.8	97.1
2138	87.3	86.9	87.8	86.9	85.8	86.2	86.2	85.3	84.7	85.8	85.5	83.8	83.8	83.3	83.8	87.8	96.9
2143	87.3	86.9	87.8	86.9	85.8	86.2	86.2	85.3	84.7	85.8	85.5	83.8	83.8	83.3	83.8	87.8	97.1
2148	87.3	86.9	87.8	86.9	85.8	86.2	86.2	85.3	84.7	85.8	85.5	82.8	82.8	83.3	83.8	87.8	97.5
2153	87.3	86.9	87.8	86.9	85.8	86.2	86.2	85.3	84.7	85.8	85.5	82.8	82.8	83.3	83.8	87.8	96.9
2158	87.3	86.9	87.8	86.9	85.8	86.2	86.2	85.3	84.7	85.8	84.4	82.8	82.8	83.3	83.8	86.8	96.7
2163	87.3	86.9	87.8	86.9	85.8	86.2	86.2	85.3	84.7	85.8	84.4	82.8	82.8	83.3	83.8	86.8	96.6
2168	87.3	86.9	87.8	86.9	85.8	86.2	86.2	85.3	84.7	85.8	84.4	82.8	82.8	83.3	83.8	86.8	96.7
2173	87.3	86.9	87.8	86.9	85.8	86.2	86.2	85.3	84.7	84.7	84.4	82.8	82.8	83.3	83.8	86.8	96.5
2178	87.3	86.9	86.7	86.9	84.7	86.2	85.1	85.3	84.7	84.7	84.4	82.8	82.8	83.3	83.8	86.8	96.4
2183	86.2	85.8	86.7	86.9	84.7	86.2	85.1	85.3	84.7	84.7	84.4	82.8	82.8	83.3	83.8	86.8	96.2
2188	86.2	85.8	86.7	86.9	84.7	86.2	85.1	85.3	84.7	84.7	84.4	82.8	82.8	83.3	83.8	86.8	96.2
2193	86.2	85.8	86.7	86.9	84.7	85.1	85.1	84.2	84.7	84.7	84.4	82.8	82.8	83.3	83.8	86.8	96.1
2198	86.2	85.8	86.7	85.8	84.7	85.1	85.1	84.2	83.7	84.7	84.4	82.8	82.8	83.3	83.8	86.8	96.1
2203	86.2	85.8	86.7	85.8	84.7	85.1	85.1	84.2	83.7	84.7	84.4						

2318	85.1	84.7	84.6	84.7	83.7	84.0	84.0	83.1	82.6	83.7	82.2	80.6	81.7	81.1	81.7	84.7	94.5
2323	85.1	84.7	84.6	84.7	83.7	84.0	82.9	83.1	82.6	83.7	82.2	80.6	81.7	81.1	81.7	84.7	94.6
2328	84.0	84.7	84.6	84.7	83.7	84.0	82.9	83.1	82.6	83.7	82.2	80.6	80.6	81.1	81.7	84.7	94.3
2333	84.0	84.7	84.6	84.7	83.7	82.9	82.9	83.1	82.6	83.7	82.2	80.6	80.6	81.1	81.7	84.7	94.3
2338	84.0	84.7	84.6	84.7	83.7	82.9	82.9	83.1	82.6	83.7	82.2	80.6	80.6	81.1	81.7	84.7	94.3
2343	84.0	83.7	84.6	84.7	82.6	82.9	82.9	83.1	82.6	83.7	82.2	80.6	80.6	81.1	81.7	84.7	94.1
2348	84.0	83.7	84.6	84.7	82.6	82.9	82.9	83.1	82.6	82.6	82.2	80.6	80.6	81.1	81.7	84.7	94.0
2353	84.0	83.7	84.6	83.7	82.6	82.9	82.9	83.1	82.6	82.6	82.2	80.6	80.6	81.1	81.7	84.7	93.7
2358	84.0	83.7	84.6	83.7	82.6	82.9	82.9	83.1	82.6	82.6	82.2	80.6	80.6	81.1	81.7	84.7	93.8
2363	84.0	83.7	84.6	83.7	82.6	82.9	82.9	82.0	82.6	82.6	82.2	80.6	80.6	81.1	81.7	83.7	93.9
2368	84.0	83.7	84.6	83.7	82.6	82.9	82.9	82.0	82.6	82.6	82.2	80.6	80.6	81.1	81.7	83.7	93.8
2373	84.0	83.7	84.6	83.7	82.6	82.9	82.9	82.0	82.6	82.6	82.2	80.6	80.6	81.1	81.7	83.7	94.0
2378	84.0	83.7	84.6	83.7	82.6	82.9	82.9	82.0	82.6	82.6	82.2	80.6	80.6	81.1	80.6	83.7	93.8
2383	84.0	83.7	84.6	83.7	82.6	82.9	82.9	82.0	82.6	82.6	82.2	80.6	80.6	81.1	80.6	83.7	93.6
2388	84.0	83.7	84.6	83.7	82.6	82.9	82.9	82.0	81.5	82.6	82.2	80.6	80.6	81.1	80.6	83.7	93.7
2393	84.0	83.7	84.6	83.7	82.6	82.9	82.9	82.0	81.5	82.6	82.2	80.6	80.6	81.1	80.6	83.7	93.2
2398	84.0	83.7	83.5	83.7	82.6	82.9	82.9	82.0	81.5	82.6	82.2	80.6	80.6	81.1	80.6	83.7	93.7
2403	84.0	83.7	83.5	83.7	82.6	82.9	82.9	82.0	81.5	82.6	82.2	80.6	80.6	80.1	80.6	83.7	93.6
2408	84.0	83.7	83.5	83.7	82.6	82.9	82.9	82.0	81.5	82.6	82.2	80.6	80.6	80.1	80.6	83.7	93.5
2413	82.9	82.6	83.5	83.7	82.6	82.9	82.9	82.0	81.5	82.6	82.2	80.6	80.6	80.1	80.6	83.7	92.9
2418	82.9	82.6	83.5	83.7	82.6	82.9	82.9	82.0	81.5	82.6	82.2	80.6	80.6	80.1	80.6	83.7	94.0
2423	82.9	82.6	83.5	83.7	82.6	82.9	82.9	82.0	81.5	82.6	82.2	80.6	80.6	80.1	80.6	83.7	93.5
2428	82.9	82.6	83.5	83.7	82.6	82.9	81.9	82.0	81.5	82.6	81.1	80.6	80.6	80.1	80.6	83.7	93.3
2433	82.9	82.6	83.5	83.7	81.5	81.9	81.9	82.0	81.5	82.6	81.1	80.6	80.6	80.1	80.6	83.7	93.2
2438	82.9	82.6	83.5	82.6	81.5	81.9	81.9	82.0	81.5	82.6	81.1	79.5	80.6	80.1	80.6	83.7	92.9
2443	82.9	82.6	83.5	82.6	81.5	81.9	81.9	82.0	81.5	82.6	81.1	79.5	80.6	80.1	80.6	83.7	93.0
2448	82.9	82.6	83.5	82.6	81.5	81.9	81.9	82.0	81.5	82.6	81.1	79.5	79.5	80.1	80.6	82.6	93.4
2453	82.9	82.6	83.5	82.6	81.5	81.9	81.9	82.0	81.5	81.5	81.1	79.5	79.5	80.1	80.6	82.6	92.8
2458	82.9	82.6	83.5	82.6	81.5	81.9	81.9	82.0	81.5	81.5	81.1	79.5	79.5	80.1	80.6	82.6	92.5
2463	82.9	82.6	83.5	82.6	81.5	81.9	81.9	82.0	81.5	81.5	81.1	79.5	79.5	80.1	80.6	82.6	92.8
2468	82.9	82.6	83.5	82.6	81.5	81.9	81.9	81.0	81.5	81.5	81.1	79.5	79.5	80.1	80.6	82.6	92.8
2473	82.9	82.6	83.5	82.6	81.5	81.9	81.9	81.0	81.5	81.5	81.1	79.5	79.5	80.1	80.6	82.6	92.8
2478	82.9	82.6	83.5	82.6	81.5	81.9	81.9	81.0	81.5	81.5	81.1	79.5	79.5	80.1	80.6	82.6	92.8
2483	82.9	82.6	82.4	82.6	81.5	81.9	81.9	81.0	81.5	81.5	81.1	79.5	79.5	80.1	80.6	82.6	92.3
2488	82.9	82.6	82.4	82.6	81.5	81.9	81.9	81.0	81.5	81.5	81.1	79.5	79.5	80.1	80.6	82.6	92.8
2493	82.9	82.6	82.4	82.6	81.5	81.9	81.9	81.0	80.4	81.5	81.1	79.5	79.5	80.1	79.5	82.6	92.3
2498	82.9	82.6	82.4	82.6	81.5	81.9	81.9	81.0	80.4	81.5	81.1	79.5	79.5	80.1	79.5	82.6	92.5

7.3 Wall Thermocouple and Plate Thermometer Data

Note: The data below indicates considerable differences between the temperatures measured on the north and west walls. The former appear to closely follow the temperatures measured for the structural steel column while the latter somewhat follow the furnace temperature curve, but with enhanced heating (higher temperatures) at early times. The reasons for these discrepancies are unknown at this time and resolving them was beyond the scope of the present study. It is therefore recommended that the wall temperature data be used with caution. Conversely, the values measured for the two plate thermometers appear quite reasonable in comparison to the average conventionally measured furnace temperature.

		North wall			West wall			Plate thermometers		
Time	Time	TC #19	TC #20	AVE.	TC #21	TC #22	AVE.	TC #23	TC #24	AVE
hr:min:sec	Min	Deg.F	Deg.F	Deg.F	Deg.F	Deg.F	Deg.F	Deg.F	Deg.F	Deg.F
0:00:00	0	68.8	67.2	68.0	108.3	219.0	163.7	91.6	82.8	87.2
0:01:00	1	78.8	75.5	77.1	231.6	503.2	367.4	160.0	131.2	145.6
0:02:00	2	127.4	108.7	118.1	750.0	928.2	839.1	550.6	394.2	472.4
0:03:00	3	168.8	144.4	156.6	898.0	1038.4	968.2	846.9	643.1	745.0
0:04:00	4	206.5	176.8	191.6	966.6	1043.8	1005.2	1038.6	812.7	925.6
0:05:00	5	237.6	202.1	219.9	961.3	1017.3	989.3	1135.8	913.1	1024.4
0:06:00	6	277.8	236.5	257.2	935.1	1011.4	973.2	1233.7	1059.4	1146.6
0:07:00	7	311.4	267.0	289.2	932.0	992.8	962.4	1282.3	1131.3	1206.8
0:08:00	8	339.2	294.2	316.7	964.9	975.0	970.0	1244.1	1150.2	1197.1
0:09:00	9	371.4	322.5	346.9	959.0	1052.8	1005.9	1256.9	1205.2	1231.1
0:10:00	10	403.6	352.5	378.1	973.9	1080.7	1027.3	1312.7	1254.9	1283.8
0:11:00	11	437.0	384.0	410.5	1073.7	1089.3	1081.5	1312.0	1255.3	1283.6
0:12:00	12	469.7	414.1	441.9	1052.1	1122.8	1087.4	1340.8	1259.8	1300.3
0:13:00	13	503.6	443.1	473.3	1087.2	1170.5	1128.8	1373.2	1268.6	1320.9
0:14:00	14	540.5	477.1	508.8	1146.0	1211.2	1178.6	1424.3	1306.9	1365.6
0:15:00	15	576.5	509.2	542.8	1225.8	1207.0	1216.4	1453.3	1303.2	1378.2
0:16:00	16	618.0	541.9	580.0	1291.6	1312.9	1302.3	1491.3	1357.9	1424.6
0:17:00	17	665.6	594.3	629.9	1334.7	1323.3	1329.0	1489.5	1452.2	1470.8
0:18:00	18	712.5	647.6	680.1	1351.0	1359.7	1355.4	1470.6	1507.6	1489.1
0:19:00	19	760.7	698.3	729.5	1361.7	1371.2	1366.4	1477.4	1504.6	1491.0
0:20:00	20	815.0	755.3	785.2	1360.9	1374.1	1367.5	1466.1	1486.2	1476.1
0:21:00	21	863.4	802.2	832.8	1379.5	1385.8	1382.6	1487.3	1477.4	1482.4
0:22:00	22	902.9	834.1	868.5	1351.8	1339.3	1345.6	1484.6	1406.3	1445.5
0:23:00	23	943.6	867.1	905.3	1413.7	1416.0	1414.9	1519.3	1405.0	1462.2
0:24:00	24	988.4	904.2	946.3	1390.6	1401.1	1395.9	1538.2	1425.2	1481.7
0:25:00	25	1036.2	951.7	993.9	1434.0	1414.8	1424.4	1548.7	1440.7	1494.7
0:26:00	26	1080.0	994.2	1037.1	1429.0	1410.3	1419.6	1558.0	1447.2	1502.6
0:27:00	27	1117.7	1030.0	1073.8	1427.7	1427.7	1427.7	1573.0	1434.4	1503.7
0:28:00	28	1153.1	1065.4	1109.2	1419.1	1419.4	1419.3	1573.7	1432.8	1503.2
0:29:00	29	1183.9	1097.2	1140.5	1412.1	1429.0	1420.5	1580.2	1438.3	1509.3
0:30:00	30	1216.7	1130.8	1173.8	1402.3	1416.6	1409.5	1564.9	1462.3	1513.6
0:31:00	31	1247.5	1163.6	1205.6	1441.8	1444.5	1443.1	1559.7	1481.2	1520.4
0:32:00	32	1273.5	1192.4	1232.9	1449.7	1443.9	1446.8	1555.0	1501.5	1528.3
0:33:00	33	1300.5	1221.2	1260.9	1438.9	1464.3	1451.6	1563.8	1515.9	1539.9
0:34:00	34	1322.8	1246.7	1284.7	1452.7	1481.2	1467.0	1569.0	1518.4	1543.7
0:35:00	35	1342.0	1269.3	1305.6	1483.5	1462.6	1473.1	1583.1	1528.3	1555.7
0:36:00	36	1361.4	1291.7	1326.5	1487.1	1477.4	1482.3	1586.5	1531.0	1558.8
0:37:00	37	1377.4	1312.7	1345.0	1507.5	1486.9	1497.2	1596.9	1537.2	1567.0
0:38:00	38	1397.5	1334.3	1365.9	1493.6	1513.9	1503.8	1596.6	1552.3	1574.4
0:39:00	39	1413.3	1353.1	1383.2	1512.5	1503.9	1508.2	1608.4	1553.7	1581.1
0:40:00	40	1432.0	1370.8	1401.4	1511.1	1516.5	1513.8	1612.0	1563.3	1587.7
0:41:00	41	1450.0	1386.5	1418.3	1510.9	1514.7	1512.8	1614.4	1571.5	1593.0
0:42:00	42	1469.1	1404.2	1436.6	1516.6	1517.9	1517.3	1617.1	1582.9	1600.0
0:43:00	43	1486.5	1420.2	1453.4	1549.8	1539.9	1544.8	1629.5	1589.0	1609.3
0:44:00	44	1505.3	1437.7	1471.5	1535.9	1538.6	1537.3	1620.1	1611.7	1615.9

