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CALCULATED PRESSURE-BROADENED
LINEWIDTHS OF HNO_3

G. D. T. Tejwani and E. S. Yeung

AMES LABORATORY, USERDA
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Date Transmitted: October 1977

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ABSTRACT

Self-broadened and foreign-gas (N_2 and O_2) broadened linewidths of HNO_3 vapor at 300K for a wide range of quantum numbers J and K_a , for all three types of transitions, have been calculated using the Anderson-Tsao-Curnutte theory of line broadening. Due to the very large dipole moment of nitric acid vapor, contributions arising from higher order multipole moments of HNO_3 to the linewidth will be insignificant and have been neglected in present computations. Thus, in the case of HNO_3 - HNO_3 collisions, only dipole-dipole interaction has been included. For HNO_3 - N_2 and HNO_3 - O_2 collisions, dipole-quadrupole interaction was taken into account. Air-broadened linewidths of HNO_3 at 200K have also been calculated, so that the temperature dependence can be estimated.

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I. INTRODUCTION

HNO_3 has been detected in the stratosphere through the identification of several of its vibration-rotation bands in the solar spectrum and atmospheric emission spectra.¹⁻⁹ This indicates that HNO_3 may play an important role in the photochemistry of the upper atmosphere.¹⁰ HNO_3 is of interest also owing to its significant role in the photochemical reactions of polluted urban atmospheres.¹¹ Accurate data on the spectral characteristics of the various molecules found in the atmosphere are necessary for the purpose of detecting and monitoring these minor constituents by infrared techniques. The most useful parameters needed are the vibration-rotation line centre frequencies, line strengths and air-broadened linewidths. The line frequencies are essential for identification of the molecular species while the line strengths and linewidths are necessary in determining the abundance. In this work, we will be mainly concerned with linewidth values.

HNO_3 is an asymmetric top molecule with C_s symmetry and has very complex vibrational-rotational infrared spectra. There have been no direct measurement of linewidths in any of its bands. We have used Anderson-Tsao-Curnutte theory of line broadening^{12,13} in our computations for the self- and foreign-gas-broadened transitions in the HNO_3 bands. Calculations have been done for all three types of transitions¹⁴ in HNO_3 bands. N_2 - and O_2 -broadened linewidths were calculated for

all the transitions with $J \leq 35$ and $K_a \leq 20$ at 200 and 300K. Self-broadened linewidth computations were limited to $J \leq 8$. The energy level of the lower state for each transition, along with an approximate value for the line position and the relative line intensity have been calculated¹⁵ for ν_2 and ν_8 bands.¹⁶

II. COMPUTATIONAL PROCEDURE

The line-broadening theory of the asymmetric top molecules developed by Yamamoto and Aoki¹⁷ in the framework of Anderson-Tsao-Curnutte's theory^{12,13} has been used in our calculations. HNO_3 is a strongly dipolar molecule.¹⁸ Therefore, just as in the case of formaldehyde,^{19,20} the contribution to the linewidth due to higher order multipole interactions should be completely masked.²¹ We have considered dipole-dipole interaction in HNO_3 self-broadening computations. For N_2 - and O_2 -broadened linewidths of HNO_3 , dipole-quadrupole interaction has been taken into account. The details of computer programs are given in Ref. 19.

For HNO_3 linewidth calculation, the contribution to γ'' through $S_2(b)$ from dipole transition probability terms for $|\Delta K_a|$ and $|\Delta K_c| \leq 3$ need to be taken into account.¹⁵ For the perturbing molecule in self-broadening, rotational levels with $J \leq 48$ and $K_a \leq 30$ were taken into account. This range of quantum numbers covers 90.0% of the population in the Boltzmann distribution for the ground vibrational state at 300K. The pertinent data¹⁵ for these rotational levels (total number being 2059) were put on a disk.

Rotational and centrifugal distortion constants, in the ground state of HNO_3 have been taken from Kaushik and Venkateswarlu.²² Small differences in the rotational and centrifugal distortion constants between the ground and upper states of HNO_3 in the linewidth computations of vibration-rotation bands have been neglected. The ground state rotational and centrifugal distortion constants for nitrogen and oxygen were obtained from the pure rotational Raman spectra of these gases.²³ Kinetic theory collision diameters for N_2 and O_2 were taken from Svehla.²⁴ Kinetic theory collision diameter of HNO_3 is also required in the foreign-gas-broadening calculations. It was obtained by using the relations from Ref. 24 and the data on physical properties of nitric acid vapor from Ref. 25. The calculated value for the kinetic theory collision diameter of HNO_3 is $3.97\text{\AA}$. The quadrupole moments of N_2 and O_2 have been taken from the induced birefringence measurements of Buckingham et.al.²⁶

HNO_3 is a planar asymmetric rotor with c-axis perpendicular to the plane of the molecule. Permanent dipole moment lies in the plane. Therefore, both a-type and b-type selection rules are allowed in seven in-plane¹⁶ A' fundamental modes. Remaining two fundamentals, i.e. ν_8 and ν_9 have type C bands. We have performed linewidth calculations for all three types of transitions. These results should be applicable to any band having the particular band type selection rules (for the same values of initial and final states quantum numbers). Approximate line positions and relative line

intensity calculations have been performed for ν_2 (a-type and b-type transitions) and ν_8 (c-type transitions) fundamental bands. Both of these are strong bands. The band origins for these bands have been taken from Ref. 16.

III. RESULTS AND DISCUSSION

N_2 - and O_2 -broadened linewidths of HNO_3 at 300K for about 1500 transitions each of a- and c-type and for about 2500 transitions of b-type have been computed. These transitions are in the range of $0 \leq J \leq 35$ and $0 \leq K_a \leq 20$, with the restriction that ΔK_a and $\Delta K_c \leq 1$. Self-broadened linewidths at 300K have been calculated for transitions with $J \leq 8$. These results along with air-broadened values at 200K are given in Appendices A, B, and C for a-, b-, and c-type transitions, respectively. As can be seen, linewidths show strong dependence with respect to the quantum numbers.

