NISTIR 7576

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

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April 2009

U.S. Department of Commerce
Gary Locke, Secretary

National Institute of Standards and Technology
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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.

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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 Ghojel 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:

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

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·K),
h_c = convective heat transfer coefficient, generally taken to be 25 $W/(m^2 \cdot K)$ [2,7,9,10],
T_f = furnace temperature at time t, K,
T_s =steel temperature at time t, K,
σ = Stefan-Boltzmann constant, 5.67×10^{-8} $W/(m^2 \cdot K^4)$,
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 ºC.

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}.

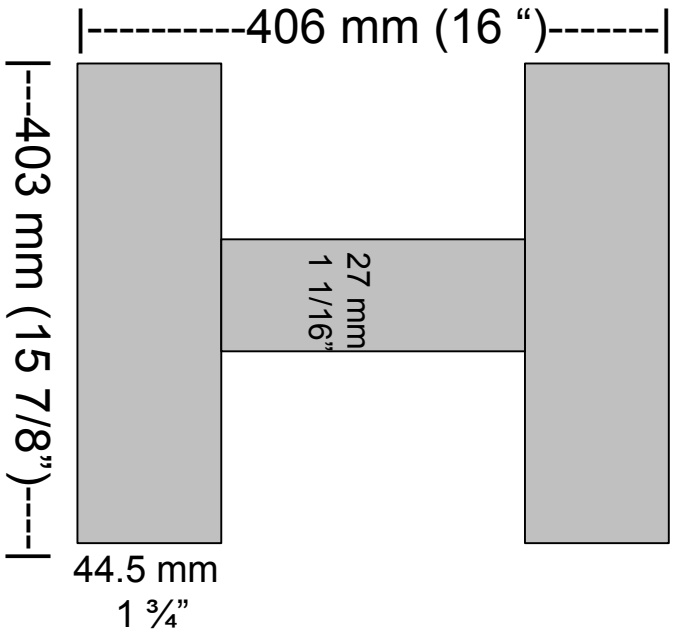

Figure 1. **Schematic of the cross-section of the W14x233 structural steel column tested in the column furnace (not to scale). Units given in inches are the exact values, to conform to specification documents for columns.**

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 90º 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 ºC to 800 ºC [7]." Four of the five data sets exhibited little variation in ε with temperature in the range of 20 ºC to 600 ºC. 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 ºC 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 ºC), 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 ºC, 400 ºC, 600 ºC, and 800 ºC 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