0:45:00	45	1520.9	1454.7	1487.8	1557.5	1544.0	1550.8	1611.3	1619.4	1615.4
0:46:00	46	1533.3	1469.4	1501.4	1543.1	1546.9	1545.0	1612.6	1614.6	1613.6
0:47:00	47	1544.7	1484.3	1514.5	1560.7	1559.8	1560.3	1607.7	1617.8	1612.8
0:48:00	48	1555.5	1500.0	1527.7	1563.1	1546.3	1554.7	1617.6	1625.9	1621.8
0:49:00	49	1568.8	1515.7	1542.2	1557.5	1560.4	1558.9	1626.3	1626.4	1626.4
0:50:00	50	1578.4	1529.7	1554.1	1578.4	1567.0	1572.7	1630.6	1641.0	1635.8
0:51:00	51	1588.9	1542.6	1565.7	1591.9	1579.1	1585.5	1638.3	1644.4	1641.4
0:52:00	52	1599.3	1556.4	1577.9	1585.4	1584.5	1585.0	1638.9	1649.7	1644.3
0:53:00	53	1611.1	1568.2	1589.7	1601.1	1581.1	1591.1	1646.6	1659.6	1653.1
0:54:00	54	1624.3	1581.7	1603.0	1599.8	1576.8	1588.3	1654.5	1664.2	1659.4
0:55:00	55	1633.5	1590.6	1612.0	1621.8	1584.0	1602.9	1654.5	1673.1	1663.8
0:56:00	56	1642.0	1599.4	1620.7	1596.0	1585.0	1590.5	1654.7	1666.8	1660.7
0:57:00	57	1645.3	1605.2	1625.3	1592.6	1563.6	1578.1	1640.3	1641.6	1640.9
0:58:00	58	1645.3	1608.7	1627.0	1565.1	1566.7	1565.9	1630.9	1630.4	1630.7
0:59:00	59	1646.8	1614.9	1630.9	1581.3	1570.3	1575.8	1629.3	1634.5	1631.9
1:00:00	60	1652.9	1624.0	1638.5	1603.6	1585.6	1594.6	1650.2	1658.3	1654.3
1:01:00	61	1662.8	1633.9	1648.4	1614.6	1593.1	1603.9	1676.7	1668.2	1672.4
1:02:00	62	1669.1	1642.2	1655.7	1626.1	1608.4	1617.3	1679.5	1677.9	1678.7
1:03:00	63	1675.3	1650.0	1662.6	1636.2	1598.5	1617.4	1683.0	1679.7	1681.3
1:04:00	64	1681.8	1658.7	1670.3	1642.1	1604.1	1623.1	1693.2	1692.0	1692.6
1:05:00	65	1690.6	1668.6	1679.6	1654.7	1619.6	1637.2	1695.2	1692.3	1693.8
1:06:00	66	1697.3	1677.4	1687.4	1658.5	1619.2	1638.9	1705.5	1704.4	1704.9
1:07:00	67	1705.4	1684.4	1694.9	1665.0	1632.9	1648.9	1712.5	1711.6	1712.0
1:08:00	68	1712.0	1692.4	1702.2	1666.8	1634.5	1650.7	1717.7	1715.0	1716.4
1:09:00	69	1714.5	1697.1	1705.8	1659.6	1624.5	1642.0	1706.9	1704.6	1705.7
1:10:00	70	1714.5	1701.1	1707.8	1646.1	1621.6	1633.8	1702.8	1695.0	1698.9
1:11:00	71	1717.4	1705.4	1711.4	1657.9	1625.9	1641.9	1704.0	1700.4	1702.2
1:12:00	72	1719.8	1710.2	1715.0	1672.7	1628.1	1650.4	1704.9	1706.4	1705.6
1:13:00	73	1723.0	1714.7	1718.9	1669.5	1635.4	1652.5	1709.8	1710.9	1710.3
1:14:00	74	1727.1	1719.0	1723.0	1665.1	1633.8	1649.5	1709.8	1709.4	1709.6
1:15:00	75	1729.7	1722.7	1726.2	1677.0	1633.5	1655.2	1713.7	1713.4	1713.6
1:16:00	76	1666.2	1676.4	1671.3	1390.8	1276.3	1333.6	1475.1	1476.1	1475.6
1:17:00	77	1597.7	1626.0	1611.8	1271.3	1144.0	1207.7	1319.2	1316.7	1317.9
1:18:00	78	1540.2	1579.6	1559.9	1213.7	1101.9	1157.8	1245.2	1239.6	1242.4
1:19:00	79	1489.1	1535.5	1512.3	1162.0	1065.2	1113.6	1194.3	1190.7	1192.5
1:20:00	80	1452.5	1502.1	1477.3	1129.5	1033.9	1081.7	1159.2	1154.8	1157.0
1:21:00	81	1430.4	1472.1	1451.2	1097.2	1000.2	1048.7	1122.1	1117.8	1119.9
1:22:00	82	1408.9	1444.3	1426.6	1069.7	964.8	1017.2	1095.1	1087.9	1091.5
1:23:00	83	1387.0	1422.4	1404.7	1038.7	942.1	990.4	1071.0	1062.7	1066.8
1:24:00	84	1366.3	1408.8	1387.6	1017.0	921.9	969.4	1047.7	1039.5	1043.6
1:25:00	85	1347.3	1393.6	1370.5	996.8	901.6	949.2	1027.9	1018.6	1023.3
1:26:00	86	1328.0	1376.3	1352.1	982.8	888.6	935.7	1008.9	1000.6	1004.7
1:27:00	87	1307.9	1357.7	1332.8	962.2	859.6	910.9	990.1	985.3	987.7
1:28:00	88	1289.0	1340.0	1314.5	946.0	843.1	894.6	972.9	966.7	969.8
1:29:00	89	1270.2	1323.1	1296.6	926.2	832.5	879.3	955.8	949.3	952.5
1:30:00	90	1251.3	1306.0	1278.6	905.2	811.4	858.3	940.6	934.3	937.5
1:31:00	91	1234.3	1290.3	1262.3	899.1	799.7	849.4	926.8	920.7	923.7
1:32:00	92	1215.8	1273.0	1244.4	879.3	783.1	831.2	913.6	906.6	910.1
1:33:00	93	1199.8	1257.6	1228.7	868.5	770.5	819.5	898.7	892.9	895.8
1:34:00	94	1182.2	1240.1	1211.2	852.1	758.5	805.3	887.0	880.5	883.8
1:35:00	95	1165.7	1223.4	1194.5	838.4	742.3	790.3	873.0	865.9	869.4
1:36:00	96	1150.1	1207.2	1178.7	824.5	730.6	777.6	860.2	853.0	856.6
1:37:00	97	1135.7	1191.0	1163.4	814.6	716.7	765.7	846.9	840.6	843.7
1:38:00	98	1122.2	1176.2	1149.2	799.9	696.7	748.3	834.8	827.4	831.1
1:39:00	99	1107.5	1159.9	1133.7	792.9	693.0	742.9	821.3	813.6	817.4
1:40:00	100	1092.9	1144.2	1118.5	774.5	676.0	725.3	808.9	800.6	804.7
1:41:00	101	1078.9	1128.9	1103.9	769.3	668.7	719.0	796.3	789.8	793.0
1:42:00	102	1064.4	1113.5	1089.0	760.1	663.6	711.9	785.8	778.6	782.2
1:43:00	103	1050.5	1099.7	1075.1	747.0	649.0	698.0	773.6	767.7	770.6
1:44:00	104	1038.0	1087.2	1062.6	741.6	639.7	690.6	763.7	757.4	760.6
1:45:00	105	1024.3	1073.0	1048.7	730.4	631.0	680.7	755.1	746.8	750.9
1:46:00	106	1011.5	1059.3	1035.4	721.9	621.9	671.9	743.9	738.0	740.9
1:47:00	107	998.9	1045.6	1022.2	710.6	617.4	664.0	736.3	728.4	732.4
1:48:00	108	986.5	1031.4	1008.9	707.4	604.9	656.1	724.8	717.8	721.3

1:49:00	109	975.2	1018.6	996.9	699.4	600.3	649.8	717.3	710.1	713.7
1:50:00	110	963.1	1005.2	984.2	686.1	591.6	638.9	708.8	701.2	705.0
1:51:00	111	952.5	992.4	972.5	680.5	585.9	633.2	698.4	692.8	695.6
1:52:00	112	940.5	979.8	960.1	671.4	574.5	622.9	689.9	683.2	686.6
1:53:00	113	929.4	967.5	948.4	662.5	566.6	614.6	683.1	675.3	679.2
1:54:00	114	918.3	955.2	936.7	659.5	560.5	610.0	672.3	665.8	669.0
1:55:00	115	908.5	944.3	926.4	655.0	555.6	605.3	664.5	657.7	661.1
1:56:00	116	898.7	932.1	915.4	647.6	545.9	596.8	655.0	650.8	652.9
1:57:00	117	888.8	921.1	904.9	642.0	544.8	593.4	647.1	642.2	644.6
1:58:00	118	877.9	910.1	894.0	631.8	537.1	584.4	639.9	633.9	636.9
1:59:00	119	867.8	899.1	883.5	624.0	528.6	576.3	631.0	625.3	628.2
2:00:00	120	858.4	888.7	873.5	618.3	524.3	571.3	623.7	620.2	622.0
2:01:00	121	849.2	878.6	863.9	613.0	531.5	572.3	617.4	613.6	615.5
2:02:00	122	841.1	868.5	854.8	607.5	512.1	559.8	609.4	604.9	607.2
2:03:00	123	831.6	858.8	845.2	600.3	507.7	554.0	601.7	597.7	599.7
2:04:00	124	822.7	849.3	836.0	596.7	500.5	548.6	595.4	591.8	593.6
2:05:00	125	813.9	839.7	826.8	592.9	503.1	548.0	587.7	585.9	586.8
2:06:00	126	806.8	830.8	818.8	590.7	490.8	540.8	582.1	578.3	580.2
2:07:00	127	798.3	822.7	810.5	582.1	489.6	535.8	575.6	573.1	574.3
2:08:00	128	789.9	813.9	801.9	576.0	485.6	530.8	568.8	567.1	568.0
2:09:00	129	782.2	804.5	793.3	572.2	483.6	527.9	563.2	561.0	562.1
2:10:00	130	773.4	795.8	784.6	568.0	475.2	521.6	556.2	554.9	555.5
2:11:00	131	765.8	787.7	776.7	561.9	476.6	519.3	551.5	549.3	550.4
2:12:00	132	758.6	780.0	769.3	559.6	467.4	513.5	544.6	544.3	544.5
2:13:00	133	752.1	772.8	762.5	553.8	461.8	507.8	539.6	538.0	538.8
2:14:00	134	745.1	765.0	755.0	549.7	459.5	504.6	533.5	533.1	533.3
2:15:00	135	738.1	756.7	747.4	544.3	458.4	501.4	527.9	527.2	527.5
2:16:00	136	731.2	749.0	740.1	542.7	453.2	497.9	523.0	523.6	523.3
2:17:00	137	723.2	742.0	732.6	536.9	456.1	496.5	518.7	517.8	518.3
2:18:00	138	717.5	735.7	726.6	532.0	450.9	491.5	513.3	512.8	513.0
2:19:00	139	710.7	728.8	719.8	527.2	444.2	485.7	508.5	508.3	508.4
2:20:00	140	703.6	722.0	712.8	526.5	440.6	483.5	503.1	503.4	503.2
2:21:00	141	698.0	714.3	706.2	524.1	434.8	479.5	498.6	499.3	498.9
2:22:00	142	690.9	707.7	699.3	517.6	434.1	475.9	493.5	494.1	493.8
2:23:00	143	686.0	702.4	694.2	514.8	434.1	474.4	489.7	489.4	489.6
2:24:00	144	679.9	695.8	687.8	514.0	427.3	470.7	484.5	484.9	484.7
2:25:00	145	674.0	689.5	681.7	507.2	429.1	468.1	480.4	480.4	480.4
2:26:00	146	667.3	682.6	674.9	507.2	418.5	462.8	474.8	476.2	475.5
2:27:00	147	662.6	676.6	669.6	499.3	412.9	456.1	469.8	471.4	470.6
2:28:00	148	657.1	670.7	663.9	496.9	406.4	451.7	466.3	467.2	466.8
2:29:00	149	651.5	665.7	658.6	494.6	409.5	452.0	460.8	463.3	462.0
2:30:00	150	646.1	660.1	653.1	490.3	408.9	449.6	458.1	459.3	458.7
2:31:00	151	641.0	654.7	647.8	489.7	404.1	446.9	453.4	455.4	454.4
2:32:00	152	635.8	649.3	642.5	484.9	408.4	446.6	448.9	452.7	450.8
2:33:00	153	630.8	643.9	637.3	483.4	403.7	443.6	447.1	449.1	448.1
2:34:00	154	625.7	638.5	632.1	479.5	400.8	440.2	442.9	445.3	444.1
2:35:00	155	620.5	633.4	626.9	481.5	396.0	438.7	439.2	441.9	440.5
2:36:00	156	615.9	628.3	622.1	476.2	398.7	437.5	437.9	439.0	438.4
2:37:00	157	611.2	623.4	617.3	475.2	396.0	435.6	433.8	434.8	434.3
2:38:00	158	606.6	618.5	612.5	471.2	392.4	431.8	429.6	432.5	431.1
2:39:00	159	602.0	613.5	607.7	468.1	389.5	428.8	427.6	428.5	428.1
2:40:00	160	597.4	608.5	602.9	465.3	383.0	424.1	424.9	424.2	424.6
2:41:00	161	592.9	603.9	598.4	460.9	381.9	421.4	420.6	420.6	420.6
2:42:00	162	588.4	598.9	593.6	460.0	380.1	420.1	416.3	417.4	416.8
2:43:00	163	584.2	594.9	589.6	455.4	377.4	416.4	413.6	414.7	414.1
2:44:00	164	580.0	590.3	585.2	452.5	375.1	413.8	411.1	410.5	410.8
2:45:00	165	575.9	585.9	580.9	451.9	372.7	412.3	407.3	408.2	407.8
2:46:00	166	571.5	581.4	576.4	450.7	369.7	410.2	404.6	405.0	404.8
2:47:00	167	567.6	577.4	572.5	447.3	372.7	410.0	402.4	402.6	402.5
2:48:00	168	563.8	573.3	568.5	448.0	366.8	407.4	399.7	400.1	399.9
2:49:00	169	559.7	569.2	564.4	444.4	365.5	405.0	397.2	397.8	397.5
2:50:00	170	555.8	565.1	560.4	443.5	363.2	403.3	394.5	395.1	394.8
2:51:00	171	551.9	561.0	556.4	441.5	364.1	402.8	393.3	392.7	393.0
2:52:00	172	548.1	556.9	552.5	439.7	364.3	402.0	390.7	390.0	390.4

2:53:00	173	544.1	553.3	548.7	437.4	356.9	397.1	387.0	387.5	387.2
2:54:00	174	540.3	549.5	544.9	435.0	365.9	400.5	384.4	385.0	384.7
2:55:00	175	536.6	545.7	541.2	432.7	359.6	396.1	381.9	382.8	382.4
2:56:00	176	533.1	542.0	537.6	433.2	360.0	396.6	380.7	381.4	381.0
2:57:00	177	529.9	538.3	534.1	431.8	354.2	393.0	378.0	378.9	378.4
2:58:00	178	526.2	534.4	530.3	427.8	353.1	390.5	375.6	376.3	376.0
2:59:00	179	522.7	531.9	527.3	423.7	350.8	387.2	373.5	374.2	373.8
3:00:00	180	520.5	527.3	523.9	424.4	348.3	386.3	371.1	370.9	371.0
3:01:00	181	516.6	523.9	520.3	420.6	346.6	383.6	369.0	369.7	369.3
3:02:00	182	512.8	520.9	516.8	420.6	341.2	380.9	366.6	367.2	366.9
3:03:00	183	509.6	518.1	513.8	417.6	342.1	379.9	364.8	364.8	364.8
3:04:00	184	506.8	514.7	510.7	416.3	343.6	379.9	361.6	362.7	362.1
3:05:00	185	503.2	510.3	506.8	413.8	339.4	376.6	360.3	360.3	360.3
3:06:00	186	500.4	507.6	504.0	411.3	336.9	374.1	357.8	356.7	357.3
3:07:00	187	497.7	504.1	500.9	411.3	337.1	374.2	355.6	355.6	355.6
3:08:00	188	493.9	501.3	497.6	406.6	332.6	369.6	352.9	352.9	352.9
3:09:00	189	491.2	498.1	494.6	406.4	332.6	369.5	351.7	351.7	351.7
3:10:00	190	488.4	495.5	492.0	405.7	333.7	369.7	350.1	349.2	349.6
3:11:00	191	485.7	491.8	488.7	403.2	332.6	367.9	346.8	346.8	346.8
3:12:00	192	483.2	488.9	486.1	402.6	328.8	365.7	344.3	344.5	344.4
3:13:00	193	479.4	485.5	482.4	399.4	325.0	362.2	343.2	343.2	343.2
3:14:00	194	476.5	482.9	479.7	399.6	326.3	362.9	342.1	341.1	341.6
3:15:00	195	473.8	479.9	476.9	397.0	325.8	361.4	339.4	338.7	339.1
3:16:00	196	471.2	477.0	474.1	398.8	323.8	361.3	338.2	336.6	337.4
3:17:00	197	468.7	474.3	471.5	397.8	320.2	359.0	336.7	335.3	336.0
3:18:00	198	466.2	472.1	469.1	394.5	318.9	356.7	334.0	333.0	333.5
3:19:00	199	463.7	469.1	466.4	392.2	318.2	355.2	332.6	331.9	332.2
3:20:00	200	461.3	466.6	463.9	387.5	323.2	355.4	331.0	329.7	330.4
3:21:00	201	458.5	463.0	460.7	388.0	317.5	352.8	328.6	327.4	328.0
3:22:00	202	455.9	460.6	458.2	387.9	318.7	353.3	327.6	326.3	326.9
3:23:00	203	453.4	458.1	455.7	385.9	318.6	352.2	325.0	325.2	325.1
3:24:00	204	450.9	455.4	453.1	383.0	316.0	349.5	323.8	323.1	323.4
3:25:00	205	448.3	452.9	450.6	381.7	310.6	346.2	322.7	320.7	321.7
3:26:00	206	445.3	450.4	447.9	381.2	310.6	345.9	321.3	319.5	320.4
3:27:00	207	443.7	447.7	445.7	379.9	311.9	345.9	318.7	318.4	318.6
3:28:00	208	441.1	445.0	443.0	379.8	306.3	343.0	316.2	316.9	316.6
3:29:00	209	438.3	442.5	440.4	378.3	305.8	342.1	314.6	314.1	314.3
3:30:00	210	435.9	440.0	438.0	374.2	306.3	340.3	313.3	312.8	313.1
3:31:00	211	433.5	437.8	435.7	375.1	305.8	340.4	312.3	311.5	311.9
3:32:00	212	431.3	436.3	433.8	373.5	303.4	338.5	310.6	310.1	310.4
3:33:00	213	428.9	433.8	431.3	373.1	306.3	339.7	309.6	308.8	309.2
3:34:00	214	426.3	431.4	428.9	372.9	304.9	338.9	307.8	306.5	307.1
3:35:00	215	424.0	429.2	426.6	371.3	307.4	339.4	306.5	305.2	305.9
3:36:00	216	422.7	426.4	424.6	369.7	304.7	337.2	305.4	304.2	304.8
3:37:00	217	420.5	424.4	422.4	367.0	297.1	332.1	304.3	303.1	303.7
3:38:00	218	418.3	422.1	420.2	365.5	295.2	330.4	302.0	301.8	301.9
3:39:00	219	416.1	419.8	417.9	367.7	295.7	331.7	299.8	299.7	299.8
3:40:00	220	413.9	417.5	415.7	366.6	296.4	331.5	298.4	298.6	298.5
3:41:00	221	411.6	415.2	413.4	360.5	293.9	327.2	298.4	295.9	297.1
3:42:00	222	409.4	412.9	411.2	360.1	288.1	324.1	297.3	294.8	296.1
3:43:00	223	408.0	410.7	409.4	361.8	291.7	326.8	296.1	293.5	294.8
3:44:00	224	405.3	409.7	407.5	361.6	293.5	327.6	295.0	292.5	293.7
3:45:00	225	403.1	407.1	405.1	360.0	293.9	326.9	292.8	291.4	292.1
3:46:00	226	402.0	405.7	403.9	360.9	290.3	325.6	291.7	290.3	291.0
3:47:00	227	399.4	403.4	401.4	359.1	289.9	324.5	290.3	289.2	289.8
3:48:00	228	398.2	401.2	399.7	360.3	287.1	323.7	288.1	288.1	288.1
3:49:00	229	395.6	399.9	397.8	356.2	288.7	322.4	286.7	287.1	286.9
3:50:00	230	394.4	397.4	395.9	355.6	289.8	322.7	285.6	286.0	285.8
3:51:00	231	391.9	396.1	394.0	354.4	289.6	322.0	284.5	284.9	284.7
3:52:00	232	390.7	393.8	392.3	354.4	286.2	320.3	283.5	283.8	283.6
3:53:00	233	388.3	392.5	390.4	352.0	291.7	321.9	282.2	283.8	283.0
3:54:00	234	387.0	390.4	388.7	352.0	286.9	319.5	280.9	282.6	281.8
3:55:00	235	384.7	388.2	386.4	350.4	282.6	316.5	279.9	281.5	280.7
3:56:00	236	383.5	387.1	385.3	349.3	285.1	317.2	279.9	280.4	280.1