Weighted mean linewidths of HNO_3 broadened by N_2 , O_2 , air, and HNO_3 at 300K and by N_2 , O_2 , and air at 200K for all three band type transitions are given in Table 1. Averaging has been performed over all the transitions in Appendices A, B, and C, for a-, b-, and c-type transitions, respectively. For the self-broadening, the averaging is limited to transitions with $J \leq 8$. Weighting has been done with respect to the relative intensity of the transition. Weighted average linewidths are rather independent of the type of transition. The temperature dependence of linewidths can be obtained by the use of Eqs. (8) and (9) of Ref. 27.

Table 1. Intensity weighted average linewidths
of HNO_3 . Units of linewidth are $\text{cm}^{-1} \text{ atm}^{-1}$.

Transitions	Broadener	Average linewidth	
		at 300K	at 200K
a-type	N_2	0.1238	0.1658
	O_2	0.0585	0.0798
	Air	0.1101	0.1478
	HNO_3	0.6763	
b-type	N_2	0.1236	0.1657
	O_2	0.0585	0.0797
	Air	0.1099	0.1477
	HNO_3	0.6756	
c-type	N_2	0.1236	0.1657
	O_2	0.0585	0.0797
	Air	0.1099	0.1476
	HNO_3	0.6776	

Rotational energy level of the lower state for each transition along with its approximate line position and relative intensity have also been tabulated in Appendices. Line position and relative line intensity data in Appendices A and B refer to ν_2 fundamental band and in Appendix C refers to ν_8 fundamental.

This wide range of pressure broadened data should be helpful in determining the altitude profile of HNO_3 in atmosphere.⁹ It is anticipated that the HNO_3 absorptions in the region from $866\text{--}870\text{ cm}^{-1}$ and the stronger feature at 885 cm^{-1} will be most suitable for ground level monitoring.⁹

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V. APPENDIX A

LISTING OF LINEWIDTHS FOR a-TYPE TRANSITIONS

Linewidths and other spectral parameters for transitions of a-type in HNO_3 bands are listed in this Appendix. First three columns in the tabulation refer to the lower state quantum numbers J , K_a , and K_c , respectively; while column numbers 4 to 6 give these quantum numbers for the upper state of the transition. Column number 7 shows the line position in cm^{-1} for the transition in the ν_2 fundamental of HNO_3 . Rotational energy level in cm^{-1} for the lower state is given in column 8 and the relative line intensity for the transition in the ν_2 band is shown in column 9. Next four columns, i.e., columns 10 through 13, list self-, N_2 -, O_2 -, and air-broadened linewidths of HNO_3 given in the units of $10^{-4} \text{ cm}^{-1} \text{ atm}^{-1}$. $\gamma^\circ \text{HNO}_3\text{-air}$ is at 200K, all other linewidth values reported here are at 300K. All the linewidth results in this Appendix should be applicable to any HNO_3 band having a-type transitions. Lower and upper states are interchangeable as far as linewidth values are concerned.

Listing of Linewidth Parameters for a-Type Transitions in HNO_3

Lower State			Upper State			Approximate Line Position in the ν_2 Band (cm^{-1})	Rotational Energy of the Lower State (cm^{-1})	Relative Line Intensity (ν_2 Band) at 300°K	γ° (in $10^{-4} \text{ cm}^{-1} \text{ atm}^{-1}$) of HNO_3 Lines Broadened by HNO_3 N_2 O_2 Air			
J	K_a	K_c	J	K_a	K_c				HNO_3	300°K	300°K	200°K
0	0	0	1	0	1	1708.8	0.0	1.00	6460	1288	572	1588
1	1	1	1	1	0	1708.4	0.64	1.50	6357	1287	572	1589
1	1	1	2	1	2	1709.2	0.64	1.50	6376	1288	572	1591
2	0	2	1	0	1	1707.1	1.67	1.59	6380	1290	573	1593
2	0	2	3	0	3	1709.7	1.67	2.53	6289	1293	573	1600
2	1	1	1	1	0	1706.8	2.26	1.48	6307	1292	573	1599
2	1	1	2	1	2	1707.6	2.26	0.82	6318	1293	573	1600
2	1	1	3	1	2	1710.1	2.26	1.98	6277	1297	574	1609
2	2	0	2	2	1	1708.0	2.52	2.64	6316	1291	573	1596
2	2	0	3	2	1	1710.4	2.52	1.91	6331	1300	574	1613
3	1	3	2	1	2	1706.7	3.13	2.50	6296	1292	573	1599
3	1	3	3	1	2	1709.2	3.13	0.79	6259	1297	574	1608
3	1	3	4	1	4	1710.1	3.13	3.49	6188	1297	574	1609
3	2	2	2	2	1	1706.4	4.19	1.63	6341	1294	573	1600
3	2	2	3	2	1	1708.7	4.19	1.51	6329	1302	575	1618
3	2	2	4	2	3	1710.5	4.19	2.69	6304	1302	575	1616
3	3	1	3	3	0	1708.3	4.91	3.99	6409	1297	574	1604
3	3	1	4	3	2	1710.8	4.91	1.80	6475	1300	575	1612
4	0	4	3	0	3	1706.3	5.01	3.45	6187	1297	574	1609
4	0	4	5	0	5	1710.5	5.01	4.44	6124	1304	576	1622
4	1	3	3	1	2	1705.9	6.48	2.68	6277	1303	576	1619
4	1	3	4	1	4	1706.7	6.48	0.80	6201	1303	576	1619
4	1	3	5	1	4	1710.9	6.48	3.62	6261	1309	577	1633
4	2	2	3	2	1	1705.4	7.49	2.46	6389	1310	577	1633
4	2	2	4	2	3	1707.2	7.49	1.37	6369	1310	577	1631
4	2	2	5	2	3	1711.4	7.49	2.99	6488	1316	579	1641
4	3	1	3	3	0	1705.2	8.02	2.15	6523	1310	576	1627
4	3	1	4	3	2	1707.7	8.02	2.22	6538	1314	578	1635
4	3	1	5	3	2	1711.8	8.02	3.06	6656	1324	580	1649
4	4	0	4	4	1	1708.1	8.42	5.53	6570	1299	575	1610
4	4	0	5	4	1	1711.9	8.42	2.31	6803	1315	578	1634
5	1	5	4	1	4	1705.9	7.31	4.38	6124	1304	576	1622
5	1	5	5	1	4	1710.1	7.31	0.82	6173	1311	577	1635