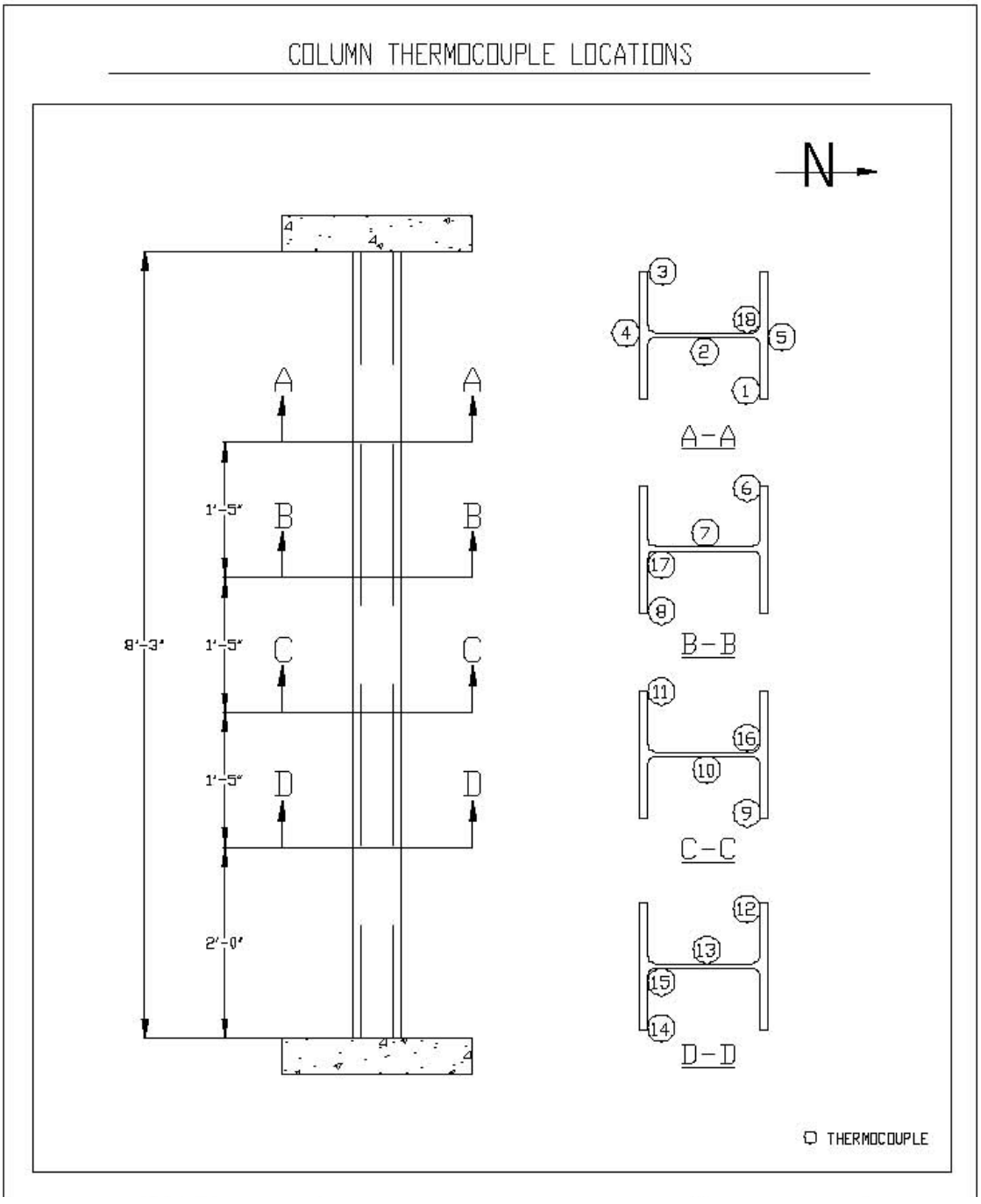

Figure 2. Thermocouple layout for the bare steel column tested in the column furnace. Dimensions are given in feet and inches to conform to specification documents for columns.

specimen after exposure to 400 ºC 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 ºC (or 800 ºC) 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 ºC indicate the progress of the oxidation process during exposure to this temperature, while the 200 ºC 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:

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

where:
λ = wavelength, μm,
T = temperature, K
C_1 = 3.743 x 10^8 W·μm^4/m^2, and
C_2 = 1.4287 x 10^4 μm·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:

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

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.