3:57:00	237	380.9	384.8	382.8	350.2	279.3	314.8	278.8	279.3	279.1
3:58:00	238	379.5	383.5	381.5	348.3	285.1	316.7	278.8	278.2	278.5
3:59:00	239	377.3	381.3	379.3	347.0	281.1	314.1	277.7	275.7	276.7
4:00:00	240	376.2	379.1	377.6	347.9	279.0	313.4	276.4	275.7	276.1
4:01:00	241	374.0	377.8	375.9	345.9	279.0	312.4	276.4	274.6	275.5
4:02:00	242	372.7	375.6	374.2	343.0	272.1	307.6	275.0	273.6	274.3
4:03:00	243	371.5	374.6	373.0	341.4	276.1	308.8	275.0	272.3	273.7
4:04:00	244	369.4	372.3	370.9	342.3	276.1	309.2	273.7	271.2	272.5
4:05:00	245	368.1	371.1	369.6	342.1	276.1	309.1	272.7	270.1	271.4
4:06:00	246	365.9	368.8	367.4	340.3	271.4	305.9	271.4	268.0	269.7
4:07:00	247	364.8	367.7	366.3	340.0	271.4	305.7	270.3	268.0	269.2
4:08:00	248	362.8	366.6	364.7	336.6	275.2	305.9	269.2	266.7	268.0
4:09:00	249	361.5	364.1	362.8	337.6	272.1	304.9	268.0	265.6	266.8
4:10:00	250	360.2	362.9	361.6	337.3	270.7	304.0	266.9	264.6	265.7
4:11:00	251	358.1	360.8	359.5	335.7	268.5	302.1	265.6	263.5	264.6
4:12:00	252	357.0	359.7	358.4	335.7	267.6	301.6	264.6	262.0	263.3
4:13:00	253	354.7	357.4	356.1	334.0	270.0	302.0	263.5	261.0	262.2
4:14:00	254	353.5	356.4	354.9	335.1	266.7	300.9	263.5	259.9	261.7
4:15:00	255	352.4	354.2	353.3	331.9	267.8	299.8	261.3	259.9	260.6
4:16:00	256	351.0	353.1	352.1	331.9	264.4	298.1	261.3	258.6	260.0
4:17:00	257	349.9	352.0	351.0	329.4	265.5	297.4	260.2	257.5	258.9
4:18:00	258	347.5	350.8	349.1	329.4	263.8	296.6	259.2	257.5	258.4
4:19:00	259	346.2	348.6	347.4	326.7	263.3	295.0	258.1	255.2	256.6
4:20:00	260	345.2	347.5	346.3	326.7	264.7	295.7	257.0	254.1	255.6
4:21:00	261	344.1	346.3	345.2	327.6	263.3	295.4	255.7	254.1	254.9
4:22:00	262	342.8	344.1	343.4	327.6	266.4	297.0	254.7	253.0	253.9
4:23:00	263	340.3	343.1	341.7	325.6	260.8	293.2	254.7	251.8	253.2
4:24:00	264	339.3	342.0	340.6	324.5	259.9	292.2	253.6	251.8	252.7
4:25:00	265	338.2	340.9	339.5	321.4	256.3	288.9	252.5	250.7	251.6
4:26:00	266	337.1	338.4	337.7	323.1	256.3	289.7	251.4	249.6	250.5
4:27:00	267	336.0	337.3	336.6	323.1	255.0	289.0	250.3	249.6	250.0
4:28:00	268	334.5	336.3	335.4	320.9	255.4	288.1	249.3	248.4	248.8
4:29:00	269	332.2	335.1	333.6	321.3	259.0	290.1	248.2	247.3	247.7
4:30:00	270	331.0	334.0	332.5	320.7	258.1	289.4	248.2	246.2	247.2
4:31:00	271	330.0	331.8	330.9	319.1	256.8	288.0	247.1	246.2	246.7
4:32:00	272	328.6	330.6	329.6	319.1	258.6	288.9	246.0	245.1	245.6
4:33:00	273	327.5	329.3	328.4	317.7	256.6	287.2	246.0	243.7	244.9
4:34:00	274	326.4	328.2	327.3	317.7	252.5	285.1	244.8	242.4	243.6
4:35:00	275	324.2	327.0	325.6	316.0	256.8	286.4	243.7	241.3	242.5
4:36:00	276	323.2	325.9	324.5	317.1	256.6	286.9	242.6	241.3	242.0
4:37:00	277	322.0	324.8	323.4	314.8	257.0	285.9	241.5	240.3	240.9
4:38:00	278	320.6	323.7	322.2	315.7	254.7	285.2	241.5	240.3	240.9
4:39:00	279	319.5	322.7	321.1	315.0	255.7	285.4	240.4	240.3	240.4
4:40:00	280	318.4	321.6	320.0	315.0	253.6	284.3	240.4	239.2	239.8
4:41:00	281	317.3	319.4	318.4	313.0	254.7	283.8	240.4	239.2	239.8
4:42:00	282	316.2	318.3	317.3	314.6	254.7	284.6	240.4	239.2	239.8
4:43:00	283	315.1	318.3	316.7	313.2	252.0	282.6	239.4	239.2	239.3
4:44:00	284	313.8	317.1	315.5	312.4	251.2	281.8	238.3	239.2	238.7
4:45:00	285	312.7	314.9	313.8	312.8	252.3	282.6	237.2	238.1	237.7
4:46:00	286	311.5	314.9	313.2	312.4	252.3	282.4	237.2	238.1	237.7
4:47:00	287	310.4	313.6	312.0	311.4	253.2	282.3	237.2	238.1	237.7
4:48:00	288	310.4	312.5	311.5	311.9	251.6	281.8	236.1	237.0	236.6
4:49:00	289	309.2	311.4	310.3	311.9	251.4	281.7	236.1	237.0	236.6
4:50:00	290	308.2	310.3	309.2	309.6	252.7	281.1	234.9	237.0	235.9
4:51:00	291	307.1	309.1	308.1	309.0	254.1	281.6	234.9	235.9	235.4
4:52:00	292	305.8	307.9	306.9	308.8	251.4	280.1	233.8	235.9	234.9
4:53:00	293	304.8	306.7	305.8	309.9	248.9	279.4	233.8	234.9	234.3
4:54:00	294	303.6	305.7	304.6	309.9	249.4	279.7	232.7	234.9	233.8
4:55:00	295	302.5	304.5	303.5	308.5	250.7	279.6	231.6	234.9	233.2
4:56:00	296	301.2	303.4	302.3	308.1	248.0	278.1	231.6	233.8	232.7
4:57:00	297	300.1	302.4	301.2	307.0	246.7	276.9	230.5	233.8	232.2
4:58:00	298	299.1	301.3	300.2	307.0	246.2	276.6	230.5	232.7	231.6
4:59:00	299	299.1	301.3	300.2	307.0	246.2	276.6	230.5	232.7	231.6
5:00:00	300	297.9	300.2	299.0	305.8	247.3	276.5	229.5	231.6	230.5

5:01:00	301	296.8	299.0	297.9	305.8	246.2	276.0	229.5	231.6	230.5
5:02:00	302	295.6	297.9	296.8	304.7	242.1	273.4	228.4	231.6	230.0
5:03:00	303	294.3	296.9	295.6	303.3	246.2	274.7	227.3	230.4	228.8
5:04:00	304	293.2	295.8	294.5	303.3	244.8	274.0	227.3	229.3	228.3
5:05:00	305	293.2	294.7	294.0	301.3	244.6	272.9	225.9	228.2	227.0
5:06:00	306	292.1	293.7	292.9	301.3	243.9	272.6	225.9	226.9	226.4
5:07:00	307	291.0	293.7	292.3	300.7	246.7	273.7	224.6	225.9	225.2
5:08:00	308	289.9	292.3	291.1	295.7	241.3	268.5	223.5	224.8	224.2
5:09:00	309	288.9	291.2	290.0	297.1	239.2	268.2	222.3	223.7	223.0
5:10:00	310	287.8	289.9	288.9	297.9	243.7	270.8	221.2	222.6	221.9
5:11:00	311	286.8	288.7	287.7	296.8	239.4	268.1	220.1	221.4	220.7
5:12:00	312	285.7	288.7	287.2	298.0	241.0	269.5	220.1	221.4	220.7
5:13:00	313	285.7	287.5	286.6	296.4	239.7	268.1	218.8	220.3	219.6
5:14:00	314	284.6	286.4	285.5	295.7	239.9	267.8	218.8	220.3	219.6
5:15:00	315	283.5	285.4	284.4	294.6	238.1	266.4	218.8	220.3	219.6
5:16:00	316	282.3	284.1	283.2	294.8	237.9	266.4	218.8	220.3	219.6
5:17:00	317	281.3	284.1	282.7	296.2	238.8	267.5	218.8	220.3	219.6
5:18:00	318	281.3	283.1	282.2	296.2	238.1	267.2	218.8	219.2	219.0
5:19:00	319	280.1	282.0	281.0	297.7	234.9	266.3	217.8	219.2	218.5
5:20:00	320	278.9	280.9	279.9	293.0	239.2	266.1	217.8	219.2	218.5
5:21:00	321	278.9	280.9	279.9	294.1	238.3	266.2	216.7	219.2	217.9
5:22:00	322	277.7	279.7	278.7	292.6	235.9	264.3	216.7	218.1	217.4
5:23:00	323	276.7	278.7	277.7	292.5	235.2	263.8	215.6	218.1	216.9
5:24:00	324	275.6	277.6	276.6	292.5	237.9	265.2	215.6	218.1	216.9
5:25:00	325	275.6	276.6	276.1	292.3	241.0	266.6	214.5	216.9	215.7
5:26:00	326	274.4	276.6	275.5	291.2	236.8	264.0	214.5	216.9	215.7
5:27:00	327	273.3	275.5	274.4	290.7	233.6	262.1	214.5	215.8	215.2
5:28:00	328	272.2	274.5	273.3	289.9	233.8	261.9	213.4	215.8	214.6
5:29:00	329	272.2	273.5	272.8	289.9	233.8	261.9	213.4	215.8	214.6
5:30:00	330	270.9	273.5	272.2	289.4	232.3	260.9	213.4	215.8	214.6
5:31:00	331	270.9	272.5	271.7	289.4	232.7	261.1	212.2	214.7	213.4
5:32:00	332	269.8	271.4	270.6	287.6	235.2	261.4	212.2	214.7	213.4
5:33:00	333	268.7	270.4	269.5	288.3	231.3	259.8	212.2	214.7	213.4
5:34:00	334	268.7	270.4	269.5	287.4	234.7	261.1	212.2	214.7	213.4
5:35:00	335	267.6	269.4	268.5	287.6	231.6	259.6	211.1	213.4	212.3
5:36:00	336	266.5	268.4	267.4	284.0	231.1	257.5	210.0	212.4	211.2
5:37:00	337	265.3	267.1	266.2	282.0	232.5	257.3	208.9	211.3	210.1
5:38:00	338	265.3	267.1	266.2	283.5	229.3	256.4	207.9	210.0	208.9
5:39:00	339	264.2	266.1	265.2	283.3	228.7	256.0	206.8	208.9	207.9
5:40:00	340	263.0	264.9	264.0	282.0	226.9	254.5	205.7	207.9	206.8
5:41:00	341	263.0	264.9	264.0	279.9	226.4	253.1	205.7	207.9	206.8
5:42:00	342	262.0	263.8	262.9	279.5	230.9	255.2	205.7	206.4	206.1
5:43:00	343	260.9	262.6	261.8	279.7	227.8	253.8	204.6	206.4	205.5
5:44:00	344	260.9	262.6	261.8	277.7	222.4	250.1	204.6	205.3	205.0
5:45:00	345	259.9	261.6	260.7	279.0	224.8	251.9	204.6	204.3	204.4
5:46:00	346	258.6	260.5	259.6	276.8	222.6	249.7	203.5	204.3	203.9
5:47:00	347	258.6	259.4	259.0	276.3	221.2	248.7	203.5	203.2	203.4
5:48:00	348	257.6	259.4	258.5	277.3	224.6	251.0	202.5	203.2	202.8
5:49:00	349	256.6	258.3	257.4	276.3	222.4	249.4	202.5	202.1	202.3
5:50:00	350	256.6	257.3	256.9	274.5	221.5	248.0	202.5	202.1	202.3
5:51:00	351	255.5	257.3	256.4	275.0	221.7	248.4	201.4	202.1	201.7
5:52:00	352	254.4	256.1	255.3	275.0	222.8	248.9	201.4	200.8	201.1
5:53:00	353	254.4	255.1	254.8	275.0	220.6	247.8	201.4	200.8	201.1
5:54:00	354	253.3	255.1	254.2	274.3	222.8	248.5	200.3	199.8	200.0
5:55:00	355	252.2	253.9	253.0	272.1	221.0	246.6	200.3	199.8	200.0
5:56:00	356	252.2	253.9	253.0	274.1	219.6	246.8	199.2	198.7	199.0
5:57:00	357	251.1	252.9	252.0	272.7	219.6	246.1	199.2	198.7	199.0
5:58:00	358	251.1	251.8	251.4	271.4	217.4	244.4	198.1	197.6	197.9
5:59:00	359	250.0	251.8	250.9	270.1	219.6	244.9	198.1	197.6	197.9
6:00:00	360	248.8	250.8	249.8	270.1	216.1	243.1	198.1	196.5	197.3
6:01:00	361	248.8	249.7	249.2	268.5	214.3	241.4	197.1	196.5	196.8
6:02:00	362	247.6	249.7	248.7	268.7	218.8	243.8	197.1	195.4	196.3
6:03:00	363	247.6	248.6	248.1	268.9	220.1	244.5	197.1	195.4	196.3
6:04:00	364	246.5	247.5	247.0	267.8	216.9	242.3	196.0	195.4	195.7