5	1	5	6	1	6	1710.9	7.31	5.35	6110	1312	577	1639
5	2	4	4	2	3	1705.5	9.19	3.56	6266	1309	577	1633
5	2	4	5	2	3	1709.7	9.19	1.43	6384	1316	578	1642
5	2	4	6	2	5	1711.3	9.19	4.51	6264	1318	579	1647
5	3	3	4	3	2	1705.1	10.66	2.85	6526	1312	578	1634
5	3	3	5	3	2	1709.2	10.66	1.86	6653	1323	581	1648
5	3	3	6	3	4	1711.8	10.66	3.78	6547	1322	580	1648
5	4	2	4	4	1	1704.8	11.73	1.89	6698	1304	577	1619
5	4	2	5	4	1	1708.6	11.73	3.03	6849	1320	580	1644
5	4	2	6	4	3	1712.1	11.73	3.12	6849	1318	581	1642
5	5	1	5	5	0	1708.3	12.60	7.20	6742	1301	576	1611
5	5	1	6	5	2	1712.4	12.60	2.01	6935	1310	578	1621
6	0	6	5	0	5	1705.5	10.03	5.27	6110	1312	577	1639
6	0	6	7	0	7	1711.3	10.03	6.24	6149	1322	580	1655
6	1	5	5	1	4	1705.1	12.33	4.42	6264	1318	579	1647
6	1	5	6	1	6	1705.9	12.33	0.81	6190	1320	579	1650
6	1	5	7	1	6	1711.8	12.33	5.37	6311	1327	581	1659
6	2	4	5	2	3	1704.6	14.21	3.71	6536	1322	580	1648
6	2	4	6	2	5	1706.3	14.21	1.45	6408	1324	581	1653
6	2	4	7	2	5	1712.2	14.21	4.61	6579	1329	582	1657
6	3	3	5	3	2	1704.2	15.65	3.25	6811	1328	582	1653
6	3	3	6	3	4	1706.8	15.65	1.90	6711	1327	582	1653
6	3	3	7	3	4	1712.6	15.65	3.98	6897	1329	583	1654
6	4	2	5	4	1	1703.8	16.58	3.49	7008	1331	584	1658
6	4	2	6	4	3	1707.3	16.58	2.29	7017	1330	584	1656
6	4	2	7	4	3	1713.1	16.58	3.74	7179	1336	587	1658
6	5	1	5	5	0	1703.7	17.12	2.25	7098	1318	581	1634
6	5	1	6	5	2	1707.9	17.12	3.98	7177	1326	583	1644
6	5	1	7	6	2	1713.4	17.12	3.97	7372	1338	588	1655
6	6	0	6	6	1	1708.2	17.78	8.87	6898	1302	576	1608
6	6	0	7	6	1	1713.4	17.78	2.24	7348	1319	582	1627
7	1	7	6	1	6	1705.1	13.16	6.12	6149	1322	580	1655
7	1	7	7	1	6	1710.9	13.16	0.81	6259	1329	582	1663
7	1	7	8	1	8	1711.7	13.16	7.09	6233	1332	582	1667
7	2	6	6	2	5	1704.6	15.88	5.26	6311	1328	581	1659
7	2	6	7	2	5	1710.5	15.88	1.48	6472	1332	583	1663
7	2	6	8	2	7	1712.2	15.88	6.20	6400	1335	583	1670
7	3	5	6	3	4	1704.2	18.18	4.50	6581	1329	582	1657
7	3	5	7	3	4	1710.1	18.18	1.98	6764	1331	584	1659
7	3	5	8	3	6	1712.6	18.18	5.41	6650	1335	585	1666
7	4	4	6	4	3	1703.8	20.06	3.86	6914	1327	583	1653
7	4	4	7	4	3	1709.6	20.06	2.32	7087	1333	586	1655
7	4	4	8	4	5	1713.0	20.06	4.73	6960	1334	586	1658
7	5	3	6	5	2	1703.5	21.52	3.21	7186	1325	583	1642
7	5	3	7	5	2	1709.0	21.52	2.76	7386	1338	588	1653
7	5	3	8	5	4	1713.4	21.52	4.15	7292	1333	587	1649
7	6	2	6	6	1	1703.3	22.66	1.99	7167	1311	580	1619
7	6	2	7	6	1	1708.5	22.66	5.11	7474	1327	585	1637
7	6	2	8	6	3	1713.7	22.66	3.45	7513	1327	585	1635
7	7	1	7	7	0	1708.2	23.74	10.44	7029	1301	577	1603
7	7	1	8	7	2	1713.9	23.74	2.06	7366	1310	581	1612
8	0	8	7	0	7	1704.7	16.71	6.94	6233	1332	582	1667
8	0	8	9	0	9	1712.2	16.71	7.90	6351	1339	584	1676
8	1	7	7	1	6	1704.2	19.85	6.05	6399	1335	583	1670