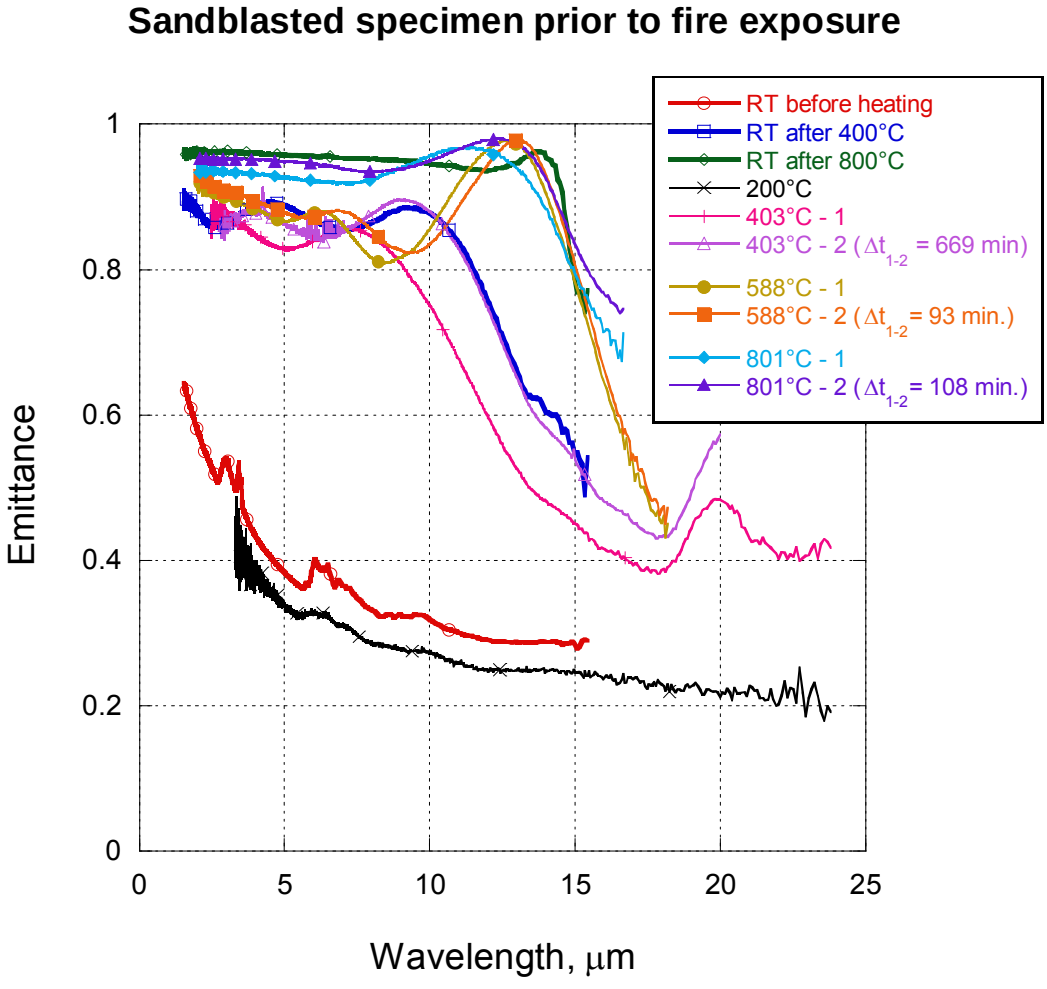

Figure 4. Measured emittance results vs. wavelength at various temperatures for the structural steel specimen that was sandblasted (prior to fire exposure).

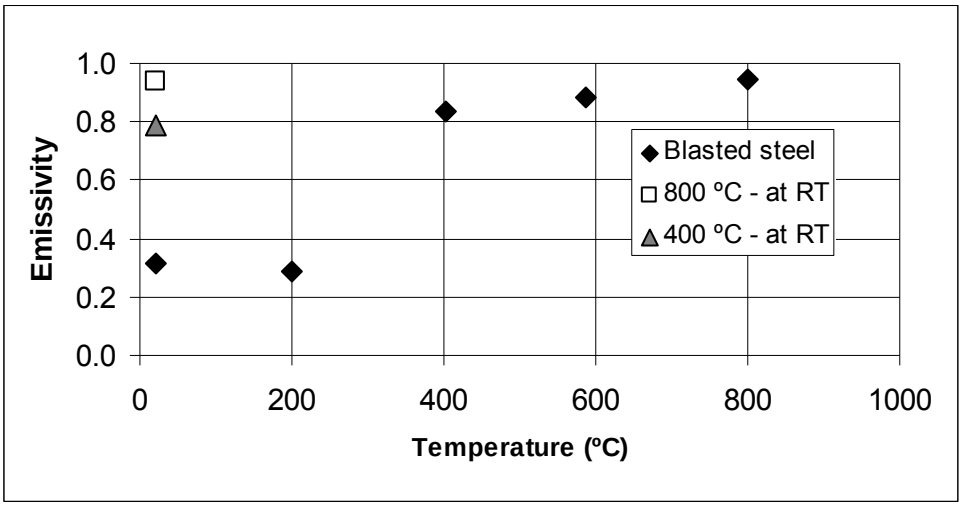

Figure 5. Computed emissivity vs. temperature for the sandblasted steel specimen.

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.