6:05:00	365	246.5	247.5	247.0	269.1	217.9	243.5	196.0	195.4	195.7
6:06:00	366	245.3	246.4	245.9	267.3	217.6	242.4	196.0	195.4	195.7
6:07:00	367	244.2	246.4	245.3	268.3	214.5	241.4	194.9	195.4	195.2
6:08:00	368	244.2	245.4	244.8	265.1	213.6	239.4	194.9	194.2	194.5
6:09:00	369	243.1	244.2	243.6	266.7	216.0	241.3	193.6	194.2	193.9
6:10:00	370	243.1	244.2	243.6	266.5	213.4	240.0	193.6	193.1	193.4
6:11:00	371	242.0	243.2	242.6	265.1	212.9	239.0	193.6	193.1	193.4
6:12:00	372	242.0	243.2	242.6	265.6	211.8	238.7	193.6	193.1	193.4
6:13:00	373	240.8	242.1	241.5	263.1	214.0	238.6	192.6	192.0	192.3
6:14:00	374	239.8	242.1	241.0	263.1	213.6	238.4	192.6	192.0	192.3
6:15:00	375	239.8	241.0	240.4	263.3	211.3	237.3	191.3	190.8	191.0
6:16:00	376	238.6	240.0	239.3	263.3	212.5	237.9	191.3	190.8	191.0
6:17:00	377	238.6	240.0	239.3	262.9	213.1	238.0	190.2	190.8	190.5
6:18:00	378	237.6	239.0	238.3	261.1	210.2	235.7	190.2	189.7	190.0
6:19:00	379	237.6	239.0	238.3	262.2	210.6	236.4	190.2	188.6	189.4
6:20:00	380	236.4	237.8	237.1	259.5	211.5	235.5	189.1	188.6	188.9
6:21:00	381	236.4	237.8	237.1	259.5	211.3	235.4	189.1	187.5	188.3
6:22:00	382	235.4	236.8	236.1	260.2	209.7	235.0	189.1	187.5	188.3
6:23:00	383	235.4	235.8	235.6	259.2	209.7	234.4	188.1	187.5	187.8
6:24:00	384	234.2	235.8	235.0	258.8	211.3	235.0	188.1	187.5	187.8
6:25:00	385	234.2	234.7	234.5	259.9	208.4	234.1	188.1	187.5	187.8
6:26:00	386	233.2	234.7	233.9	258.8	208.0	233.4	187.0	186.4	186.7
6:27:00	387	232.0	233.7	232.9	257.0	207.9	232.4	187.0	186.4	186.7
6:28:00	388	232.0	233.7	232.9	258.1	206.4	232.3	187.0	185.4	186.2
6:29:00	389	230.9	232.7	231.8	258.1	209.7	233.9	185.9	185.4	185.6
6:30:00	390	230.9	232.7	231.8	257.9	209.8	233.9	185.9	185.4	185.6
6:31:00	391	229.8	231.6	230.7	256.1	208.2	232.2	185.9	184.3	185.1
6:32:00	392	229.8	230.6	230.2	256.1	209.1	232.6	185.9	184.3	185.1
6:33:00	393	228.8	230.6	229.7	255.0	208.2	231.6	184.8	184.3	184.6
6:34:00	394	228.8	229.6	229.2	254.7	207.1	230.9	184.8	184.3	184.6
6:35:00	395	227.7	229.6	228.6	253.2	206.4	229.8	184.8	184.3	184.6
6:36:00	396	227.7	228.5	228.1	254.7	203.7	229.2	183.7	183.2	183.5
6:37:00	397	226.5	228.5	227.5	252.9	205.7	229.3	183.7	183.2	183.5
6:38:00	398	226.5	227.5	227.0	253.0	207.9	230.5	183.7	182.1	182.9
6:39:00	399	226.5	227.5	227.0	253.0	207.3	230.2	182.7	182.1	182.4
6:40:00	400	225.4	226.4	225.9	254.1	204.6	229.4	182.7	182.1	182.4
6:41:00	401	224.4	226.4	225.4	251.2	203.2	227.2	181.6	182.1	181.9
6:42:00	402	224.4	225.4	224.9	251.2	204.4	227.8	181.6	180.9	181.2
6:43:00	403	224.4	225.4	224.9	251.1	204.3	227.7	181.6	180.9	181.2
6:44:00	404	223.3	224.3	223.8	249.6	203.2	226.4	181.6	180.9	181.2
6:45:00	405	223.3	224.3	223.8	249.6	205.7	227.7	180.5	180.9	180.7
6:46:00	406	222.3	223.3	222.8	249.6	205.9	227.8	180.5	179.8	180.1
6:47:00	407	222.3	223.3	222.8	250.2	202.1	226.1	180.5	179.8	180.1
6:48:00	408	221.1	222.2	221.7	248.5	201.7	225.1	180.5	179.8	180.1
6:49:00	409	221.1	222.2	221.7	249.6	199.2	224.4	179.4	178.7	179.1
6:50:00	410	220.0	221.2	220.6	249.8	202.8	226.3	179.4	178.7	179.1
6:51:00	411	220.0	221.2	220.6	248.4	204.3	226.3	178.3	178.7	178.5
6:52:00	412	219.0	220.2	219.6	247.3	200.8	224.1	178.3	177.6	178.0
6:53:00	413	219.0	220.2	219.6	246.0	201.2	223.6	178.3	177.6	178.0
6:54:00	414	217.8	219.2	218.5	247.1	200.8	224.0	178.3	177.6	178.0
6:55:00	415	217.8	219.2	218.5	245.5	201.2	223.3	178.3	177.6	178.0
6:56:00	416	217.8	218.2	218.0	245.5	199.9	222.7	177.3	176.5	176.9
6:57:00	417	216.6	218.2	217.4	245.5	201.2	223.3	177.3	176.5	176.9
6:58:00	418	216.6	218.2	217.4	243.3	202.1	222.7	177.3	176.5	176.9
6:59:00	419	215.6	217.1	216.3	244.6	200.7	222.6	177.3	175.5	176.4
7:00:00	420	215.6	217.1	216.3	243.9	198.9	221.4	176.2	175.5	175.8
7:01:00	421	215.6	216.1	215.8	242.8	198.9	220.8	176.2	175.5	175.8
7:02:00	422	214.5	216.1	215.3	244.0	198.3	221.2	176.2	175.5	175.8
7:03:00	423	214.5	215.0	214.8	242.8	196.7	219.7	174.9	174.2	174.6
7:04:00	424	213.5	215.0	214.3	242.8	195.6	219.2	174.9	174.2	174.6
7:05:00	425	213.5	214.0	213.8	241.2	199.8	220.5	174.9	174.2	174.6
7:06:00	426	212.4	214.0	213.2	242.2	197.8	220.0	173.7	173.1	173.4
7:07:00	427	212.4	214.0	213.2	241.0	195.4	218.2	173.7	173.1	173.4
7:08:00	428	211.2	212.9	212.1	240.3	197.2	218.8	173.7	173.1	173.4

7:09:00	429	211.2	212.9	212.1	240.3	195.6	217.9	172.6	172.0	172.3
7:10:00	430	210.2	211.9	211.0	241.0	194.2	217.6	172.6	172.0	172.3
7:11:00	431	210.2	211.9	211.0	239.7	192.4	216.1	172.6	172.0	172.3
7:12:00	432	210.2	210.8	210.5	238.5	194.4	216.4	171.5	172.0	171.8
7:13:00	433	209.1	210.8	209.9	239.9	195.8	217.9	171.5	171.0	171.2
7:14:00	434	209.1	210.8	209.9	238.8	193.3	216.1	171.5	171.0	171.2
7:15:00	435	208.0	209.7	208.9	238.8	195.1	217.0	170.4	171.0	170.7
7:16:00	436	208.0	209.7	208.9	237.6	193.6	215.6	170.4	171.0	170.7
7:17:00	437	208.0	208.7	208.4	237.6	194.0	215.8	170.4	171.0	170.7
7:18:00	438	207.0	208.7	207.8	236.1	193.1	214.6	170.4	169.9	170.2
7:19:00	439	207.0	207.6	207.3	236.1	191.8	214.0	169.3	169.9	169.6
7:20:00	440	205.8	207.6	206.7	237.4	190.4	213.9	169.3	168.8	169.1
7:21:00	441	205.8	207.6	206.7	236.5	190.2	213.4	169.3	168.8	169.1
7:22:00	442	205.8	206.6	206.2	234.5	193.5	214.0	168.1	167.7	167.9
7:23:00	443	204.7	206.6	205.6	234.9	194.2	214.5	168.1	167.7	167.9
7:24:00	444	204.7	205.6	205.1	233.8	191.8	212.8	168.1	167.7	167.9
7:25:00	445	204.7	205.6	205.1	234.0	190.0	212.0	168.1	167.7	167.9
7:26:00	446	203.6	204.5	204.1	233.4	191.5	212.5	168.1	167.7	167.9
7:27:00	447	203.6	204.5	204.1	233.4	188.6	211.0	168.1	167.7	167.9
7:28:00	448	202.6	204.5	203.5	231.8	192.2	212.0	167.0	167.7	167.4
7:29:00	449	202.6	203.5	203.0	231.6	189.3	210.5	167.0	167.7	167.4
7:30:00	450	202.6	203.5	203.0	232.7	190.4	211.6	167.0	166.6	166.8
7:31:00	451	201.5	203.5	202.5	232.7	193.6	213.2	167.0	166.6	166.8
7:32:00	452	201.5	202.5	202.0	231.6	190.0	210.8	167.0	166.6	166.8
7:33:00	453	201.5	202.5	202.0	231.6	190.6	211.1	165.7	165.6	165.7
7:34:00	454	200.3	201.5	200.9	230.5	189.5	210.0	165.7	165.6	165.7
7:35:00	455	200.3	201.5	200.9	230.5	187.7	209.1	165.7	165.6	165.7
7:36:00	456	199.2	201.5	200.4	230.5	186.1	208.3	164.7	165.6	165.1
7:37:00	457	199.2	200.4	199.8	229.1	189.7	209.4	164.7	165.6	165.1
7:38:00	458	199.2	200.4	199.8	229.1	186.6	207.9	164.7	165.6	165.1
7:39:00	459	198.1	199.3	198.7	229.1	184.8	207.0	164.7	165.6	165.1
7:40:00	460	198.1	199.3	198.7	229.1	188.4	208.8	163.6	164.5	164.0
7:41:00	461	198.1	199.3	198.7	229.1	186.6	207.9	163.6	164.5	164.0
7:42:00	462	197.1	198.3	197.7	227.8	188.1	208.0	163.6	164.5	164.0
7:43:00	463	197.1	198.3	197.7	227.8	188.1	208.0	163.6	163.4	163.5
7:44:00	464	197.1	198.3	197.7	228.9	186.8	207.9	162.5	163.4	163.0
7:45:00	465	196.0	197.3	196.7	227.8	184.3	206.1	162.5	163.4	163.0
7:46:00	466	196.0	197.3	196.7	226.4	187.2	206.8	162.5	162.3	162.4
7:47:00	467	196.0	196.3	196.1	225.1	186.1	205.6	162.5	162.3	162.4
7:48:00	468	194.9	196.3	195.6	225.5	186.6	206.1	162.5	162.3	162.4
7:49:00	469	194.9	196.3	195.6	225.5	187.2	206.3	161.4	162.3	161.9
7:50:00	470	194.9	195.2	195.1	225.3	183.4	204.4	161.4	161.2	161.3
7:51:00	471	193.8	195.2	194.5	224.2	183.4	203.8	161.4	161.2	161.3
7:52:00	472	193.8	195.2	194.5	224.2	183.6	203.9	161.4	161.2	161.3
7:53:00	473	192.8	194.1	193.4	223.2	185.0	204.1	160.2	160.0	160.1
7:54:00	474	192.8	194.1	193.4	223.2	181.9	202.6	160.2	160.0	160.1
7:55:00	475	192.8	194.1	193.4	223.7	182.8	203.3	160.2	160.0	160.1
7:56:00	476	192.8	193.1	192.9	223.9	184.8	204.4	160.2	160.0	160.1
7:57:00	477	191.8	193.1	192.4	222.3	183.4	202.8	159.1	160.0	159.5
7:58:00	478	191.8	193.1	192.4	222.8	181.2	202.0	159.1	158.9	159.0
7:59:00	479	190.7	192.0	191.3	222.8	181.2	202.0	159.1	158.9	159.0
8:00:00	480	190.7	192.0	191.3	221.4	182.3	201.8	159.1	158.9	159.0
8:01:00	481	190.7	192.0	191.3	223.0	181.0	202.0	159.1	158.9	159.0
8:02:00	482	189.6	190.9	190.3	220.6	182.7	201.7	159.1	158.9	159.0
8:03:00	483	189.6	190.9	190.3	220.6	179.8	200.2	159.1	158.9	159.0
8:04:00	484	189.6	190.9	190.3	219.4	179.4	199.4	158.0	158.9	158.5
8:05:00	485	189.6	189.8	189.7	219.4	183.0	201.2	158.0	157.8	157.9
8:06:00	486	188.6	189.8	189.2	219.9	181.4	200.7	158.0	157.8	157.9
8:07:00	487	188.6	189.8	189.2	221.2	180.0	200.6	156.9	157.8	157.4
8:08:00	488	188.6	188.8	188.7	219.6	179.8	199.7	156.9	157.8	157.4
8:09:00	489	187.4	188.8	188.1	219.6	178.5	199.0	156.9	156.7	156.8
8:10:00	490	187.4	188.8	188.1	218.3	177.1	197.7	156.9	156.7	156.8
8:11:00	491	187.4	187.8	187.6	219.4	179.6	199.5	156.9	156.7	156.8
8:12:00	492	186.3	187.8	187.0	217.9	178.7	198.3	155.8	156.7	156.3

8:13:00	493	186.3	186.7	186.5	217.9	176.5	197.2	155.8	156.7	156.3
8:14:00	494	186.3	186.7	186.5	218.1	178.0	198.1	155.8	156.7	156.3
8:15:00	495	185.2	186.7	186.0	216.9	179.2	198.1	155.8	155.7	155.8
8:16:00	496	185.2	186.7	186.0	216.9	176.7	196.8	155.8	155.7	155.8
8:17:00	497	185.2	185.7	185.5	216.9	176.2	196.5	154.8	155.7	155.2
8:18:00	498	184.2	185.7	185.0	216.9	179.6	198.2	154.8	155.7	155.2
8:19:00	499	184.2	185.7	185.0	216.9	178.3	197.6	154.8	154.4	154.6
8:20:00	500	184.2	184.7	184.4	216.9	176.9	196.9	154.8	154.4	154.6
8:21:00	501	184.2	184.7	184.4	215.8	176.7	196.3	154.8	154.4	154.6
8:22:00	502	183.2	184.7	183.9	217.2	177.8	197.5	154.8	154.4	154.6
8:23:00	503	183.2	183.7	183.4	216.3	176.4	196.3	153.7	154.4	154.0
8:24:00	504	183.2	183.7	183.4	214.0	178.3	196.2	153.7	154.4	154.0
8:25:00	505	182.0	183.7	182.8	214.0	178.3	196.2	153.7	154.4	154.0
8:26:00	506	182.0	182.6	182.3	214.0	176.5	195.3	153.7	154.4	154.0
8:27:00	507	182.0	182.6	182.3	214.0	175.5	194.7	153.7	154.4	154.0
8:28:00	508	181.0	182.6	181.8	214.0	175.5	194.7	153.7	153.3	153.5
8:29:00	509	181.0	182.6	181.8	214.0	176.9	195.4	152.6	153.3	153.0
8:30:00	510	181.0	181.6	181.3	211.1	175.5	193.3	152.6	153.3	153.0
8:31:00	511	181.0	181.6	181.3	211.1	175.6	193.4	152.6	152.2	152.4
8:32:00	512	180.0	181.6	180.8	211.1	175.1	193.1	152.6	152.2	152.4
8:33:00	513	180.0	180.6	180.3	212.4	174.7	193.6	152.6	152.2	152.4
8:34:00	514	180.0	180.6	180.3	212.4	172.6	192.5	152.6	152.2	152.4
8:35:00	515	178.9	180.6	179.7	212.5	174.6	193.6	151.5	152.2	151.9
8:36:00	516	178.9	179.5	179.2	211.3	173.7	192.5	151.5	152.2	151.9
8:37:00	517	178.9	179.5	179.2	210.2	174.6	192.4	151.5	152.2	151.9
8:38:00	518	178.9	179.5	179.2	210.4	174.7	192.6	151.5	152.2	151.9
8:39:00	519	177.8	179.5	178.7	210.7	174.7	192.7	150.4	151.0	150.7
8:40:00	520	177.8	178.5	178.2	209.5	173.3	191.4	150.4	151.0	150.7
8:41:00	521	177.8	178.5	178.2	209.5	174.6	192.0	150.4	151.0	150.7
8:42:00	522	176.8	178.5	177.7	209.5	172.2	190.9	150.4	151.0	150.7
8:43:00	523	176.8	177.5	177.1	208.2	172.4	190.3	150.4	151.0	150.7
8:44:00	524	176.8	177.5	177.1	208.4	172.4	190.4	149.4	149.9	149.6
8:45:00	525	176.8	177.5	177.1	208.4	171.9	190.1	149.4	149.9	149.6
8:46:00	526	175.7	177.5	176.6	208.4	172.6	190.5	149.4	149.9	149.6
8:47:00	527	175.7	176.5	176.1	207.3	174.2	190.8	149.4	149.9	149.6
8:48:00	528	175.7	176.5	176.1	207.3	171.3	189.3	148.3	149.9	149.1
8:49:00	529	175.7	176.5	176.1	207.3	170.4	188.9	148.3	149.9	149.1
8:50:00	530	174.6	176.5	175.5	207.3	170.4	188.9	148.3	149.9	149.1
8:51:00	531	174.6	175.4	175.0	206.2	170.4	188.3	148.3	148.8	148.6
8:52:00	532	174.6	175.4	175.0	206.2	170.8	188.5	148.3	148.8	148.6
8:53:00	533	174.6	175.4	175.0	206.2	170.8	188.5	148.3	148.8	148.6
8:54:00	534	173.6	174.4	174.0	207.3	171.7	189.5	148.3	148.8	148.6
8:55:00	535	173.6	174.4	174.0	206.2	168.1	187.2	148.3	148.8	148.6
8:56:00	536	173.6	174.4	174.0	204.6	171.3	188.0	147.2	147.7	147.5
8:57:00	537	173.6	174.4	174.0	204.6	172.2	188.4	147.2	147.7	147.5
8:58:00	538	172.5	173.4	173.0	204.6	169.7	187.2	147.2	147.7	147.5
8:59:00	539	172.5	173.4	173.0	204.6	167.5	186.1	147.2	147.7	147.5
9:00:00	540	172.5	173.4	173.0	203.4	168.8	186.1	147.2	147.7	147.5
9:01:00	541	172.5	173.4	173.0	202.1	168.6	185.4	146.1	146.7	146.4
9:02:00	542	171.4	172.4	171.9	203.2	167.4	185.3	146.1	146.7	146.4
9:03:00	543	171.4	172.4	171.9	203.2	163.6	183.4	146.1	146.7	146.4
9:04:00	544	171.4	172.4	171.9	203.2	167.5	185.4	146.1	146.7	146.4
9:05:00	545	171.4	172.4	171.9	203.2	169.0	186.1	146.1	146.7	146.4
9:06:00	546	171.4	171.3	171.3	203.2	167.9	185.5	146.1	145.6	145.9
9:07:00	547	170.2	171.3	170.7	203.2	167.9	185.5	146.1	145.6	145.9
9:08:00	548	170.2	171.3	170.7	202.1	168.3	185.2	146.1	145.6	145.9
9:09:00	549	170.2	171.3	170.7	202.1	168.3	185.2	145.0	145.6	145.3
9:10:00	550	170.2	170.3	170.2	201.6	168.8	185.2	145.0	145.6	145.3
9:11:00	551	169.1	170.3	169.7	201.6	167.5	184.6	145.0	145.6	145.3
9:12:00	552	169.1	170.3	169.7	200.1	166.8	183.5	145.0	145.6	145.3
9:13:00	553	169.1	170.3	169.7	200.1	167.7	183.9	145.0	144.5	144.8
9:14:00	554	169.1	169.3	169.2	199.6	167.7	183.7	145.0	144.5	144.8
9:15:00	555	169.1	169.3	169.2	198.5	165.9	182.2	145.0	144.5	144.8
9:16:00	556	168.0	169.3	168.6	198.7	167.4	183.0	144.0	144.5	144.2