8	1	7	8	1	8	1705.1	19.85	0.79	6365	1338	584	1673
8	1	7	9	1	8	1712.6	19.85	6.99	6519	1342	586	1678
8	2	6	7	2	5	1703.8	22.57	5.27	6649	1335	585	1666
8	2	6	8	2	7	1705.5	22.57	1.45	6568	1338	585	1672
8	2	6	9	2	7	1713.0	22.57	6.18	6748	1342	587	1673
8	3	5	7	3	4	1703.4	24.86	4.60	6954	1334	586	1658
8	3	5	8	3	6	1705.9	24.86	1.99	6835	1338	586	1665
8	3	5	9	3	6	1713.4	24.86	5.46	7030	1341	588	1663
8	4	4	7	4	3	1702.9	26.73	4.06	7271	1336	588	1652
8	4	4	8	4	5	1706.3	26.73	2.38	7145	1337	587	1655
8	4	4	9	4	5	1713.9	26.73	4.85	7335	1338	589	1650
8	5	3	7	5	2	1702.4	28.11	4.08	7547	1342	591	1651
8	5	3	8	5	4	1706.8	28.11	2.61	7471	1338	589	1648
8	5	3	9	5	4	1714.3	28.11	4.43	7628	1339	591	1641
8	6	2	7	6	1	1702.2	28.94	4.03	7709	1339	590	1640
8	6	2	8	6	3	1707.5	28.94	3.26	7740	1339	591	1638
8	6	2	9	6	3	1714.8	28.94	4.72	7854	1341	594	1632
8	7	1	7	7	0	1702.4	29.60	2.08	7531	1316	583	1615
8	7	1	8	7	2	1708.0	29.60	6.37	7705	1325	587	1623
8	7	1	9	7	2	1715.0	29.60	4.20	7948	1334	592	1620
8	8	0	8	8	1	1708.2	30.62	11.87	7444	1299	577	1598
8	8	0	9	8	1	1714.7	30.62	2.08	7890	1310	583	1602
9	1	9	8	1	8	1704.2	20.68	7.71		1339	564	1676
9	1	9	9	1	8	1711.8	20.68	0.80		1343	586	1681
9	1	9	10	1	10	1712.6	20.68	8.66		1345	587	1683
9	2	8	8	2	7	1703.8	24.24	6.81		1342	586	1678
9	2	8	9	2	7	1711.3	24.24	1.47		1345	588	1678
9	2	8	10	2	9	1713.0	24.24	7.73		1348	588	1682
9	3	7	8	3	6	1703.4	27.37	6.00		1342	587	1673
9	3	7	9	3	6	1710.9	27.37	2.02		1345	589	1670
9	3	7	10	3	8	1713.4	27.37	6.90		1349	590	1676
9	4	6	8	4	5	1703.0	30.09	5.29		1341	588	1663
9	4	6	9	4	5	1710.5	30.09	2.45		1342	590	1657
9	4	6	10	4	7	1713.8	30.09	6.16		1347	591	1665
9	5	5	8	5	4	1702.6	32.38	4.69		1338	589	1650
9	5	5	9	5	4	1710.0	32.38	2.74		1339	590	1643
9	5	5	10	5	6	1714.3	32.38	5.51		1342	591	1650
9	6	4	8	6	3	1702.2	34.24	4.16		1334	589	1637
9	6	4	9	6	3	1709.5	34.24	2.90		1337	592	1629
9	6	4	10	6	5	1714.7	34.24	4.96		1337	591	1634
9	7	3	8	7	2	1701.9	35.72	3.41		1325	587	1621
9	7	3	9	7	2	1708.8	35.72	3.88		1334	593	1617
9	7	3	10	7	4	1715.1	35.72	4.45		1331	591	1619
9	8	2	8	8	1	1701.8	36.99	1.96		1307	581	1602
9	8	2	9	8	1	1708.3	36.99	7.73		1318	587	1606
9	8	2	10	8	3	1715.3	36.99	3.58		1320	588	1604
9	9	1	9	9	0	1708.2	38.34	13.13		1297	577	1592
9	9	1	10	9	2	1715.3	38.34	1.99		1303	582	1591
10	0	10	9	0	9	1703.8	25.06	8.43		1345	587	1683
10	0	10	11	0	11	1713.0	25.06	9.37		1351	589	1685
10	1	9	9	1	8	1703.4	29.04	7.51		1348	588	1682
10	1	9	10	1	10	1704.2	29.04	0.77		1350	589	1684
10	1	9	11	1	10	1713.4	29.04	8.42		1355	591	1682
10	2	8	9	2	7	1703.0	32.60	6.69		1349	590	1676

10	2	8	10	2	9	1704.6	32.60	1.42	1352	590	1679
10	2	8	11	2	9	1713.8	32.60	7.57	1355	593	1674
10	3	7	9	3	6	1702.6	35.73	5.95	1347	591	1665
10	3	7	10	3	8	1705.1	35.73	1.98	1351	592	1670
10	3	7	11	3	8	1714.3	35.73	6.81	1351	593	1662
10	4	6	9	4	5	1702.1	38.44	5.31	1342	591	1650
10	4	6	10	4	7	1705.5	38.44	2.43	1346	592	1657
10	4	6	11	4	7	1714.7	38.44	6.13	1344	593	1648
10	5	5	9	5	4	1701.7	40.73	4.78	1337	591	1634
10	5	5	10	5	6	1705.9	40.73	2.76	1340	592	1641
10	5	5	11	5	6	1715.1	40.73	5.55	1337	593	1630
10	6	4	9	6	3	1701.2	42.55	4.50	1335	594	1616
10	6	4	10	6	5	1706.4	42.55	2.96	1335	593	1621
10	6	4	11	6	5	1715.5	42.55	5.08	1331	594	1605
10	7	3	9	7	2	1700.7	43.81	4.92	1335	596	1604
10	7	3	10	7	4	1707.0	43.81	3.12	1332	594	1605
10	7	3	11	7	4	1716.1	43.81	5.00	1327	596	1587
10	8	2	9	8	1	1700.7	44.61	3.91	1324	592	1595
10	8	2	10	8	3	1707.7	44.61	4.60	1325	593	1593
10	8	2	11	8	3	1716.5	44.61	5.42	1324	597	1574
10	9	1	9	9	0	1701.0	45.54	1.92	1305	582	1589
10	9	1	10	9	2	1708.1	45.54	9.05	1311	587	1588
10	9	1	11	9	2	1716.4	45.54	3.89	1313	592	1571
10	10	0	10	10	1	1708.2	46.94	14.21	1294	577	1586
10	10	0	11	10	1	1716.1	46.94	1.94	1299	582	1579
11	1	11	10	1	10	1703.4	29.86	9.10	1351	589	1685
11	1	11	11	1	10	1712.6	29.86	0.77	1356	592	1683
11	1	11	12	1	12	1713.4	29.86	10.03	1358	592	1684
11	2	10	10	2	9	1703.0	34.26	8.17	1355	591	1682
11	2	10	11	2	9	1712.2	34.26	1.43	1358	593	1677
11	2	10	12	2	11	1713.8	34.26	9.07	1360	594	1679
11	3	9	10	3	8	1702.6	38.24	7.32	1355	593	1674
11	3	9	11	3	8	1711.8	38.24	1.99	1355	594	1666
11	3	9	12	3	10	1714.3	38.24	8.20	1358	595	1669
11	4	8	10	4	7	1702.1	41.79	6.57	1351	593	1662
11	4	8	11	4	7	1711.3	41.79	2.46	1349	594	1653
11	4	8	12	4	9	1714.7	41.79	7.42	1354	595	1657
11	5	7	10	5	6	1701.7	44.92	5.90	1345	593	1648
11	5	7	11	5	6	1710.9	44.92	2.82	1342	594	1638
11	5	7	12	5	8	1715.1	44.92	6.72	1347	595	1644
11	6	6	10	6	5	1701.3	47.63	5.32	1338	593	1631
11	6	6	11	6	5	1710.5	47.63	3.07	1334	594	1615
11	6	6	12	6	7	1715.5	47.63	6.10	1338	595	1624
11	7	5	10	7	4	1700.9	49.90	4.84	1330	593	1611
11	7	5	11	7	4	1710.0	49.90	3.17	1326	594	1593
11	7	5	12	7	6	1715.9	49.90	5.57	1328	594	1600
11	8	4	10	8	3	1700.5	51.76	4.34	1322	592	1593
11	8	4	11	8	3	1709.3	51.76	3.41	1321	596	1574
11	8	4	12	8	5	1716.4	51.76	5.13	1319	594	1579
11	9	3	10	9	2	1700.4	53.29	3.39	1312	588	1584
11	9	3	11	9	2	1708.6	53.29	5.48	1313	593	1567
11	9	3	12	9	4	1716.7	53.29	4.59	1309	592	1569
11	10	2	10	10	1	1700.4	54.76	1.84	1298	581	1580
11	10	2	11	10	1	1708.3	54.76	10.26	1303	586	1573