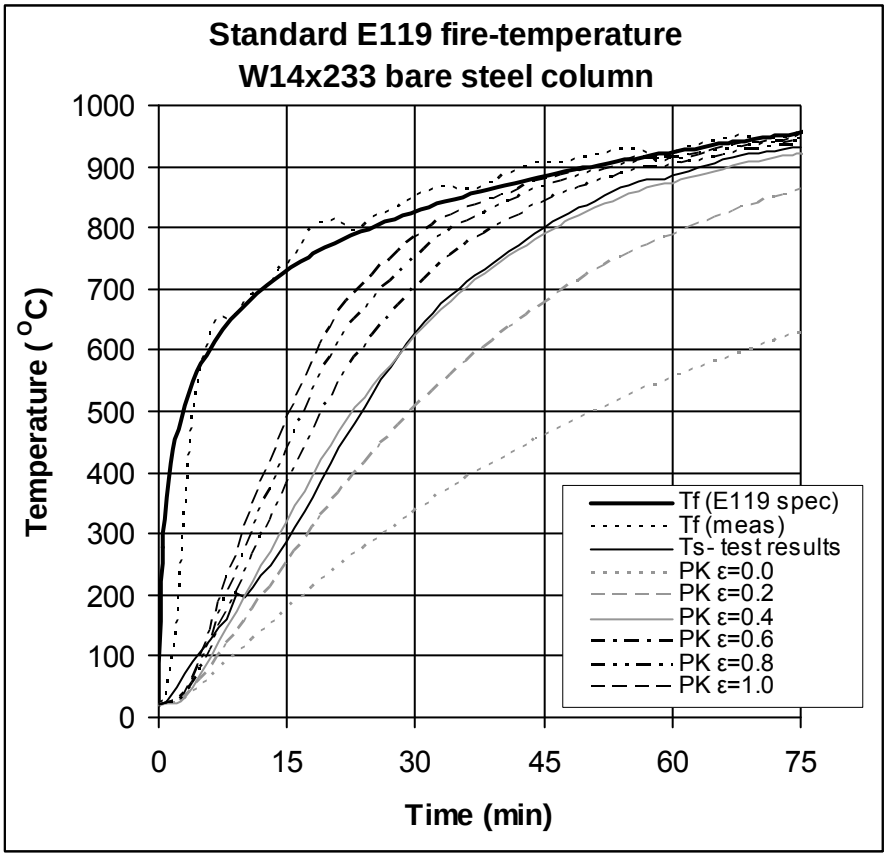

Figure 6. Experimental and model results for average temperature of bare steel column vs. time during an ASTM International E119 fire test exposure.

With ε = 0.4, an excellent fit to the measured data is obtained for temperatures greater than 200 ºC or testing times greater than about 10 min. Comparing this emissivity value to those measured at 400 ºC (0.83) or 800 ºC (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/(m^2·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/(m^2·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/(m^2·K).

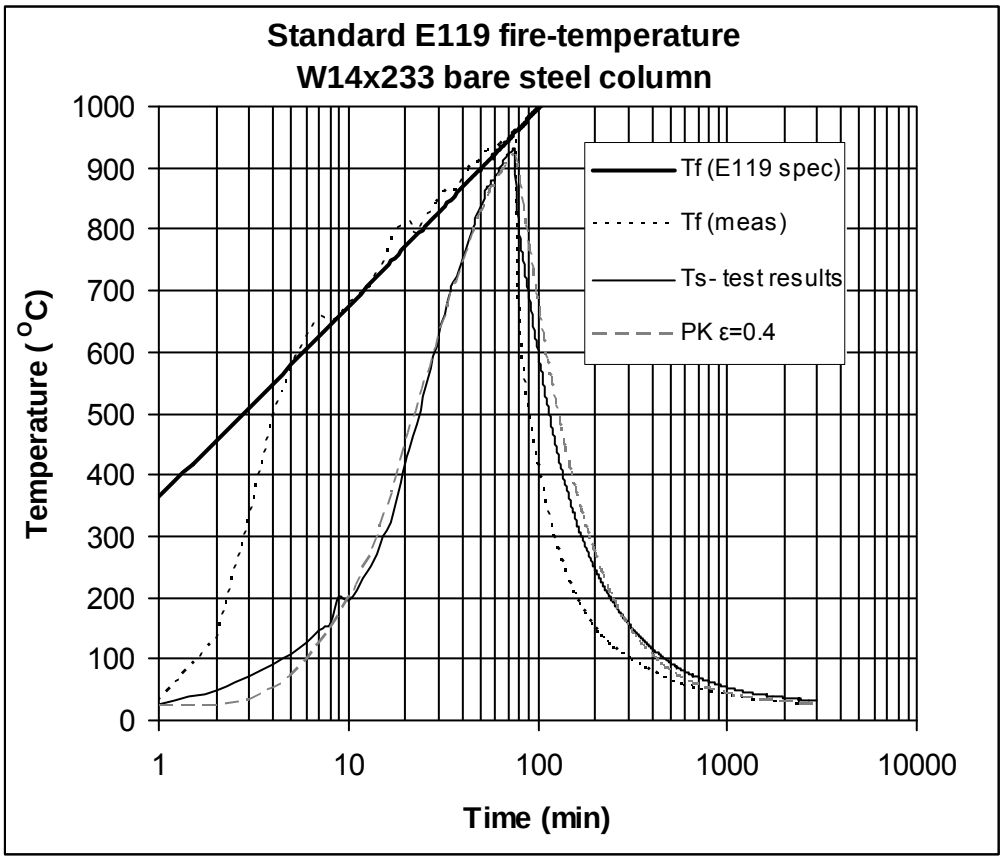

Figure 7. Measured and predicted temperatures during fire exposure and subsequent cool down in the column furnace.