9:17:00	557	168.0	169.3	168.6	199.9	167.2	183.6	144.0	144.5	144.2
9:18:00	558	168.0	168.2	168.1	198.9	165.7	182.3	144.0	144.5	144.2
9:19:00	559	168.0	168.2	168.1	198.7	166.8	182.8	144.0	144.5	144.2
9:20:00	560	167.0	168.2	167.6	197.6	165.9	181.8	142.9	144.5	143.7
9:21:00	561	167.0	168.2	167.6	199.0	164.7	181.9	142.9	143.4	143.2
9:22:00	562	167.0	167.2	167.1	197.2	164.8	181.0	142.9	143.4	143.2
9:23:00	563	167.0	167.2	167.1	197.2	166.3	181.8	142.9	143.4	143.2
9:24:00	564	165.9	167.2	166.6	198.3	166.8	182.6	142.9	143.4	143.2
9:25:00	565	165.9	167.2	166.6	197.2	163.8	180.5	142.9	143.4	143.2
9:26:00	566	165.9	166.1	166.0	197.2	163.8	180.5	142.9	143.4	143.2
9:27:00	567	165.9	166.1	166.0	196.7	166.8	181.8	141.8	142.3	142.1
9:28:00	568	165.9	166.1	166.0	196.7	162.1	179.4	141.8	142.3	142.1
9:29:00	569	164.8	166.1	165.4	196.9	165.7	181.3	141.8	142.3	142.1
9:30:00	570	164.8	166.1	165.4	195.8	163.2	179.5	141.8	142.3	142.1
9:31:00	571	164.8	165.1	164.9	195.8	164.8	180.3	141.8	142.3	142.1
9:32:00	572	164.8	165.1	164.9	195.8	164.3	180.1	141.8	142.3	142.1
9:33:00	573	164.8	165.1	164.9	195.8	163.2	179.5	141.8	142.3	142.1
9:34:00	574	163.8	165.1	164.4	194.5	163.0	178.8	141.8	142.3	142.1
9:35:00	575	163.8	164.0	163.9	194.5	163.9	179.2	141.8	141.3	141.5
9:36:00	576	163.8	164.0	163.9	194.5	162.7	178.6	140.7	141.3	141.0
9:37:00	577	163.8	164.0	163.9	195.4	163.2	179.3	140.7	141.3	141.0
9:38:00	578	162.7	164.0	163.4	193.8	162.1	178.0	140.7	141.3	141.0
9:39:00	579	162.7	163.0	162.9	193.8	160.5	177.2	140.7	141.3	141.0
9:40:00	580	162.7	163.0	162.9	193.8	160.7	177.3	140.7	140.2	140.5
9:41:00	581	162.7	163.0	162.9	192.6	162.1	177.4	140.7	140.2	140.5
9:42:00	582	162.7	163.0	162.9	192.6	160.9	176.7	140.7	140.2	140.5
9:43:00	583	161.6	163.0	162.3	192.6	159.4	176.0	140.7	140.2	140.5
9:44:00	584	161.6	162.0	161.8	191.3	158.9	175.1	139.5	140.2	139.8
9:45:00	585	161.6	162.0	161.8	192.6	159.6	176.1	139.5	139.1	139.3
9:46:00	586	161.6	162.0	161.8	192.6	161.1	176.8	139.5	139.1	139.3
9:47:00	587	161.6	162.0	161.8	192.6	161.1	176.8	139.5	139.1	139.3
9:48:00	588	160.5	162.0	161.2	192.6	159.4	176.0	139.5	139.1	139.3
9:49:00	589	160.5	160.9	160.7	190.9	160.0	175.5	139.5	139.1	139.3
9:50:00	590	160.5	160.9	160.7	190.9	160.0	175.5	138.4	139.1	138.7
9:51:00	591	160.5	160.9	160.7	190.9	160.9	175.9	138.4	139.1	138.7
9:52:00	592	160.5	160.9	160.7	189.9	160.5	175.2	138.4	139.1	138.7
9:53:00	593	159.5	159.9	159.7	189.9	158.4	174.1	138.4	139.1	138.7
9:54:00	594	159.5	159.9	159.7	190.9	160.5	175.7	138.4	138.0	138.2
9:55:00	595	159.5	159.9	159.7	189.9	160.5	175.2	138.4	138.0	138.2
9:56:00	596	159.5	159.9	159.7	189.9	158.5	174.2	138.4	138.0	138.2
9:57:00	597	159.5	159.9	159.7	188.6	158.5	173.6	138.4	138.0	138.2
9:58:00	598	158.4	158.9	158.6	190.0	157.1	173.6	137.1	136.9	137.0
9:59:00	599	158.4	158.9	158.6	188.8	157.3	173.0	137.1	136.9	137.0
10:00:00	600	158.4	158.9	158.6	189.1	160.0	174.6	137.1	136.9	137.0
10:01:00	601	158.4	158.9	158.6	187.9	157.5	172.7	137.1	136.9	137.0
10:02:00	602	158.4	158.9	158.6	186.8	159.4	173.1	137.1	136.9	137.0
10:03:00	603	157.3	158.9	158.1	187.9	158.4	173.1	137.1	136.9	137.0
10:04:00	604	157.3	157.8	157.6	187.9	156.7	172.3	137.1	136.9	137.0
10:05:00	605	157.3	157.8	157.6	187.9	159.4	173.7	137.1	136.9	137.0
10:06:00	606	157.3	157.8	157.6	186.6	157.6	172.1	137.1	136.9	137.0
10:07:00	607	157.3	157.8	157.6	186.6	158.7	172.7	137.1	136.9	137.0
10:08:00	608	156.3	156.8	156.5	186.6	157.1	171.9	136.0	135.9	136.0
10:09:00	609	156.3	156.8	156.5	185.4	156.4	170.9	136.0	135.9	136.0
10:10:00	610	156.3	156.8	156.5	186.4	157.8	172.1	136.0	135.9	136.0
10:11:00	611	156.3	156.8	156.5	185.4	157.8	171.6	136.0	135.9	136.0
10:12:00	612	156.3	156.8	156.5	184.3	155.3	169.8	136.0	135.9	136.0
10:13:00	613	155.2	155.8	155.5	185.9	155.1	170.5	136.0	135.9	136.0
10:14:00	614	155.2	155.8	155.5	184.1	156.7	170.4	135.0	134.8	134.9
10:15:00	615	155.2	155.8	155.5	184.1	154.6	169.3	135.0	134.8	134.9
10:16:00	616	155.2	155.8	155.5	184.1	152.2	168.2	135.0	134.8	134.9
10:17:00	617	155.2	155.8	155.5	184.1	155.8	170.0	135.0	134.8	134.9
10:18:00	618	154.1	154.8	154.5	184.1	155.7	169.9	135.0	134.8	134.9
10:19:00	619	154.1	154.8	154.5	184.3	155.5	169.9	135.0	134.8	134.9
10:20:00	620	154.1	154.8	154.5	184.3	154.0	169.2	135.0	134.8	134.9

10:21:00	621	154.1	154.8	154.5	182.8	153.5	168.2	133.9	134.8	134.3
10:22:00	622	154.1	154.8	154.5	182.7	154.0	168.4	133.9	134.8	134.3
10:23:00	623	154.1	154.8	154.5	181.6	155.5	168.5	133.9	134.8	134.3
10:24:00	624	153.1	153.8	153.4	182.8	155.5	169.2	133.9	134.8	134.3
10:25:00	625	153.1	153.8	153.4	182.8	154.4	168.6	133.9	134.8	134.3
10:26:00	626	153.1	153.8	153.4	182.8	157.3	170.1	133.9	134.8	134.3
10:27:00	627	153.1	153.8	153.4	182.8	155.8	169.3	133.9	134.8	134.3
10:28:00	628	153.1	153.8	153.4	182.8	155.8	169.3	133.9	134.8	134.3
10:29:00	629	153.1	153.8	153.4	182.8	157.3	170.1	133.9	134.8	134.3
10:30:00	630	152.1	152.8	152.4	181.8	155.8	168.8	133.9	134.8	134.3
10:31:00	631	152.1	152.8	152.4	181.8	157.3	169.5	133.9	134.8	134.3
10:32:00	632	152.1	152.8	152.4	181.8	155.8	168.8	133.9	134.8	134.3
10:33:00	633	152.1	152.8	152.4	181.8	155.8	168.8	133.9	134.8	134.3
10:34:00	634	152.1	152.8	152.4	181.8	156.0	168.9	133.9	134.8	134.3
10:35:00	635	152.1	152.8	152.4	181.8	154.6	168.2	133.9	134.8	134.3
10:36:00	636	152.1	152.8	152.4	180.5	156.2	168.4	133.9	134.8	134.3
10:37:00	637	151.0	151.7	151.4	181.6	156.2	168.9	133.9	134.8	134.3
10:38:00	638	151.0	151.7	151.4	181.6	155.7	168.6	133.9	134.8	134.3
10:39:00	639	151.0	151.7	151.4	180.1	154.8	167.5	133.9	134.8	134.3
10:40:00	640	151.0	151.7	151.4	181.8	156.4	169.1	133.9	134.8	134.3
10:41:00	641	151.0	151.7	151.4	180.5	155.3	167.9	133.9	134.8	134.3
10:42:00	642	151.0	151.7	151.4	180.5	154.6	167.5	133.9	133.7	133.8
10:43:00	643	151.0	151.7	151.4	180.5	154.6	167.5	133.9	133.7	133.8
10:44:00	644	149.9	150.7	150.3	180.5	154.0	167.3	133.9	133.7	133.8
10:45:00	645	149.9	150.7	150.3	179.4	154.0	166.7	133.9	133.7	133.8
10:46:00	646	149.9	150.7	150.3	179.4	154.6	167.0	133.9	133.7	133.8
10:47:00	647	149.9	150.7	150.3	179.4	155.8	167.6	133.9	133.7	133.8
10:48:00	648	149.9	150.7	150.3	178.3	155.8	167.1	133.9	133.7	133.8
10:49:00	649	149.9	150.7	150.3	178.3	154.8	166.6	133.9	133.7	133.8
10:50:00	650	149.9	150.7	150.3	178.3	152.4	165.4	133.9	133.7	133.8
10:51:00	651	148.9	149.7	149.3	178.3	153.7	166.0	133.9	133.7	133.8
10:52:00	652	148.9	149.7	149.3	178.3	154.8	166.6	133.9	133.7	133.8
10:53:00	653	148.9	149.7	149.3	177.1	154.2	165.7	133.9	133.7	133.8
10:54:00	654	148.9	149.7	149.3	178.2	153.7	165.9	133.9	133.7	133.8
10:55:00	655	148.9	149.7	149.3	177.1	153.7	165.4	133.9	133.7	133.8
10:56:00	656	148.9	149.7	149.3	177.1	155.1	166.1	133.9	132.6	133.3
10:57:00	657	148.9	148.6	148.8	175.8	155.5	165.7	133.9	132.6	133.3
10:58:00	658	147.9	148.6	148.3	175.8	154.0	164.9	133.9	132.6	133.3
10:59:00	659	147.9	148.6	148.3	175.8	154.2	165.0	132.6	132.6	132.6
11:00:00	660	147.9	148.6	148.3	175.8	153.1	164.5	132.6	132.6	132.6
11:01:00	661	147.9	148.6	148.3	175.8	153.1	164.5	132.6	132.6	132.6
11:02:00	662	147.9	148.6	148.3	175.8	154.0	164.9	132.6	132.6	132.6
11:03:00	663	147.9	148.6	148.3	174.7	153.5	164.1	132.6	131.5	132.1
11:04:00	664	147.9	147.6	147.7	176.0	153.1	164.6	132.6	131.5	132.1
11:05:00	665	146.8	147.6	147.2	174.9	151.9	163.4	132.6	131.5	132.1
11:06:00	666	146.8	147.6	147.2	174.9	151.9	163.4	132.6	131.5	132.1
11:07:00	667	146.8	147.6	147.2	174.9	151.9	163.4	132.6	131.5	132.1
11:08:00	668	146.8	147.6	147.2	174.9	151.2	163.0	132.6	131.5	132.1
11:09:00	669	146.8	147.6	147.2	174.9	153.5	164.2	132.6	131.5	132.1
11:10:00	670	146.8	147.6	147.2	174.9	150.8	162.9	132.6	131.5	132.1
11:11:00	671	146.8	147.6	147.2	173.5	153.0	163.2	132.6	131.5	132.1
11:12:00	672	146.8	146.5	146.6	173.5	151.9	162.7	131.5	131.5	131.5
11:13:00	673	145.8	146.5	146.1	173.5	150.3	161.9	131.5	131.5	131.5
11:14:00	674	145.8	146.5	146.1	173.5	152.6	163.0	131.5	130.5	131.0
11:15:00	675	145.8	146.5	146.1	173.5	151.0	162.2	131.5	130.5	131.0
11:16:00	676	145.8	146.5	146.1	173.5	150.8	162.1	131.5	130.5	131.0
11:17:00	677	145.8	146.5	146.1	173.5	150.8	162.1	131.5	130.5	131.0
11:18:00	678	145.8	146.5	146.1	172.4	151.9	162.1	131.5	130.5	131.0
11:19:00	679	145.8	145.5	145.6	172.4	150.8	161.6	131.5	130.5	131.0
11:20:00	680	145.8	145.5	145.6	172.4	150.8	161.6	130.5	130.5	130.5
11:21:00	681	144.7	145.5	145.1	172.4	149.7	161.1	130.5	130.5	130.5
11:22:00	682	144.7	145.5	145.1	172.4	150.3	161.3	130.5	130.5	130.5
11:23:00	683	144.7	145.5	145.1	172.4	150.4	161.4	130.5	130.5	130.5
11:24:00	684	144.7	145.5	145.1	171.3	150.4	160.9	130.5	130.5	130.5