11	10	2	12	10	3	1716.8	54.76	3.49	1302	588	1564
11	11	1	11	11	0	1708.2	56.40	15.12	1291	577	1580
11	11	1	12	11	2	1716.7	56.40	1.86	1293	581	1570
12	0	12	11	0	11	1703.0	35.08	9.72	1358	592	1684
12	0	12	13	0	13	1713.8	35.08	10.63	1362	595	1680
12	1	11	11	1	10	1702.6	39.90	8.77	1360	594	1679
12	1	11	12	1	12	1703.4	39.90	0.73	1361	594	1680
12	1	11	13	1	12	1714.3	39.90	9.65	1362	596	1672
12	2	10	11	2	9	1702.1	44.29	7.91	1358	595	1669
12	2	10	12	2	11	1703.8	44.29	1.37	1360	595	1671
12	2	10	13	2	11	1714.7	44.29	8.77	1360	597	1662
12	3	9	11	3	8	1701.7	48.27	7.13	1354	595	1657
12	3	9	12	3	10	1704.2	48.27	1.92	1357	596	1660
12	3	9	13	3	10	1715.1	48.27	7.97	1355	597	1650
12	4	8	11	4	7	1701.3	51.82	6.45	1347	595	1644
12	4	8	12	4	9	1704.6	51.82	2.38	1351	596	1647
12	4	8	13	4	9	1715.5	51.82	7.25	1347	597	1636
12	5	7	11	5	6	1700.9	54.95	5.84	1338	595	1624
12	5	7	12	5	8	1705.1	54.95	2.76	1343	596	1630
12	5	7	13	5	8	1715.9	54.95	6.61	1337	596	1612
12	6	6	11	6	5	1700.5	57.64	5.33	1328	594	1596
12	6	6	12	6	7	1705.5	57.64	3.05	1332	595	1605
12	6	6	13	6	7	1716.4	57.64	6.05	1326	595	1588
12	7	5	11	7	4	1700.0	59.90	4.94	1319	595	1575
12	7	5	12	7	6	1705.9	59.90	3.22	1321	595	1582
12	7	5	13	7	6	1716.8	59.90	5.59	1313	595	1567
12	8	4	11	8	3	1699.4	61.63	5.07	1314	597	1556
12	8	4	12	8	5	1706.5	61.63	3.26	1312	595	1561
12	8	4	13	8	5	1717.3	61.63	5.30	1304	595	1545
12	9	3	11	9	2	1699.2	62.75	5.21	1307	597	1542
12	9	3	12	9	4	1707.2	62.75	3.70	1303	596	1543
12	9	3	13	9	4	1717.8	62.75	5.68	1294	597	1520
12	10	2	11	10	1	1699.4	63.65	3.49	1302	590	1554
12	10	2	12	10	3	1707.9	63.65	6.44	1301	592	1545
12	10	2	13	10	3	1718.0	63.65	5.38	1292	595	1513
12	11	1	11	11	0	1699.6	64.96	1.77	1292	581	1569
12	11	1	12	11	2	1708.2	64.96	11.30	1294	585	1559
12	11	1	13	11	2	1717.7	64.96	3.48	1288	588	1535
12	12	0	12	12	1	1708.2	66.73	15.85	1289	577	1577
12	12	0	13	12	1	1717.5	66.73	1.78	1288	580	1562
13	1	13	12	1	12	1702.6	40.71	10.28	1362	595	1680
13	1	13	13	1	12	1713.4	40.71	0.74	1363	596	1672
13	1	13	14	1	14	1714.3	40.71	11.17	1364	597	1672
13	2	12	12	2	11	1702.1	45.95	9.31	1362	596	1672
13	2	12	13	2	11	1713.0	45.95	1.38	1361	597	1663
13	2	12	14	2	13	1714.7	45.95	10.18	1363	598	1663
13	3	11	12	3	10	1701.7	50.77	8.44	1360	597	1662
13	3	11	13	3	10	1712.6	50.77	1.93	1357	598	1652
13	3	11	14	3	12	1715.1	50.77	9.28	1360	598	1653
13	4	10	12	4	9	1701.3	55.16	7.65	1355	597	1650
13	4	10	13	4	9	1712.2	55.16	2.39	1351	598	1639
13	4	10	14	4	11	1715.5	55.16	8.47	1354	599	1641
13	5	9	12	5	8	1700.9	59.13	6.94	1347	597	1636
13	5	9	13	5	8	1711.7	59.13	2.78	1342	598	1618