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, Isolatek International, PPG Industries, and W.R. Grace & Co.- Conn. Special thanks are expressed to Isolatek International for providing the bare steel column employed in the column furnace test.

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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 ºF. All temperatures are reported in ºF, 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	Time	STD	TC #1	TC #2	TC #3	TC #4	TC #5	TC #6	TC #7	TC #8	AVE
hr:min:sec	Min	TEMP	Deg.F	Deg.F	Deg.F	Deg.F	Deg.F	Deg.F	Deg.F	Deg.F	Deg.F
Channel	0		1	2	3	4	5	6	7	8	
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
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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
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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
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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
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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
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5:28:00	1768	88	85	88	85	88	85	87	84	86
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6:03:00	1803	88	85	87	85	88	85	87	84	86
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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	TC #1	TC #2	TC #3	TC #4	TC #6	TC #7	TC #8	TC #9	TC #10	TC #11	TC #12	TC #13	TC #14	TC #15	TC #16	TC #17	AVERAGE
Min	Deg. F	Deg. F	Deg. F	Deg. F	Deg. F	Deg. F	Deg. F	Deg. F	Deg. F	Deg. F	Deg. F	Deg. F	Deg. F	Deg. F	Deg. F	Deg. F	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
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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
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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
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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
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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
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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
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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	322.7	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	247.9	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	147.6	148.5	141.6	138.9	139.1	140.5	146.5	160.0	161.8
675	160.0	159.8	160.3	160.3	154.0	155.5	154.6	147.9	146.5	148.5	141.6	138.9	139.1	140.5	146.5	160.0	161.4
676	160.0	159.8	160.3	160.3	154.0	154.4	154.6	147.9	146.5	147.4	141.6	138.9	139.1	139.5	146.5	160.0	161.5
677	158.9	159.8	160.3	160.3	154.0	154.4	154.6	146.8	146.5	147.4	141.6	138.9	138.0	139.5	146.5	160.0	161.7
678	158.9	159.8	160.3	160.3	154.0	154.4	153.5	146.8	146.5	147.4	140.5	138.9	138.0	139.5	146.5	160.0	161.2
679	158.9	158.7	160.3	160.3	154.0	154.4	153.5	146.8	146.5	147.4	140.5	137.8	138.0	139.5	146.5	160.0	161.0
680	158.9	158.7	159.3	160.3	154.0	154.4	153.5	146.8	146.5	147.4	140.5	137.8	138.0	139.5	146.5	158.9	160.9
681	158.9	158.7	159.3	160.3	152.8	154.4	153.5	146.8	146.5	147.4	140.5	137.8	138.0	139.5	146.5	158.9	160.5
682	158.9	158.7	159.3	159.3	152.8	153.3	153.5	146.8	146.5	147.4	140.5	137.8	138.0	139.5	145.4	158.9	160.6
683	158.9	158.7	159.3	159.3	152.8	153.3	153.5	146.8	146.5	147.4	140.5	137.8	138.0	139.5	145.4	158.9	160.7
684	157.8	158.7	159.3	159.3	152.8	153.3	153.5	146.8	145.4	146.3	140.5	137.8	138.0	139.5	145.4	158.9	160.6
685	157.8	158.7	159.3	159.3	152.8	153.3	152.4	145.8	145.4	146.3	140.5	137.8	136.9	138.4	145.4	158.9	159.7
686	157.8	157.6	158.2	159.3	152.8	153.3	152.4	145.8	145.4	146.3	140.5	137.8	136.9	138.4	145.4	158.9	160.0
687	157.8	157.6	158.2	159.3	152.8	153.3	152.4	145.8	145.4	146.3	139.5	137.8	136.9	138.4	145.4	157.8	159.7
688	157.8	157.6	158.2	158.2	151.7	153.3	152.4	145.8	145.4	146.3	139.5	136.8	136.9	138.4	145.4	157.8	159.9
689	157.8	157.6	158.2	158.2	151.7	152.2	152.4	145.8	145.4	145.2	139.5	136.8	136.9	138.4	144.3	157.8	159.4
690	156.7	157.6	158.2	158.2	151.7	152.2	152.4	145.8	145.4	145.2	139.5	136.8	136.9	138.4	144.3	157.8	159.3
691	156.7	157.6	158.2	158.2	151.7	152.2	152.4	145.8	144.3	145.2	139.5	136.8	136.9	138.4	144.3	157.8	159.3
692	156.7	156.6	158.2	158.2	151.7	152.2	152.4	145.8	144.3	145.2	139.5	136.8	136.9	138.4	144.3	157.8	159.4
693	156.7	156.6	157.1	158.2	151.7	152.2	151.3	144.7	144.3	145.2	139.5	136.8	136.9	138.4	144.3	157.8	159.1
694	156.7	156.6	157.1	157.1	151.7	152.2	151.3	144.7	144.3	145.2	138.4	136.8	136.9	137.3	144.3	156.7	158.7
695	156.7	156.6	157.1	157.1	151.7	152.2	151.3	144.7	144.3	145.2	138.4	136.8	135.9	137.3	144.3	156.7	158.8
696	156.7	156.6	157.1	157.1	150.6	152.2	151.3	144.7	144.3	145.2	138.4	135.7	135.9	137.3	144.3	156.7	158.6
697	156.7	156.6	157.1	157.1	150.6	151.2	151.3	144.7	144.3	145.2	138.4	135.7	135.9	137.3	144.3	156.7	158.4
698	155.7	156.6	157.1	157.1	150.6	151.2	151.3	144.7	143.2	144.1	138.4	135.7	135.9	137.3	143.2	156.7	158.3