11:25:00	685	144.7	145.5	145.1	171.3	152.1	161.7	130.5	130.5	130.5
11:26:00	686	144.7	145.5	145.1	171.3	150.3	160.8	130.5	129.4	129.9
11:27:00	687	144.7	144.5	144.6	170.1	150.3	160.2	130.5	129.4	129.9
11:28:00	688	143.7	144.5	144.1	171.1	150.8	161.0	130.5	129.4	129.9
11:29:00	689	143.7	144.5	144.1	171.1	148.6	159.9	130.5	129.4	129.9
11:30:00	690	143.7	144.5	144.1	171.1	150.8	161.0	130.5	129.4	129.9
11:31:00	691	143.7	144.5	144.1	170.1	150.8	160.4	130.5	129.4	129.9
11:32:00	692	143.7	144.5	144.1	170.1	148.1	159.1	130.5	129.4	129.9
11:33:00	693	143.7	144.5	144.1	170.1	147.9	159.0	130.5	129.4	129.9
11:34:00	694	143.7	143.5	143.6	171.1	147.0	159.1	129.4	129.4	129.4
11:35:00	695	143.7	143.5	143.6	169.3	150.3	159.8	129.4	129.4	129.4
11:36:00	696	143.7	143.5	143.6	169.3	150.3	159.8	129.4	129.4	129.4
11:37:00	697	142.7	143.5	143.1	169.3	147.9	158.6	129.4	129.4	129.4
11:38:00	698	142.7	143.5	143.1	168.1	145.8	156.9	129.4	129.4	129.4
11:39:00	699	142.7	143.5	143.1	169.2	148.5	158.8	129.4	128.3	128.8
11:40:00	700	142.7	143.5	143.1	169.2	146.7	157.9	129.4	128.3	128.8
11:41:00	701	142.7	143.5	143.1	168.1	148.5	158.3	129.4	128.3	128.8
11:42:00	702	142.7	142.4	142.5	168.1	147.4	157.7	129.4	128.3	128.8
11:43:00	703	142.7	142.4	142.5	168.1	148.5	158.3	129.4	128.3	128.8
11:44:00	704	142.7	142.4	142.5	168.1	149.0	158.5	129.4	128.3	128.8
11:45:00	705	141.6	142.4	142.0	168.1	147.6	157.8	129.4	128.3	128.8
11:46:00	706	141.6	142.4	142.0	167.0	146.3	156.7	129.4	128.3	128.8
11:47:00	707	141.6	142.4	142.0	166.8	148.3	157.6	129.4	128.3	128.8
11:48:00	708	141.6	142.4	142.0	167.9	144.5	156.2	129.4	128.3	128.8
11:49:00	709	141.6	142.4	142.0	167.9	147.4	157.6	128.3	127.2	127.8
11:50:00	710	141.6	141.4	141.5	166.5	146.1	156.3	128.3	127.2	127.8
11:51:00	711	141.6	141.4	141.5	166.5	146.1	156.3	128.3	127.2	127.8
11:52:00	712	141.6	141.4	141.5	166.5	147.7	157.1	128.3	127.2	127.8
11:53:00	713	141.6	141.4	141.5	166.5	147.6	157.0	128.3	127.2	127.8
11:54:00	714	140.5	141.4	140.9	166.5	147.6	157.0	128.3	127.2	127.8
11:55:00	715	140.5	141.4	140.9	166.5	146.3	156.4	128.3	127.2	127.8
11:56:00	716	140.5	141.4	140.9	166.5	147.4	156.9	128.3	127.2	127.8
11:57:00	717	140.5	141.4	140.9	166.1	146.1	156.1	128.3	127.2	127.8
11:58:00	718	140.5	141.4	140.9	166.1	146.5	156.3	127.2	127.2	127.2
11:59:00	719	140.5	140.3	140.4	166.1	144.5	155.3	127.2	127.2	127.2
12:00:00	720	140.5	140.3	140.4	166.1	145.8	155.9	127.2	126.1	126.7
12:01:00	721	140.5	140.3	140.4	164.8	147.7	156.3	127.2	126.1	126.7
12:02:00	722	140.5	140.3	140.4	164.8	144.3	154.6	127.2	126.1	126.7
12:03:00	723	139.5	140.3	139.9	164.8	145.0	154.9	127.2	126.1	126.7
12:04:00	724	139.5	140.3	139.9	164.8	145.6	155.2	127.2	126.1	126.7
12:05:00	725	139.5	140.3	139.9	164.8	143.4	154.1	127.2	126.1	126.7
12:06:00	726	139.5	139.3	139.4	164.8	142.2	153.5	127.2	126.1	126.7
12:07:00	727	139.5	139.3	139.4	163.8	143.8	153.8	126.1	126.1	126.1
12:08:00	728	139.5	139.3	139.4	163.8	145.4	154.6	126.1	126.1	126.1
12:09:00	729	139.5	139.3	139.4	164.3	144.3	154.3	126.1	126.1	126.1
12:10:00	730	139.5	139.3	139.4	164.3	144.3	154.3	126.1	126.1	126.1
12:11:00	731	138.4	139.3	138.9	164.3	144.3	154.3	126.1	126.1	126.1
12:12:00	732	138.4	139.3	138.9	163.2	143.8	153.5	126.1	125.1	125.6
12:13:00	733	138.4	139.3	138.9	163.2	144.3	153.8	126.1	125.1	125.6
12:14:00	734	138.4	139.3	138.9	163.2	143.2	153.2	126.1	125.1	125.6
12:15:00	735	138.4	138.3	138.4	162.1	145.0	153.6	126.1	125.1	125.6
12:16:00	736	138.4	138.3	138.4	162.1	142.3	152.2	126.1	125.1	125.6
12:17:00	737	138.4	138.3	138.4	162.1	142.3	152.2	126.1	125.1	125.6
12:18:00	738	138.4	138.3	138.4	162.1	142.7	152.4	126.1	125.1	125.6
12:19:00	739	138.4	138.3	138.4	162.1	144.3	153.2	126.1	125.1	125.6
12:20:00	740	138.4	138.3	138.4	162.1	142.2	152.2	126.1	125.1	125.6
12:21:00	741	137.3	138.3	137.8	162.1	143.8	153.0	126.1	125.1	125.6
12:22:00	742	137.3	138.3	137.8	162.1	141.4	151.8	125.1	125.1	125.1
12:23:00	743	137.3	137.3	137.3	162.1	141.8	152.0	125.1	125.1	125.1
12:24:00	744	137.3	137.3	137.3	161.1	142.7	151.9	125.1	125.1	125.1
12:25:00	745	137.3	137.3	137.3	161.1	140.0	150.5	125.1	125.1	125.1
12:26:00	746	137.3	137.3	137.3	161.1	141.3	151.2	125.1	125.1	125.1
12:27:00	747	137.3	137.3	137.3	161.1	141.3	151.2	125.1	125.1	125.1
12:28:00	748	137.3	137.3	137.3	160.0	140.5	150.3	125.1	125.1	125.1

12:29:00	749	137.3	137.3	137.3	160.0	142.3	151.2	125.1	125.1	125.1
12:30:00	750	136.3	137.3	136.8	161.1	141.3	151.2	125.1	125.1	125.1
12:31:00	751	136.3	137.3	136.8	161.1	141.8	151.4	125.1	124.0	124.5
12:32:00	752	136.3	137.3	136.8	159.6	143.2	151.4	124.0	124.0	124.0
12:33:00	753	136.3	136.3	136.3	159.6	141.3	150.4	124.0	124.0	124.0
12:34:00	754	136.3	136.3	136.3	159.6	141.8	150.7	124.0	124.0	124.0
12:35:00	755	136.3	136.3	136.3	159.6	141.3	150.4	124.0	124.0	124.0
12:36:00	756	136.3	136.3	136.3	159.6	141.3	150.4	124.0	124.0	124.0
12:37:00	757	136.3	136.3	136.3	159.6	139.6	149.6	124.0	124.0	124.0
12:38:00	758	136.3	136.3	136.3	159.6	144.3	152.0	124.0	124.0	124.0
12:39:00	759	136.3	136.3	136.3	158.4	141.8	150.1	124.0	124.0	124.0
12:40:00	760	135.2	136.3	135.8	159.4	142.0	150.7	124.0	124.0	124.0
12:41:00	761	135.2	136.3	135.8	158.0	142.3	150.2	124.0	124.0	124.0
12:42:00	762	135.2	135.2	135.2	158.0	141.3	149.6	124.0	124.0	124.0
12:43:00	763	135.2	135.2	135.2	158.0	141.3	149.6	122.9	122.9	122.9
12:44:00	764	135.2	135.2	135.2	158.0	140.0	149.0	122.9	122.9	122.9
12:45:00	765	135.2	135.2	135.2	158.0	138.9	148.5	122.9	122.9	122.9
12:46:00	766	135.2	135.2	135.2	158.0	140.2	149.1	122.9	122.9	122.9
12:47:00	767	135.2	135.2	135.2	158.0	139.8	148.9	122.9	122.9	122.9
12:48:00	768	135.2	135.2	135.2	156.7	139.8	148.3	122.9	122.9	122.9
12:49:00	769	135.2	135.2	135.2	156.7	138.7	147.7	122.9	122.9	122.9
12:50:00	770	135.2	135.2	135.2	156.7	138.6	147.7	122.9	122.9	122.9
12:51:00	771	134.2	134.2	134.2	157.8	141.6	149.7	122.9	122.9	122.9
12:52:00	772	134.2	134.2	134.2	156.7	138.2	147.5	122.9	122.9	122.9
12:53:00	773	134.2	134.2	134.2	156.7	138.9	147.8	122.9	122.9	122.9
12:54:00	774	134.2	134.2	134.2	156.7	141.3	149.0	122.9	122.9	122.9
12:55:00	775	134.2	134.2	134.2	156.7	139.1	147.9	122.9	122.9	122.9
12:56:00	776	134.2	134.2	134.2	155.7	137.7	146.7	122.9	121.8	122.4
12:57:00	777	134.2	134.2	134.2	156.7	137.7	147.2	121.8	121.8	121.8
12:58:00	778	134.2	134.2	134.2	156.7	139.6	148.2	121.8	121.8	121.8
12:59:00	779	133.2	134.2	133.7	156.7	138.4	147.6	121.8	121.8	121.8
13:00:00	780	133.2	134.2	133.7	155.7	139.8	147.7	121.8	121.8	121.8
13:01:00	781	133.2	133.2	133.2	155.7	138.4	147.0	121.8	121.8	121.8
13:02:00	782	133.2	133.2	133.2	155.7	137.1	146.4	121.8	121.8	121.8
13:03:00	783	133.2	133.2	133.2	154.6	139.5	147.0	121.8	121.8	121.8
13:04:00	784	133.2	133.2	133.2	154.6	138.2	146.4	121.8	121.8	121.8
13:05:00	785	133.2	133.2	133.2	155.3	138.7	147.0	121.8	121.8	121.8
13:06:00	786	133.2	133.2	133.2	155.3	138.9	147.1	121.8	120.7	121.3
13:07:00	787	133.2	133.2	133.2	155.3	136.8	146.0	120.7	120.7	120.7
13:08:00	788	133.2	133.2	133.2	154.2	139.1	146.7	120.7	120.7	120.7
13:09:00	789	133.2	133.2	133.2	154.2	139.5	146.8	120.7	120.7	120.7
13:10:00	790	132.1	132.2	132.1	154.2	135.3	144.8	120.7	120.7	120.7
13:11:00	791	132.1	132.2	132.1	153.1	136.8	145.0	120.7	120.7	120.7
13:12:00	792	132.1	132.2	132.1	154.2	139.5	146.8	120.7	120.7	120.7
13:13:00	793	132.1	132.2	132.1	153.1	137.8	145.5	120.7	120.7	120.7
13:14:00	794	132.1	132.2	132.1	154.2	136.9	145.6	120.7	120.7	120.7
13:15:00	795	132.1	132.2	132.1	153.1	138.2	145.7	120.7	120.7	120.7
13:16:00	796	132.1	132.2	132.1	153.1	136.9	145.0	120.7	120.7	120.7
13:17:00	797	132.1	132.2	132.1	153.1	136.9	145.0	120.7	120.7	120.7
13:18:00	798	132.1	132.2	132.1	153.1	136.9	145.0	120.7	120.7	120.7
13:19:00	799	132.1	132.2	132.1	153.1	136.9	145.0	120.7	120.7	120.7
13:20:00	800	131.0	131.1	131.1	152.1	136.9	144.5	120.7	120.7	120.7
13:21:00	801	131.0	131.1	131.1	152.1	135.7	143.9	119.7	120.7	120.2
13:22:00	802	131.0	131.1	131.1	152.1	135.5	143.8	119.7	120.7	120.2
13:23:00	803	131.0	131.1	131.1	152.1	135.7	143.9	119.7	120.7	120.2
13:24:00	804	131.0	131.1	131.1	152.1	136.8	144.4	119.7	120.7	120.2
13:25:00	805	131.0	131.1	131.1	152.1	135.5	143.8	119.7	119.7	119.7
13:26:00	806	131.0	131.1	131.1	152.1	135.1	143.6	119.7	119.7	119.7
13:27:00	807	131.0	131.1	131.1	152.1	138.2	145.1	119.7	119.7	119.7
13:28:00	808	131.0	131.1	131.1	152.1	135.7	143.9	119.7	119.7	119.7
13:29:00	809	131.0	131.1	131.1	151.5	135.7	143.6	119.7	119.7	119.7
13:30:00	810	131.0	130.1	130.6	151.5	136.9	144.2	119.7	119.7	119.7
13:31:00	811	130.0	130.1	130.1	151.5	134.4	143.0	119.7	119.7	119.7
13:32:00	812	130.0	130.1	130.1	151.5	134.2	142.9	119.7	119.7	119.7

13:33:00	813	130.0	130.1	130.1	151.5	134.8	143.2	119.7	119.7	119.7
13:34:00	814	130.0	130.1	130.1	150.1	138.0	144.1	119.7	119.7	119.7
13:35:00	815	130.0	130.1	130.1	150.1	136.6	143.3	119.7	119.7	119.7
13:36:00	816	130.0	130.1	130.1	150.1	134.8	142.4	119.7	119.7	119.7
13:37:00	817	130.0	130.1	130.1	150.8	134.8	142.8	118.6	119.7	119.1
13:38:00	818	130.0	130.1	130.1	150.8	134.8	142.8	118.6	118.6	118.6
13:39:00	819	130.0	130.1	130.1	149.7	133.7	141.7	118.6	118.6	118.6
13:40:00	820	130.0	130.1	130.1	149.7	133.3	141.5	118.6	118.6	118.6
13:41:00	821	130.0	130.1	130.1	149.7	135.0	142.3	118.6	118.6	118.6
13:42:00	822	128.9	129.1	129.0	149.7	135.0	142.3	118.6	118.6	118.6
13:43:00	823	128.9	129.1	129.0	149.7	134.6	142.2	118.6	118.6	118.6
13:48:00	828	128.9	129.1	129.0	148.5	131.0	139.7	117.5	117.5	117.5
13:53:00	833	128.9	129.1	129.0	148.5	135.0	141.7	117.5	117.5	117.5
13:58:00	838	127.9	128.0	127.9	148.5	133.7	141.1	117.5	116.4	117.0
14:03:00	843	127.9	128.0	127.9	147.0	133.3	140.2	116.4	116.4	116.4
14:08:00	848	126.8	127.0	126.9	147.0	134.1	140.5	116.4	115.3	115.9
14:13:00	853	126.8	127.0	126.9	146.1	133.3	139.7	115.3	115.3	115.3
14:18:00	858	125.7	126.0	125.9	146.1	133.7	139.9	115.3	115.3	115.3
14:23:00	863	125.7	126.0	125.9	144.0	129.7	136.9	115.3	115.3	115.3
14:28:00	868	125.7	124.9	125.3	142.9	132.8	137.8	115.3	115.3	115.3
14:33:00	873	124.7	124.9	124.8	142.9	131.5	137.2	114.3	114.3	114.3
14:38:00	878	124.7	124.9	124.8	141.8	128.5	135.1	114.3	114.3	114.3
14:43:00	883	123.6	123.9	123.8	141.8	129.7	135.8	114.3	114.3	114.3
14:48:00	888	123.6	123.9	123.8	141.8	127.6	134.7	113.2	114.3	113.7
14:53:00	893	123.6	122.9	123.3	140.5	129.2	134.9	113.2	113.2	113.2
14:58:00	898	122.5	122.9	122.7	139.5	127.8	133.6	113.2	113.2	113.2
15:03:00	903	122.5	121.9	122.2	139.5	126.7	133.1	112.1	113.2	112.6
15:08:00	908	121.5	121.9	121.7	138.2	127.0	132.6	112.1	113.2	112.6
15:13:00	913	121.5	121.9	121.7	138.2	126.3	132.3	111.0	112.1	111.6
15:18:00	918	121.5	120.9	121.2	136.9	127.2	132.1	111.0	112.1	111.6
15:23:00	923	120.5	120.9	120.7	136.8	126.3	131.5	111.0	112.1	111.6
15:28:00	928	120.5	120.9	120.7	135.7	126.3	131.0	111.0	112.1	111.6
15:33:00	933	120.5	119.9	120.2	135.7	124.7	130.2	111.0	111.0	111.0
15:38:00	938	119.4	119.9	119.7	135.7	124.7	130.2	109.9	111.0	110.5
15:43:00	943	119.4	118.9	119.2	134.6	124.7	129.7	109.9	111.0	110.5
15:48:00	948	119.4	118.9	119.2	134.6	123.8	129.2	108.9	109.9	109.4
15:53:00	953	118.4	118.9	118.6	133.5	123.8	128.7	108.9	109.9	109.4
15:58:00	958	118.4	117.9	118.1	133.5	123.3	128.4	108.9	109.9	109.4
16:03:00	963	117.4	117.9	117.6	132.3	123.1	127.7	108.9	108.9	108.9
16:08:00	968	117.4	117.9	117.6	133.3	123.1	128.2	107.8	108.9	108.3
16:13:00	973	117.4	116.9	117.1	132.3	121.6	127.0	107.8	107.8	107.8
16:18:00	978	116.3	116.9	116.6	131.0	121.5	126.2	107.8	107.8	107.8
16:23:00	983	116.3	115.9	116.1	131.0	122.4	126.7	106.7	107.8	107.2
16:28:00	988	116.3	115.9	116.1	129.9	120.9	125.4	106.7	106.7	106.7
16:33:00	993	115.3	115.9	115.6	129.9	121.3	125.6	105.6	106.7	106.2
16:38:00	998	115.3	114.8	115.1	128.8	120.0	124.4	105.6	106.7	106.2
16:43:00	1003	115.3	114.8	115.1	127.8	120.7	124.3	105.6	106.7	106.2
16:48:00	1008	114.2	114.8	114.5	127.9	119.7	123.8	105.6	105.6	105.6
16:53:00	1013	114.2	113.8	114.0	127.6	118.0	122.8	105.6	105.6	105.6
16:58:00	1018	114.2	113.8	114.0	127.6	118.8	123.2	104.5	105.6	105.1
17:03:00	1023	114.2	113.8	114.0	127.4	118.9	123.2	104.5	105.6	105.1
17:08:00	1028	113.0	112.7	112.9	126.3	118.8	122.5	104.5	105.6	105.1
17:13:00	1033	113.0	112.7	112.9	125.2	118.0	121.6	104.5	105.6	105.1
17:18:00	1038	113.0	112.7	112.9	125.2	117.1	121.2	103.5	105.6	104.5
17:23:00	1043	112.0	111.7	111.8	124.2	118.2	121.2	103.5	105.6	104.5
17:28:00	1048	112.0	111.7	111.8	124.2	118.8	121.5	103.5	105.6	104.5
17:33:00	1053	112.0	111.7	111.8	124.2	117.5	120.8	103.5	104.5	104.0
17:38:00	1058	112.0	111.7	111.8	123.1	117.5	120.3	103.5	104.5	104.0
17:43:00	1063	110.9	110.7	110.8	123.1	118.0	120.6	103.5	104.5	104.0
17:48:00	1068	110.9	110.7	110.8	122.0	115.7	118.9	103.5	104.5	104.0
17:53:00	1073	110.9	110.7	110.8	122.0	116.4	119.2	102.4	103.5	102.9
17:58:00	1078	109.9	109.7	109.8	122.0	116.4	119.2	102.4	103.5	102.9
18:03:00	1083	109.9	109.7	109.8	121.8	115.3	118.6	102.4	103.5	102.9
18:08:00	1088	109.9	109.7	109.8	120.7	116.1	118.4	102.4	103.5	102.9