13	5	9	14	5	10	1715.9	59.13	7.73	1345	599	1621
13	6	8	12	6	7	1700.5	62.68	6.31	1337	596	1612
13	6	8	13	6	7	1711.3	62.68	3.08	1330	597	1595
13	6	8	14	6	9	1716.3	62.68	7.07	1335	598	1599
13	7	7	12	7	6	1700.0	65.80	5.77	1326	595	1588
13	7	7	13	7	6	1710.9	65.80	3.29	1318	596	1573
13	7	7	14	7	8	1716.8	65.80	6.49	1322	597	1579
13	8	6	12	8	5	1699.6	68.49	5.30	1314	595	1568
13	8	6	13	8	5	1710.4	68.49	3.39	1305	595	1552
13	8	6	14	8	7	1717.2	68.49	5.99	1311	595	1559
13	9	5	12	9	4	1699.2	70.74	4.91	1303	594	1552
13	9	5	13	9	4	1709.8	70.74	3.37	1294	595	1529
13	9	5	14	9	6	1717.6	70.74	5.57	1299	594	1539
13	10	4	12	10	3	1698.9	72.60	4.33	1298	591	1544
13	10	4	13	10	3	1709.0	72.60	4.12	1289	594	1512
13	10	4	14	10	5	1718.0	72.60	5.18	1291	593	1524
13	11	3	12	11	2	1698.9	74.25	3.21	1292	587	1547
13	11	3	13	11	2	1708.4	74.25	7.46	1285	590	1523
13	11	3	14	11	4	1718.2	74.25	4.51	1283	590	1520
13	12	2	12	12	1	1699.0	75.97	1.68	1288	580	1563
13	12	2	13	12	1	1708.2	75.97	12.16	1287	583	1548
13	12	2	14	12	3	1718.2	75.97	3.26	1282	585	1533
13	13	1	13	13	0	1708.2	77.93	16.41	1285	576	1572
13	13	1	14	13	2	1718.1	77.93	1.69	1282	579	1557
14	0	14	13	0	13	1702.1	46.76	10.78	1364	597	1672
14	0	14	15	0	15	1714.7	46.76	11.66	1364	599	1662
14	1	13	13	1	12	1701.7	52.42	9.79	1363	598	1663
14	1	13	14	1	14	1702.5	52.42	0.69	1364	598	1663
14	1	13	15	1	14	1715.1	52.42	10.65	1363	600	1652
14	2	12	13	2	11	1701.3	57.66	8.91	1360	598	1653
14	2	12	14	2	13	1703.0	57.66	1.30	1361	599	1653
14	2	12	15	2	13	1715.5	57.66	9.74	1358	601	1641
14	3	11	13	3	10	1700.9	62.47	8.11	1354	599	1641
14	3	11	14	3	12	1703.4	62.47	1.83	1356	600	1641
14	3	11	15	3	12	1715.9	62.47	8.91	1350	601	1625
14	4	10	13	4	9	1700.5	66.86	7.38	1345	599	1621
14	4	10	14	4	11	1703.8	66.86	2.28	1348	600	1625
14	4	10	15	4	11	1716.3	66.86	8.16	1341	600	1603
14	5	9	13	5	8	1700.0	70.83	6.74	1335	598	1599
14	5	9	14	5	10	1704.2	70.83	2.67	1338	599	1602
14	5	9	15	5	10	1716.8	70.83	7.49	1330	599	1586
14	6	8	13	6	7	1699.6	74.37	6.17	1322	597	1579
14	6	8	14	6	9	1704.7	74.37	2.98	1327	598	1584
14	6	8	15	6	9	1717.2	74.37	6.88	1319	598	1570
14	7	7	13	7	6	1699.2	77.48	5.68	1311	595	1559
14	7	7	14	7	8	1705.1	77.48	3.22	1316	596	1565
14	7	7	15	7	8	1717.6	77.48	6.36	1310	596	1551
14	8	6	13	8	5	1698.8	80.16	5.28	1298	594	1537
14	8	6	14	8	7	1705.5	80.16	3.37	1304	595	1545
14	8	6	15	8	7	1718.0	80.16	5.91	1296	594	1530
14	9	5	13	9	4	1698.2	82.35	5.10	1285	595	1511
14	9	5	14	9	6	1706.0	82.35	3.41	1290	594	1522
14	9	5	15	9	6	1718.5	82.35	5.56	1281	593	1507
14	10	4	13	10	3	1697.7	83.93	5.59	1276	595	1480