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	141.1	142.0	136.2	133.5	133.7	134.1	141.1	153.6	155.4
722	152.2	152.2	152.8	153.9	147.4	147.9	148.1	141.4	141.1	142.0	136.2	133.5	133.7	134.1	141.1	152.6	155.2
723	152.2	152.2	152.8	152.8	147.4	147.9	147.0	141.4	141.1	142.0	135.1	133.5	132.6	134.1	140.0	152.6	154.7
724	152.2	152.2	152.8	152.8	147.4	147.9	147.0	141.4	141.1	140.9	135.1	133.5	132.6	134.1	140.0	152.6	154.8
725	152.2	152.2	152.8	152.8	147.4	147.9	147.0	141.4	140.0	140.9	135.1	132.4	132.6	134.1	140.0	152.6	154.8
726	152.2	152.2	152.8	152.8	147.4	147.9	147.0	141.4	140.0	140.9	135.1	132.4	132.6	134.1	140.0	152.6	154.8
727	152.2	152.2	152.8	152.8	146.3	147.9	147.0	140.4	140.0	140.9	135.1	132.4	132.6	134.1	140.0	152.6	154.0
728	152.2	152.2	152.8	152.8	146.3	146.8	147.0	140.4	140.0	140.9	135.1	132.4	132.6	134.1	140.0	152.6	154.4
729	151.2	151.2	152.8	152.8	146.3	146.8	147.0	140.4	140.0	140.9	135.1	132.4	132.6	133.0	140.0	151.5	154.2
730	151.2	151.2	151.7	152.8	146.3	146.8	147.0	140.4	140.0	140.9	135.1	132.4	132.6	133.0	140.0	151.5	153.6
731	151.2	151.2	151.7	151.7	146.3	146.8	147.0	140.4	140.0	140.9	135.1	132.4	132.6	133.0	138.9	151.5	154.0
732	151.2	151.2	151.7	151.7	146.3	146.8	145.9	140.4	140.0	139.8	134.1	132.4	131.5	133.0	138.9	151.5	153.8
733	151.2	151.2	151.7	151.7	146.3	146.8	145.9	140.4	138.9	139.8	134.1	132.4	131.5	133.0	138.9	151.5	153.7
734	151.2	151.2	151.7	151.7	146.3	146.8	145.9	140.4	138.9	139.8	134.1	131.4	131.5	133.0	138.9	151.5	153.7
735	151.2	151.2	151.7	151.7	146.3	145.8	145.9	140.4	138.9	139.8	134.1	131.4	131.5	133.0	138.9	151.5	153.6
736	151.2	151.2	151.7	151.7	145.2	145.8	145.9	140.4	138.9	139.8	134.1	131.4	131.5	133.0	138.9	151.5	153.4
737	151.2	150.1	150.6	151.7	145.2	145.8	145.9	139.3	138.9	139.8	134.1	131.4	131.5	133.0	138.9	150.4	153.2
738	150.1	150.1	150.6	150.6	145.2	145.8	145.9	139.3	138.9	139.8	134.1	131.4	131.5	133.0	138.9	150.4	153.0
739	150.1	150.1	150.6	150.6	145.2	145.8	145.9	139.3	138.9	139.8	134.1	131.4	131.5	133.0	138.9	150.4	153.1
740	150.1	150.1	150.6	150.6	145.2	145.8	144.9	139.3	138.9	139.8	134.1	131.4	131.5	131.9	138.9	150.4	152.9
741	150.1	150.1	150.6	150.6	145.2	145.8	144.9	139.3	138.9	138.7	134.1	131.4	131.5	131.9	138.9	150.4	152.6
742	150.1	150.1	150.6	150.6	145.2	145.8	144.9	139.3	138.9	138.7	134.1	131.4	130.5	131.9	137.8	150.4	152.8
743	150.1	150.1	150.6	150.6	145.2	145.8	144.9	139.3	138.9	138.7	134.1	131.4	130.5	131.9	137.8	150.4	152.6
744	150.1	149.0	150.6	150.6	144.1	144.7	144.9	139.3	137.8	138.7	133.0	130.3	130.5	131.9	137.8	150.4	153.0
745	149.0	149.0	149.5	150.6	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