18:13:00	1093	109.9	109.7	109.8	120.7	117.0	118.9	102.4	103.5	102.9
18:18:00	1098	108.9	109.7	109.3	120.7	114.4	117.6	102.4	103.5	102.9
18:23:00	1103	108.9	108.7	108.8	119.7	114.4	117.1	101.3	103.5	102.4
18:28:00	1108	108.9	108.7	108.8	119.7	114.1	116.9	101.3	103.5	102.4
18:33:00	1113	108.9	108.7	108.8	119.7	113.2	116.4	101.3	102.4	101.8
18:38:00	1118	107.7	107.7	107.7	118.4	113.7	116.1	101.3	102.4	101.8
18:43:00	1123	107.7	107.7	107.7	118.2	114.1	116.2	100.2	101.3	100.8
18:48:00	1128	107.7	107.7	107.7	118.2	112.6	115.4	100.2	101.3	100.8
18:53:00	1133	107.7	107.7	107.7	117.1	112.8	115.0	100.2	101.3	100.8
18:58:00	1138	107.7	107.7	107.7	117.1	111.6	114.4	100.2	101.3	100.8
19:03:00	1143	106.7	106.6	106.6	117.1	112.6	114.9	100.2	101.3	100.8
19:08:00	1148	106.7	106.6	106.6	115.9	112.6	114.3	100.2	101.3	100.8
19:13:00	1153	106.7	106.6	106.6	115.9	112.8	114.4	100.2	101.3	100.8
19:18:00	1158	106.7	106.6	106.6	115.9	111.7	113.8	99.1	101.3	100.2
19:23:00	1163	106.7	105.6	106.1	114.8	111.7	113.3	99.1	101.3	100.2
19:28:00	1168	105.6	105.6	105.6	114.8	110.7	112.7	99.1	100.2	99.7
19:33:00	1173	105.6	105.6	105.6	114.8	111.0	112.9	99.1	100.2	99.7
19:38:00	1178	105.6	105.6	105.6	114.8	111.0	112.9	99.1	100.2	99.7
19:43:00	1183	105.6	104.6	105.1	113.7	111.0	112.4	99.1	100.2	99.7
19:48:00	1188	104.6	104.6	104.6	113.7	109.9	111.8	99.1	99.1	99.1
19:53:00	1193	104.6	104.6	104.6	113.7	109.9	111.8	98.1	99.1	98.6
19:58:00	1198	104.6	104.6	104.6	112.6	109.9	111.3	98.1	99.1	98.6
20:03:00	1203	104.6	104.6	104.6	112.6	109.4	111.0	98.1	99.1	98.6
20:08:00	1208	104.6	103.6	104.1	112.6	107.4	110.0	98.1	99.1	98.6
20:13:00	1213	103.5	103.6	103.5	112.6	109.8	111.2	98.1	99.1	98.6
20:18:00	1218	103.5	103.6	103.5	111.6	108.7	110.1	98.1	99.1	98.6
20:23:00	1223	103.5	103.6	103.5	111.6	108.7	110.1	97.0	98.1	97.5
20:28:00	1228	103.5	103.6	103.5	111.6	107.6	109.6	97.0	98.1	97.5
20:33:00	1233	103.5	102.6	103.0	110.3	108.1	109.2	97.0	98.1	97.5
20:38:00	1238	103.5	102.6	103.0	110.3	108.1	109.2	97.0	98.1	97.5
20:43:00	1243	102.5	102.6	102.5	110.3	107.1	108.7	97.0	98.1	97.5
20:48:00	1248	102.5	102.6	102.5	110.3	107.1	108.7	97.0	97.0	97.0
20:53:00	1253	102.5	102.6	102.5	109.2	107.2	108.2	95.9	97.0	96.4
20:58:00	1258	102.5	101.6	102.0	109.2	107.2	108.2	95.9	97.0	96.4
21:03:00	1263	102.5	101.6	102.0	109.2	107.2	108.2	95.9	97.0	96.4
21:08:00	1268	101.4	101.6	101.5	109.2	106.2	107.7	95.9	97.0	96.4
21:13:00	1273	101.4	101.6	101.5	108.1	106.2	107.2	95.9	97.0	96.4
21:18:00	1278	101.4	101.6	101.5	108.1	106.2	107.2	95.9	97.0	96.4
21:23:00	1283	101.4	100.6	101.0	108.1	105.8	107.0	94.8	95.9	95.4
21:28:00	1288	101.4	100.6	101.0	107.1	104.7	105.9	94.8	95.9	95.4
21:33:00	1293	100.4	100.6	100.5	107.1	105.3	106.2	94.8	95.9	95.4
21:38:00	1298	100.4	100.6	100.5	107.1	105.3	106.2	94.8	95.9	95.4
21:43:00	1303	100.4	100.6	100.5	107.1	105.3	106.2	94.8	95.9	95.4
21:48:00	1308	100.4	100.6	100.5	106.0	104.2	105.1	94.8	95.9	95.4
21:53:00	1313	100.4	99.6	100.0	106.0	104.2	105.1	94.8	94.8	94.8
21:58:00	1318	100.4	99.6	100.0	106.0	104.2	105.1	94.8	94.8	94.8
22:03:00	1323	99.3	99.6	99.4	106.0	104.2	105.1	93.7	94.8	94.3
22:08:00	1328	99.3	99.6	99.4	106.0	104.2	105.1	93.7	94.8	94.3
22:13:00	1333	99.3	99.6	99.4	106.0	102.9	104.5	93.7	94.8	94.3
22:18:00	1338	99.3	98.5	98.9	104.9	103.3	104.1	93.7	94.8	94.3
22:23:00	1343	99.3	98.5	98.9	104.9	103.3	104.1	93.7	94.8	94.3
22:28:00	1348	99.3	98.5	98.9	104.9	103.3	104.1	93.7	94.8	94.3
22:33:00	1353	98.2	98.5	98.4	104.9	103.1	104.0	93.7	94.8	94.3
22:38:00	1358	98.2	98.5	98.4	103.6	103.1	103.4	93.7	94.8	94.3
22:43:00	1363	98.2	98.5	98.4	103.6	102.0	102.8	93.7	94.8	94.3
22:48:00	1368	98.2	98.5	98.4	103.6	103.1	103.4	92.7	93.7	93.2
22:53:00	1373	98.2	97.5	97.9	103.6	103.1	103.4	92.7	93.7	93.2
22:58:00	1378	98.2	97.5	97.9	103.6	103.1	103.4	92.7	93.7	93.2
23:03:00	1383	98.2	97.5	97.9	103.6	102.0	102.8	92.7	93.7	93.2
23:08:00	1388	98.2	97.5	97.9	103.6	102.0	102.8	92.7	93.7	93.2
23:13:00	1393	97.2	97.5	97.4	102.6	102.0	102.3	92.7	93.7	93.2
23:18:00	1398	97.2	97.5	97.4	102.6	102.0	102.3	92.7	93.7	93.2
23:23:00	1403	97.2	97.5	97.4	102.6	103.1	102.8	92.7	93.7	93.2
23:28:00	1408	97.2	97.5	97.4	102.6	102.0	102.3	92.7	93.7	93.2

23:33:00	1413	97.2	97.5	97.4	102.6	102.0	102.3	92.7	93.7	93.2
23:38:00	1418	97.2	96.4	96.8	101.5	102.0	101.8	92.7	93.7	93.2
23:43:00	1423	97.2	96.4	96.8	101.5	102.0	101.8	92.7	93.7	93.2
23:48:00	1428	97.2	96.4	96.8	101.5	102.0	101.8	92.7	93.7	93.2
23:53:00	1433	97.2	96.4	96.8	101.5	101.7	101.6	92.7	93.7	93.2
23:58:00	1438	97.2	96.4	96.8	101.5	101.7	101.6	92.7	93.7	93.2
0:03:00	1443	96.2	96.4	96.3	101.5	100.6	101.0	92.7	93.7	93.2
0:08:00	1448	96.2	96.4	96.3	101.5	100.6	101.0	92.7	93.7	93.2
0:13:00	1453	96.2	96.4	96.3	101.5	101.8	101.7	92.7	93.7	93.2
0:18:00	1458	96.2	96.4	96.3	100.4	99.7	100.0	92.7	93.7	93.2
0:23:00	1463	96.2	96.4	96.3	100.4	101.5	100.9	92.7	93.7	93.2
0:28:00	1468	96.2	95.4	95.8	100.4	100.0	100.2	92.7	93.7	93.2
0:33:00	1473	96.2	95.4	95.8	100.4	100.0	100.2	92.7	92.7	92.7
0:38:00	1478	96.2	95.4	95.8	100.4	100.0	100.2	92.7	92.7	92.7
0:43:00	1483	96.2	95.4	95.8	100.4	100.0	100.2	92.7	92.7	92.7
0:48:00	1488	96.2	95.4	95.8	99.3	98.8	99.1	91.6	92.7	92.1
0:53:00	1493	95.1	95.4	95.3	99.3	99.9	99.6	91.6	92.7	92.1
0:58:00	1498	95.1	95.4	95.3	99.3	99.9	99.6	91.6	92.7	92.1
1:03:00	1503	95.1	95.4	95.3	99.3	99.7	99.5	91.6	92.7	92.1
1:08:00	1508	95.1	95.4	95.3	99.3	99.7	99.5	91.6	92.7	92.1
1:13:00	1513	95.1	94.4	94.8	99.3	99.7	99.5	91.6	91.6	91.6
1:18:00	1518	95.1	94.4	94.8	98.2	98.6	98.4	91.6	91.6	91.6
1:23:00	1523	95.1	94.4	94.8	98.2	98.6	98.4	90.5	91.6	91.0
1:28:00	1528	95.1	94.4	94.8	98.2	98.4	98.3	90.5	91.6	91.0
1:33:00	1533	95.1	94.4	94.8	98.2	98.2	98.2	90.5	91.6	91.0
1:38:00	1538	95.1	94.4	94.8	98.2	98.2	98.2	90.5	91.6	91.0
1:43:00	1543	94.1	94.4	94.3	98.2	98.2	98.2	90.5	91.6	91.0
1:48:00	1548	94.1	94.4	94.3	98.2	98.2	98.2	90.5	91.6	91.0
1:53:00	1553	94.1	94.4	94.3	97.2	98.2	97.7	90.5	91.6	91.0
1:58:00	1558	94.1	93.4	93.7	97.2	98.2	97.7	90.5	91.6	91.0
2:03:00	1563	94.1	93.4	93.7	97.2	98.2	97.7	90.5	91.6	91.0
2:08:00	1568	94.1	93.4	93.7	97.2	98.2	97.7	90.5	91.6	91.0
2:13:00	1573	94.1	93.4	93.7	97.2	98.2	97.7	90.5	91.6	91.0
2:18:00	1578	94.1	93.4	93.7	97.2	97.2	97.2	90.5	90.5	90.5
2:23:00	1583	94.1	93.4	93.7	97.2	97.2	97.2	89.4	90.5	90.0
2:28:00	1588	94.1	93.4	93.7	96.1	97.2	96.6	89.4	90.5	90.0
2:33:00	1593	94.1	93.4	93.7	96.1	97.2	96.6	89.4	90.5	90.0
2:38:00	1598	93.0	93.4	93.2	96.1	97.2	96.6	89.4	90.5	90.0
2:43:00	1603	93.0	93.4	93.2	96.1	97.2	96.6	89.4	90.5	90.0
2:48:00	1608	93.0	93.4	93.2	96.1	95.9	96.0	89.4	90.5	90.0
2:53:00	1613	93.0	92.3	92.7	96.1	95.9	96.0	89.4	90.5	90.0
2:58:00	1618	93.0	92.3	92.7	96.1	95.9	96.0	89.4	90.5	90.0
3:03:00	1623	93.0	92.3	92.7	95.0	95.9	95.5	89.4	90.5	90.0
3:08:00	1628	93.0	92.3	92.7	95.0	95.9	95.5	89.4	90.5	90.0
3:13:00	1633	93.0	92.3	92.7	95.0	95.9	95.5	89.4	90.5	90.0
3:18:00	1638	93.0	92.3	92.7	95.0	96.1	95.5	89.4	90.5	90.0
3:23:00	1643	93.0	92.3	92.7	95.0	96.1	95.5	89.4	89.4	89.4
3:28:00	1648	93.0	92.3	92.7	95.0	96.1	95.5	89.4	89.4	89.4
3:33:00	1653	93.0	92.3	92.7	95.0	96.1	95.5	89.4	89.4	89.4
3:38:00	1658	91.9	92.3	92.1	95.0	95.0	95.0	89.4	89.4	89.4
3:43:00	1663	91.9	92.3	92.1	95.0	95.0	95.0	88.3	89.4	88.9
3:48:00	1668	91.9	92.3	92.1	93.9	95.0	94.5	88.3	89.4	88.9
3:53:00	1673	91.9	92.3	92.1	93.9	95.0	94.5	88.3	89.4	88.9
3:58:00	1678	91.9	91.3	91.6	93.9	95.0	94.5	88.3	89.4	88.9
4:03:00	1683	91.9	91.3	91.6	93.9	95.0	94.5	88.3	89.4	88.9
4:08:00	1688	91.9	91.3	91.6	93.9	95.0	94.5	88.3	89.4	88.9
4:13:00	1693	91.9	91.3	91.6	93.9	95.0	94.5	88.3	88.3	88.3
4:18:00	1698	91.9	91.3	91.6	93.9	93.9	93.9	88.3	88.3	88.3
4:23:00	1703	91.9	91.3	91.6	93.9	93.9	93.9	88.3	88.3	88.3
4:28:00	1708	91.9	91.3	91.6	93.9	95.0	94.5	88.3	88.3	88.3
4:33:00	1713	91.9	91.3	91.6	92.8	93.9	93.4	88.3	88.3	88.3
4:38:00	1718	91.9	91.3	91.6	92.8	93.9	93.4	87.3	88.3	87.8
4:43:00	1723	90.9	91.3	91.1	92.8	93.9	93.4	87.3	88.3	87.8
4:48:00	1728	90.9	90.2	90.6	92.8	93.9	93.4	87.3	88.3	87.8