14	10	4	14	10	5	1706.7	83.93	3.41	1278	594	1492
14	10	4	15	10	5	1719.1	83.93	5.56	1267	593	1473
14	11	3	13	11	2	1697.7	84.97	4.81	1273	592	1487
14	11	3	14	11	4	1707.5	84.97	4.60	1271	592	1484
14	11	3	15	11	4	1719.5	84.97	6.06	1257	593	1450
14	12	2	13	12	1	1698.0	86.15	3.10	1279	586	1523
14	12	2	14	12	3	1708.1	86.15	8.41	1274	588	1507
14	12	2	15	12	3	1719.4	86.15	4.80	1259	589	1469
14	13	1	13	13	0	1698.3	87.88	1.59	1282	579	1555
14	13	1	14	13	2	1708.2	87.88	12.84	1279	582	1540
14	13	1	15	13	2	1719.0	87.88	3.13	1271	584	1514
14	14	0	14	14	1	1708.2	90.00	16.79	1283	576	1569
14	14	0	15	14	1	1718.8	90.00	1.60	1278	578	1551
15	1	15	14	1	14	1701.7	53.23	11.22	1364	599	1662
15	1	15	15	1	14	1714.3	53.23	0.70	1363	600	1651
15	1	15	16	1	16	1715.1	53.23	12.08	1363	600	1650
15	2	14	14	2	13	1701.3	59.31	10.22	1363	600	1652
15	2	14	15	2	13	1713.9	59.31	1.31	1359	601	1640
15	2	14	16	2	15	1715.5	59.31	11.06	1360	602	1638
15	3	13	14	3	12	1700.9	64.96	9.32	1358	601	1641
15	3	13	15	3	12	1713.4	64.96	1.83	1352	601	1624
15	3	13	16	3	14	1715.9	64.96	10.13	1354	602	1622
15	4	12	14	4	11	1700.5	70.20	8.51	1350	601	1625
15	4	12	15	4	11	1713.0	70.20	2.28	1343	601	1603
15	4	12	16	4	13	1716.3	70.20	9.29	1345	602	1603
15	5	11	14	5	10	1700.1	75.01	7.77	1341	600	1603
15	5	11	15	5	10	1712.6	75.01	2.67	1332	600	1587
15	5	11	16	5	12	1716.8	75.01	8.53	1335	601	1587
15	6	10	14	6	9	1699.6	79.40	7.11	1330	599	1586
15	6	10	15	6	9	1712.2	79.40	2.98	1322	599	1572
15	6	10	16	6	11	1717.2	79.40	7.85	1325	600	1573
15	7	9	14	7	8	1699.2	83.36	6.53	1319	598	1570
15	7	9	15	7	8	1711.7	83.36	3.24	1313	597	1556
15	7	9	16	7	10	1717.6	83.36	7.23	1316	598	1558
15	8	8	14	8	7	1698.8	86.89	6.01	1310	596	1551
15	8	8	15	8	7	1711.3	86.89	3.41	1302	595	1537
15	8	8	16	8	9	1718.0	86.89	6.68	1306	596	1541
15	9	7	14	9	6	1698.4	90.00	5.57	1296	594	1531
15	9	7	15	9	6	1710.9	90.00	3.50	1287	593	1516
15	9	7	16	9	8	1718.4	90.00	6.20	1292	595	1523
15	10	6	14	10	5	1697.9	92.66	5.21	1284	593	1511
15	10	6	15	10	5	1710.3	92.66	3.46	1273	592	1491
15	10	6	16	10	7	1718.9	92.66	5.80	1278	593	1504
15	11	5	14	11	4	1697.6	94.89	4.83	1272	591	1498
15	11	5	15	11	4	1709.6	94.89	3.53	1258	592	1463
15	11	5	16	11	6	1719.3	94.89	5.47	1264	591	1486
15	12	4	14	12	3	1697.4	96.79	4.11	1270	588	1502
15	12	4	15	12	3	1708.8	96.79	5.22	1254	590	1465
15	12	4	16	12	5	1719.6	96.79	5.06	1255	588	1478
15	13	3	14	13	2	1697.4	98.62	2.92	1273	584	1523
15	13	3	15	13	2	1708.3	98.62	9.26	1265	586	1497
15	13	3	16	13	4	1719.7	98.62	4.22	1257	586	1487
15	14	2	14	14	1	1697.6	100.64	1.50	1278	578	1551
15	14	2	15	14	1	1708.2	100.64	13.33	1272	581	1533

15	14	2	16	14	3	1719.7	100.64	2.95	1264	582	1514
15	15	1	15	15	0	1708.2	102.94	17.01	1282	575	1566
15	15	1	16	15	2	1719.5	102.94	1.51	1275	578	1547
16	0	16	15	0	15	1701.3	60.11	11.59	1363	600	1650
16	0	16	17	0	17	1715.5	60.11	12.44	1360	602	1636
16	1	15	15	1	14	1700.9	66.61	10.59	1360	602	1638
16	1	15	16	1	16	1701.7	66.61	0.65	1360	602	1637
16	1	15	17	1	16	1715.9	66.61	11.41	1354	603	1619
16	2	14	15	2	13	1700.5	72.69	9.68	1354	602	1622
16	2	14	16	2	15	1702.1	72.69	1.22	1354	603	1621
16	2	14	17	2	15	1716.3	72.69	10.47	1347	603	1598
16	3	13	15	3	12	1700.1	78.34	8.85	1345	602	1603
16	3	13	16	3	14	1702.5	78.34	1.72	1346	603	1601
16	3	13	17	3	14	1716.8	78.34	9.62	1338	603	1582
16	4	12	15	4	11	1699.6	83.57	8.11	1335	601	1587
16	4	12	16	4	13	1703.0	83.57	2.15	1337	602	1585
16	4	12	17	4	13	1717.2	83.57	8.85	1330	602	1570
16	5	11	15	5	10	1699.2	88.38	7.44	1325	600	1573
16	5	11	16	5	12	1703.4	88.38	2.52	1328	601	1572
16	5	11	17	5	12	1717.6	88.38	8.15	1322	600	1557
16	6	10	15	6	9	1698.8	92.76	6.83	1316	598	1557
16	6	10	16	6	11	1703.8	92.76	2.84	1319	599	1558
16	6	10	17	6	11	1718.0	92.76	7.52	1311	599	1543
16	7	9	15	7	8	1698.4	96.72	6.30	1305	596	1541
16	7	9	16	7	10	1704.2	96.72	3.09	1308	598	1543
16	7	9	17	7	10	1718.4	96.72	6.96	1298	597	1528
16	8	8	15	8	7	1698.0	100.25	5.84	1292	594	1522
16	8	8	16	8	9	1704.7	100.25	3.29	1295	596	1527
16	8	8	17	8	9	1718.9	100.25	6.46	1285	595	1513
16	9	7	15	9	6	1697.5	103.34	5.45	1277	592	1502
16	9	7	16	9	8	1705.1	103.34	3.42	1281	593	1509
16	9	7	17	9	8	1719.3	103.34	6.04	1270	592	1496
16	10	6	15	10	5	1697.0	105.97	5.17	1262	591	1477
16	10	6	16	10	7	1705.6	105.97	3.46	1266	591	1489
16	10	6	17	10	7	1719.7	105.97	5.69	1255	590	1475
16	11	5	15	11	4	1696.4	108.05	5.34	1245	591	1440
16	11	5	16	11	6	1706.1	108.05	3.38	1250	590	1461
16	11	5	17	11	6	1720.3	108.05	5.49	1241	588	1444
16	12	4	15	12	3	1696.1	109.44	5.58	1236	589	1426
16	12	4	16	12	5	1707.0	109.44	3.64	1236	588	1436
16	12	4	17	12	5	1720.9	109.44	5.89	1221	587	1405
16	13	3	15	13	2	1696.3	110.58	4.15	1249	586	1459
16	13	3	16	13	4	1707.8	110.58	5.87	1242	587	1446
16	13	3	17	13	4	1721.0	110.58	5.76	1220	586	1403
16	14	2	15	14	1	1696.7	112.16	2.76	1261	582	1509
16	14	2	16	14	3	1708.1	112.16	9.93	1254	583	1488
16	14	2	17	14	3	1720.7	112.16	4.14	1235	584	1452
16	15	1	15	15	0	1696.9	114.28	1.41	1275	578	1547
16	15	1	16	15	2	1708.2	114.28	13.66	1268	580	1528
16	15	1	17	15	2	1720.4	114.28	2.78	1256	580	1503
16	16	0	16	16	1	1708.2	116.74	17.06	1279	575	1565
16	16	0	17	16	1	1720.2	116.74	1.41	1271	576	1544
17	1	17	16	1	16	1700.9	67.41	11.91	1360	602	1636
17	1	17	17	1	16	1715.1	67.41	0.65	1354	604	1618