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	135.7	136.6	130.8	128.1	128.3	129.7	135.7	147.3	149.4
769	146.8	145.8	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	146.3	149.8
770	145.8	145.8	147.4	147.4	140.9	142.5	141.6	136.0	135.7	136.6	130.8	128.1	128.3	129.7	134.6	146.3	149.4
771	145.8	145.8	146.3	147.4	140.9	141.4	141.6	136.0	135.7	136.6	130.8	128.1	128.3	128.7	134.6	146.3	149.2
772	145.8	145.8	146.3	146.3	140.9	141.4	141.6	136.0	134.6	136.6	130.8	128.1	128.3	128.7	134.6	146.3	149.0
773	145.8	145.8	146.3	146.3	140.9	141.4	141.6	136.0	134.6	135.5	130.8	128.1	128.3	128.7	134.6	146.3	149.1
774	145.8	145.8	146.3	146.3	140.9	141.4	141.6	136.0	134.6	135.5	130.8	128.1	127.2	128.7	134.6	146.3	148.9
775	145.8	145.8	146.3	146.3	140.9	141.4	141.6	135.0	134.6	135.5	130.8	128.1	127.2	128.7	134.6	146.3	148.7
776	145.8	145.8	146.3	146.3	140.9	141.4	140.5	135.0	134.6	135.5	130.8	128.1	127.2	128.7	134.6	146.3	148.9
777	145.8	145.8	146.3	146.3	140.9	141.4	140.5	135.0	134.6	135.5	129.7	127.0	127.2	128.7	134.6	146.3	148.5
778	145.8	144.7	146.3	146.3	140.9	141.4	140.5	135.0	134.6	135.5	129.7	127.0	127.2	128.7	134.6	145.2	148.5
779	144.7	144.7	145.2	146.3	140.9	141.4	140.5	135.0	134.6	135.5	129.7	127.0	127.2	128.7	134.6	145.2	148.2
780	144.7	144.7	145.2	145.2	139.8	140.4	140.5	135.0	134.6	135.5	129.7	127.0	127.2	128.7	133.5	145.2	147.9
781	144.7	144.7	145.2	145.2	139.8	140.4	140.5	135.0	134.6	135.5	129.7	127.0	127.2	128.7	133.5	145.2	148.2
782	144.7	144.7	145.2	145.2	139.8	140.4	140.5	135.0	133.5	134.4	129.7	127.0	127.2	127.6	133.5	145.2	147.7
783	144.7	144.7	145.2	145.2	139.8	140.4	140.5	135.0	133.5	134.4	129.7	127.0	127.2	127.6	133.5	145.2	147.6
784	144.7	144.7	145.2	145.2	139.8	140.4	139.5	133.9	133.5	134.4	129.7	127.0	127.2	127.6	133.5	145.2	147.8
785	144.7	144.7	145.2	145.2	139.8	140.4	139.5	133.9	133.5	134.4	129.7	127.0	127.2	127.6	133.5	144.1	147.8
786	144.7	144.7	145.2	145.2	139.8	140.4	139.5	133.9	133.5	134.4	129.7	127.0	126.1	127.6	133.5	144.1	147.6
787	144.7	143.6	145.2	145.2	139.8	140.4	139.5	133.9	133.5	134.4	129.7	127.0	126.1	127.6	133.5	144.1	147.8
788	144.7	143.6	144.1	144.1	139.8	139.3	139.5	133.9	133.5	134.4	128.7	126.0	126.1	127.6	133.5	144.1	146.7
789	143.6	143.6	144.1	144.1	138.7	139.3	139.5	133.9	133.5	134.4	128.7	126.0	126.1	127.6	133.5	144.1	147.0
790	143.6	143.6	144.1	144.1	138.7	139.3	139.5	133.9	133.5	134.4	128.7	126.0	126.1	127.6	132.4	144.1	146.9
791	143.6	143.6	144.1	144.1	138.7	139.3	139.5	133.9	133.5	134.4	128.7	126.0	126.1	127.6	132.4	144.1	147.1
792	143.6	143.6	144.1	144.1	138.7	139.3	139.5	133.9	132.4	133.3	128.7	126.0	126.1	127.6	132.4	144.1	147.0