4:53:00	1733	90.9	90.2	90.6	92.8	93.9	93.4	87.3	88.3	87.8
4:58:00	1738	90.9	90.2	90.6	92.8	93.9	93.4	87.3	88.3	87.8
5:03:00	1743	90.9	90.2	90.6	92.8	93.9	93.4	87.3	88.3	87.8
5:08:00	1748	90.9	90.2	90.6	92.8	93.9	93.4	87.3	88.3	87.8
5:13:00	1753	90.9	90.2	90.6	92.8	93.9	93.4	87.3	88.3	87.8
5:18:00	1758	90.9	90.2	90.6	92.8	93.9	93.4	87.3	88.3	87.8
5:23:00	1763	90.9	90.2	90.6	92.8	92.8	92.8	87.3	87.3	87.3
5:28:00	1768	90.9	90.2	90.6	91.8	93.9	92.8	87.3	87.3	87.3
5:33:00	1773	90.9	90.2	90.6	91.8	93.9	92.8	87.3	87.3	87.3
5:38:00	1778	90.9	90.2	90.6	91.8	92.8	92.3	86.2	87.3	86.7
5:43:00	1783	90.9	90.2	90.6	91.8	92.8	92.3	86.2	87.3	86.7
5:48:00	1788	89.8	90.2	90.0	91.8	92.8	92.3	86.2	87.3	86.7
5:53:00	1793	89.8	90.2	90.0	91.8	92.8	92.3	86.2	87.3	86.7
5:58:00	1798	89.8	89.2	89.5	91.8	92.8	92.3	86.2	87.3	86.7
6:03:00	1803	89.8	89.2	89.5	91.8	92.8	92.3	86.2	87.3	86.7
6:08:00	1808	89.8	89.2	89.5	91.8	92.8	92.3	86.2	87.3	86.7
6:13:00	1813	89.8	89.2	89.5	91.8	92.8	92.3	86.2	87.3	86.7
6:18:00	1818	89.8	89.2	89.5	90.7	92.8	91.8	86.2	87.3	86.7
6:23:00	1823	89.8	89.2	89.5	90.7	92.8	91.8	86.2	87.3	86.7
6:28:00	1828	89.8	89.2	89.5	90.7	92.8	91.8	86.2	87.3	86.7
6:33:00	1833	89.8	89.2	89.5	90.7	92.7	91.7	86.2	87.3	86.7
6:38:00	1838	89.8	89.2	89.5	90.7	92.7	91.7	86.2	87.3	86.7
6:43:00	1843	89.8	89.2	89.5	90.7	91.6	91.1	86.2	87.3	86.7
6:48:00	1848	89.8	89.2	89.5	90.7	91.6	91.1	86.2	87.3	86.7
6:53:00	1853	88.8	88.2	88.5	90.7	91.6	91.1	86.2	87.3	86.7
6:58:00	1858	88.8	88.2	88.5	90.7	91.6	91.1	86.2	86.2	86.2
7:03:00	1863	88.8	88.2	88.5	90.7	91.6	91.1	86.2	86.2	86.2
7:08:00	1868	88.8	88.2	88.5	90.7	91.6	91.1	86.2	86.2	86.2
7:13:00	1873	88.8	88.2	88.5	89.6	91.6	90.6	86.2	86.2	86.2
7:18:00	1878	88.8	88.2	88.5	89.6	91.6	90.6	86.2	86.2	86.2
7:23:00	1883	88.8	88.2	88.5	89.6	91.6	90.6	85.1	86.2	85.6
7:28:00	1888	88.8	88.2	88.5	89.6	91.6	90.6	85.1	86.2	85.6
7:33:00	1893	88.8	88.2	88.5	89.6	91.6	90.6	85.1	86.2	85.6
7:38:00	1898	88.8	88.2	88.5	89.6	90.5	90.1	85.1	86.2	85.6
7:43:00	1903	88.8	88.2	88.5	89.6	90.5	90.1	85.1	86.2	85.6
7:48:00	1908	88.8	88.2	88.5	89.6	90.5	90.1	85.1	86.2	85.6
7:53:00	1913	88.8	88.2	88.5	89.6	90.5	90.1	85.1	86.2	85.6
7:58:00	1918	88.8	88.2	88.5	89.6	90.5	90.1	85.1	86.2	85.6
8:03:00	1923	88.8	88.2	88.5	89.6	90.5	90.1	85.1	86.2	85.6
8:08:00	1928	87.8	87.2	87.5	89.6	90.5	90.1	85.1	85.1	85.1
8:13:00	1933	87.8	87.2	87.5	88.5	90.5	89.5	85.1	85.1	85.1
8:18:00	1938	87.8	87.2	87.5	88.5	90.5	89.5	85.1	85.1	85.1
8:23:00	1943	87.8	87.2	87.5	88.5	90.5	89.5	85.1	85.1	85.1
8:28:00	1948	87.8	87.2	87.5	88.5	89.4	89.0	85.1	85.1	85.1
8:33:00	1953	87.8	87.2	87.5	88.5	90.5	89.5	85.1	85.1	85.1
8:38:00	1958	87.8	87.2	87.5	88.5	89.4	89.0	85.1	85.1	85.1
8:43:00	1963	87.8	87.2	87.5	88.5	89.4	89.0	85.1	85.1	85.1
8:48:00	1968	87.8	87.2	87.5	88.5	89.4	89.0	84.0	85.1	84.6
8:53:00	1973	87.8	87.2	87.5	88.5	89.4	89.0	84.0	85.1	84.6
8:58:00	1978	87.8	87.2	87.5	88.5	89.4	89.0	84.0	85.1	84.6
9:03:00	1983	87.8	87.2	87.5	88.5	89.4	89.0	84.0	85.1	84.6
9:08:00	1988	87.8	87.2	87.5	88.5	89.4	89.0	84.0	85.1	84.6
9:13:00	1993	87.8	87.2	87.5	88.5	89.4	89.0	84.0	85.1	84.6
9:18:00	1998	87.8	86.2	87.0	87.4	88.3	87.9	84.0	85.1	84.6
9:23:00	2003	87.8	86.2	87.0	87.4	88.3	87.9	84.0	85.1	84.6
9:28:00	2008	86.7	86.2	86.5	87.4	89.4	88.4	84.0	85.1	84.6
9:33:00	2013	86.7	86.2	86.5	87.4	89.4	88.4	82.9	84.0	83.5
9:38:00	2018	86.7	86.2	86.5	87.4	88.3	87.9	82.9	84.0	83.5
9:43:00	2023	86.7	86.2	86.5	87.4	88.3	87.9	82.9	84.0	83.5
9:48:00	2028	86.7	86.2	86.5	87.4	88.3	87.9	82.9	84.0	83.5
9:53:00	2033	86.7	86.2	86.5	87.4	88.3	87.9	82.9	84.0	83.5
9:58:00	2038	86.7	86.2	86.5	87.4	88.3	87.9	82.9	84.0	83.5
10:03:00	2043	86.7	86.2	86.5	87.4	88.3	87.9	82.9	84.0	83.5
10:08:00	2048	86.7	86.2	86.5	87.4	88.3	87.9	82.9	84.0	83.5

10:13:00	2053	86.7	86.2	86.5	87.4	88.3	87.9	82.9	84.0	83.5
10:18:00	2058	86.7	86.2	86.5	87.4	88.3	87.9	82.9	84.0	83.5
10:23:00	2063	86.7	86.2	86.5	86.4	88.3	87.4	82.9	84.0	83.5
10:28:00	2068	86.7	86.2	86.5	86.4	88.3	87.4	82.9	84.0	83.5
10:33:00	2073	86.7	85.2	85.9	86.4	88.3	87.4	82.9	84.0	83.5
10:38:00	2078	86.7	85.2	85.9	86.4	88.3	87.4	82.9	84.0	83.5
10:43:00	2083	85.6	85.2	85.4	86.4	87.3	86.8	82.9	82.9	82.9
10:48:00	2088	85.6	85.2	85.4	86.4	87.3	86.8	82.9	82.9	82.9
10:53:00	2093	85.6	85.2	85.4	86.4	87.3	86.8	82.9	82.9	82.9
10:58:00	2098	85.6	85.2	85.4	86.4	87.3	86.8	82.9	82.9	82.9
11:03:00	2103	85.6	85.2	85.4	86.4	87.3	86.8	81.9	82.9	82.4
11:08:00	2108	85.6	85.2	85.4	86.4	87.3	86.8	81.9	82.9	82.4
11:13:00	2113	85.6	85.2	85.4	86.4	87.3	86.8	81.9	82.9	82.4
11:18:00	2118	85.6	85.2	85.4	86.4	87.3	86.8	81.9	82.9	82.4
11:23:00	2123	85.6	85.2	85.4	86.4	87.3	86.8	81.9	82.9	82.4
11:28:00	2128	85.6	85.2	85.4	86.4	87.3	86.8	81.9	82.9	82.4
11:33:00	2133	85.6	85.2	85.4	85.3	87.3	86.3	81.9	82.9	82.4
11:38:00	2138	85.6	85.2	85.4	85.3	87.3	86.3	81.9	82.9	82.4
11:43:00	2143	85.6	85.2	85.4	85.3	87.1	86.2	81.9	82.9	82.4
11:48:00	2148	85.6	84.1	84.9	85.3	87.1	86.2	81.9	82.9	82.4
11:53:00	2153	85.6	84.1	84.9	85.3	87.1	86.2	81.9	82.9	82.4
11:58:00	2158	85.6	84.1	84.9	85.3	87.1	86.2	81.9	82.9	82.4
12:03:00	2163	84.6	84.1	84.4	85.3	87.1	86.2	81.9	82.9	82.4
12:08:00	2168	84.6	84.1	84.4	85.3	87.1	86.2	81.9	82.9	82.4
12:13:00	2173	84.6	84.1	84.4	85.3	86.0	85.6	81.9	81.9	81.9
12:18:00	2178	84.6	84.1	84.4	85.3	86.0	85.6	81.9	81.9	81.9
12:23:00	2183	84.6	84.1	84.4	85.3	86.0	85.6	81.9	81.9	81.9
12:28:00	2188	84.6	84.1	84.4	85.3	86.0	85.6	80.8	81.9	81.3
12:33:00	2193	84.6	84.1	84.4	85.3	86.0	85.6	80.8	81.9	81.3
12:38:00	2198	84.6	84.1	84.4	85.3	86.0	85.6	80.8	81.9	81.3
12:43:00	2203	84.6	84.1	84.4	84.2	86.0	85.1	80.8	81.9	81.3
12:48:00	2208	84.6	84.1	84.4	84.2	86.0	85.1	80.8	81.9	81.3
12:53:00	2213	84.6	84.1	84.4	84.2	86.0	85.1	80.8	81.9	81.3
12:58:00	2218	84.6	83.1	83.8	84.2	86.0	85.1	80.8	81.9	81.3
13:03:00	2223	84.6	83.1	83.8	84.2	86.0	85.1	80.8	81.9	81.3
13:08:00	2228	84.6	83.1	83.8	84.2	86.0	85.1	80.8	80.8	80.8
13:13:00	2233	84.6	83.1	83.8	84.2	84.9	84.6	80.8	80.8	80.8
13:18:00	2238	84.6	83.1	83.8	84.2	84.9	84.6	80.8	80.8	80.8
13:23:00	2243	83.5	83.1	83.3	84.2	84.9	84.6	79.7	80.8	80.2
13:28:00	2248	83.5	83.1	83.3	84.2	84.9	84.6	79.7	80.8	80.2
13:33:00	2253	83.5	83.1	83.3	84.2	84.9	84.6	79.7	80.8	80.2
13:38:00	2258	83.5	83.1	83.3	84.2	84.9	84.6	79.7	80.8	80.2
13:43:00	2263	83.5	83.1	83.3	84.2	84.9	84.6	79.7	80.8	80.2
13:48:00	2268	83.5	83.1	83.3	84.2	84.9	84.6	79.7	80.8	80.2
13:53:00	2273	83.5	83.1	83.3	84.2	84.9	84.6	79.7	80.8	80.2
13:58:00	2278	83.5	83.1	83.3	84.2	84.9	84.6	79.7	80.8	80.2
14:03:00	2283	83.5	83.1	83.3	84.2	84.9	84.6	79.7	80.8	80.2
14:08:00	2288	83.5	83.1	83.3	84.2	84.9	84.6	79.7	80.8	80.2
14:13:00	2293	83.5	83.1	83.3	83.1	84.9	84.0	79.7	80.8	80.2
14:18:00	2298	83.5	83.1	83.3	83.1	84.9	84.0	79.7	80.8	80.2
14:23:00	2303	83.5	82.1	82.8	83.1	84.9	84.0	79.7	80.8	80.2
14:28:00	2308	83.5	82.1	82.8	83.1	84.9	84.0	79.7	80.8	80.2
14:33:00	2313	83.5	82.1	82.8	83.1	84.9	84.0	79.7	80.8	80.2
14:38:00	2318	82.5	82.1	82.3	83.1	84.9	84.0	79.7	80.8	80.2
14:43:00	2323	82.5	82.1	82.3	83.1	84.9	84.0	79.7	80.8	80.2
14:48:00	2328	82.5	82.1	82.3	83.1	84.9	84.0	79.7	80.8	80.2
14:53:00	2333	82.5	82.1	82.3	83.1	83.8	83.5	79.7	80.8	80.2
14:58:00	2338	82.5	82.1	82.3	83.1	83.8	83.5	79.7	79.7	79.7
15:03:00	2343	82.5	82.1	82.3	83.1	83.8	83.5	79.7	79.7	79.7
15:08:00	2348	82.5	82.1	82.3	83.1	83.8	83.5	79.7	79.7	79.7
15:13:00	2353	82.5	82.1	82.3	83.1	83.8	83.5	79.7	79.7	79.7
15:18:00	2358	82.5	82.1	82.3	83.1	83.8	83.5	79.7	79.7	79.7
15:23:00	2363	82.5	82.1	82.3	83.1	83.8	83.5	79.7	79.7	79.7
15:28:00	2368	82.5	82.1	82.3	83.1	84.9	84.0	79.7	79.7	79.7

15:33:00	2373	82.5	82.1	82.3	82.0	84.9	83.5	79.7	79.7	79.7
15:38:00	2378	82.5	82.1	82.3	82.0	84.9	83.5	78.6	79.7	79.2
15:43:00	2383	82.5	82.1	82.3	82.0	84.9	83.5	78.6	79.7	79.2
15:48:00	2388	82.5	81.1	81.8	82.0	84.9	83.5	78.6	79.7	79.2
15:53:00	2393	82.5	81.1	81.8	82.0	84.9	83.5	78.6	79.7	79.2
15:58:00	2398	82.5	81.1	81.8	82.0	84.9	83.5	78.6	79.7	79.2
16:03:00	2403	82.5	81.1	81.8	82.0	84.9	83.5	78.6	79.7	79.2
16:08:00	2408	82.5	81.1	81.8	82.0	84.9	83.5	78.6	79.7	79.2
16:13:00	2413	81.5	81.1	81.3	82.0	84.9	83.5	78.6	79.7	79.2
16:18:00	2418	81.5	81.1	81.3	82.0	84.9	83.5	78.6	79.7	79.2
16:23:00	2423	81.5	81.1	81.3	82.0	84.9	83.5	78.6	79.7	79.2
16:28:00	2428	81.5	81.1	81.3	82.0	84.9	83.5	78.6	79.7	79.2
16:33:00	2433	81.5	81.1	81.3	82.0	84.9	83.5	78.6	79.7	79.2
16:38:00	2438	81.5	81.1	81.3	82.0	84.9	83.5	78.6	79.7	79.2
16:43:00	2443	81.5	81.1	81.3	82.0	84.9	83.5	78.6	79.7	79.2
16:48:00	2448	81.5	81.1	81.3	82.0	84.9	83.5	78.6	79.7	79.2
16:53:00	2453	81.5	81.1	81.3	82.0	83.8	82.9	78.6	78.6	78.6
16:58:00	2458	81.5	81.1	81.3	82.0	83.8	82.9	78.6	78.6	78.6
17:03:00	2463	81.5	81.1	81.3	82.0	83.8	82.9	78.6	78.6	78.6
17:08:00	2468	81.5	81.1	81.3	82.0	83.8	82.9	78.6	78.6	78.6
17:13:00	2473	81.5	81.1	81.3	81.0	83.8	82.4	77.5	78.6	78.1
17:18:00	2478	81.5	81.1	81.3	81.0	83.8	82.4	77.5	78.6	78.1
17:23:00	2483	81.5	81.1	81.3	81.0	83.8	82.4	77.5	78.6	78.1
17:28:00	2488	81.5	80.1	80.8	81.0	83.8	82.4	77.5	78.6	78.1
17:33:00	2493	81.5	80.1	80.8	81.0	83.8	82.4	77.5	78.6	78.1
17:38:00	2498	81.5	80.1	80.8	81.0	83.8	82.4	77.5	78.6	78.1