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	82.8	82.8	82.2	82.8	86.8	95.7
2208	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	82.2	82.8	86.8	95.8
2213	86.2	85.8	86.7	85.8	84.7	85.1	85.1	84.2	83.7	84.7	84.4	81.7	82.8	82.2	82.8	85.7	95.7
2218	86.2	85.8	86.7	85.8	84.7	85.1	85.1	84.2	83.7	84.7	84.4	81.7	82.8	82.2	82.8	85.7	95.9
2223	86.2	85.8	86.7	85.8	84.7	85.1	85.1	84.2	83.7	84.7	84.4	81.7	82.8	82.2	82.8	85.7	95.9
2228	86.2	85.8	86.7	85.8	84.7	85.1	85.1	84.2	83.7	84.7	83.3	81.7	81.7	82.2	82.8	85.7	95.6
2233	86.2	85.8	86.7	85.8	84.7	85.1	85.1	84.2	83.7	84.7	83.3	81.7	81.7	82.2	82.8	85.7	95.6
2238	86.2	85.8	86.7	85.8	84.7	85.1	85.1	84.2	83.7	84.7	83.3	81.7	81.7	82.2	82.8	85.7	95.4
2243	86.2	85.8	86.7	85.8	84.7	85.1	85.1	84.2	83.7	84.7	83.3	81.7	81.7	82.2	82.8	85.7	95.5
2248	86.2	85.8	85.6	85.8	84.7	85.1	84.0	84.2	83.7	84.7	83.3	81.7	81.7	82.2	82.8	85.7	95.7
2253	85.1	84.7	85.6	85.8	84.7	85.1	84.0	84.2	83.7	84.7	83.3	81.7	81.7	82.2	82.8	85.7	95.3
2258	85.1	84.7	85.6	85.8	83.7	84.0	84.0	84.2	83.7	83.7	83.3	81.7	81.7	82.2	82.8	85.7	95.0
2263	85.1	84.7	85.6	85.8	83.7	84.0	84.0	84.2	83.7	83.7	83.3	81.7	81.7	82.2	82.8	85.7	95.0
2268	85.1	84.7	85.6	84.7	83.7	84.0	84.0	83.1	83.7	83.7	83.3	81.7	81.7	82.2	82.8	85.7	94.9
2273	85.1	84.7	85.6	84.7	83.7	84.0	84.0	83.1	83.7	83.7	83.3	81.7	81.7	82.2	82.8	85.7	95.0
2278	85.1	84.7	85.6	84.7	83.7	84.0	84.0	83.1	83.7	83.7	83.3	81.7	81.7	82.2	82.8	85.7	95.1
2283	85.1	84.7	85.6	84.7	83.7	84.0	84.0	83.1	83.7	83.7	83.3	81.7	81.7	82.2	82.8	85.7	94.9
2288	85.1	84.7	85.6	84.7	83.7	84.0	84.0	83.1	82.6	83.7	83.3	81.7	81.7	82.2	82.8	84.7	94.8
2293	85.1	84.7	85.6	84.7	83.7	84.0	84.0	83.1	82.6	83.7	83.3	81.7	81.7	81.1	81.7	84.7	95.2
2298	85.1	84.7	85.6	84.7	83.7	84.0	84.0	83.1	82.6	83.7	83.3	81.7	81.7	81.1	81.7	84.7	94.6
2303	85.1	84.7	85.6	84.7	83.7	84.0	84.0	83.1	82.6	83.7	83.3	81.7	81.7	81.1	81.7	84.7	94.7
2308	85.1	84.7	84.6	84.7	83.7	84.0	84.0	83.1	82.6	83.7	83.3	81.7	81.7	81.1	81.7	84.7	94.4
2313	85.1	84.7	84.6	84.7	83.7	84.0	84.0	83.1	82.6	83.7	83.3	81.7	81.7	81.1	81.7	84.7	94.5

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