17	1	17	18	1	18	1715.9	67.41	12.75	1354	604	1616
17	2	16	16	2	15	1700.5	74.33	10.90	1354	603	1619
17	2	16	17	2	15	1714.7	74.33	1.23	1347	604	1596
17	2	16	18	2	17	1716.3	74.33	11.70	1347	604	1594
17	3	15	16	3	14	1700.1	80.83	9.98	1347	603	1598
17	3	15	17	3	14	1714.3	80.83	1.72	1339	604	1580
17	3	15	18	3	16	1716.8	80.83	10.75	1339	604	1577
17	4	14	16	4	13	1699.6	86.90	9.14	1338	603	1582
17	4	14	17	4	13	1713.9	86.90	2.15	1331	603	1567
17	4	14	18	4	15	1717.2	86.90	9.89	1332	604	1564
17	5	13	16	5	12	1699.2	92.55	8.39	1330	602	1570
17	5	13	17	5	12	1713.4	92.55	2.52	1324	602	1555
17	5	13	18	5	14	1717.6	92.55	9.11	1325	603	1552
17	6	12	16	6	11	1698.8	97.78	7.71	1322	600	1557
17	6	12	17	6	11	1713.0	97.78	2.83	1314	600	1542
17	6	12	18	6	13	1718.0	97.78	8.41	1316	601	1540
17	7	11	16	7	10	1698.4	102.58	7.10	1311	599	1543
17	7	11	17	7	10	1712.6	102.58	3.08	1300	598	1529
17	7	11	18	7	12	1718.4	102.58	7.77	1303	599	1527
17	8	10	16	8	9	1698.0	106.96	6.55	1298	597	1528
17	8	10	17	8	9	1712.1	106.96	3.28	1287	596	1515
17	8	10	18	8	11	1718.9	106.96	7.19	1289	597	1515
17	9	9	16	9	8	1697.5	110.91	6.07	1285	595	1514
17	9	9	17	9	8	1711.7	110.91	3.43	1274	594	1501
17	9	9	18	9	10	1719.3	110.91	6.68	1276	595	1503
17	10	8	16	10	7	1697.1	114.43	5.65	1271	593	1497
17	10	8	17	10	7	1711.3	114.43	3.50	1260	591	1483
17	10	8	18	10	9	1719.7	114.43	6.23	1263	592	1489
17	11	7	16	11	6	1696.7	117.50	5.30	1256	590	1478
17	11	7	17	11	6	1710.8	117.50	3.48	1247	588	1460
17	11	7	18	11	8	1720.1	117.50	5.85	1252	589	1470
17	12	6	16	12	5	1696.3	120.13	5.01	1245	587	1459
17	12	6	17	12	5	1710.2	120.13	3.36	1230	586	1428
17	12	6	18	12	7	1720.6	120.13	5.54	1242	587	1450
17	13	5	16	13	4	1696.0	122.36	4.58	1243	586	1453
17	13	5	17	13	4	1709.3	122.36	3.88	1222	585	1410
17	13	5	18	13	6	1721.0	122.36	5.26	1232	585	1435
17	14	4	16	14	3	1695.9	124.36	3.74	1246	583	1471
17	14	4	17	14	3	1708.5	124.36	6.56	1227	584	1434
17	14	4	18	14	5	1721.2	124.36	4.75	1228	583	1436
17	15	3	16	15	2	1696.0	126.44	2.58	1258	580	1507
17	15	3	17	15	2	1708.2	126.44	10.44	1246	581	1479
17	15	3	18	15	4	1721.2	126.44	3.80	1237	581	1461
17	16	2	16	16	1	1696.2	128.78	1.32	1271	576	1544
17	16	2	17	16	1	1708.2	128.78	13.84	1263	578	1523
17	16	2	18	16	3	1721.1	128.78	2.60	1251	579	1503
17	17	1	17	17	0	1708.2	131.41	16.97	1278	574	1563
17	17	1	18	17	2	1720.9	131.41	1.32	1267	576	1542
18	0	18	17	0	17	1700.5	75.13	12.17	1354	604	1616
18	0	18	19	0	19	1716.3	75.13	12.99	1346	605	1590
18	1	17	17	1	16	1700.1	82.47	11.15	1347	604	1594
18	1	17	18	1	18	1700.9	82.47	0.60	1347	604	1592
18	1	17	19	1	18	1716.8	82.47	11.93	1338	605	1570
18	2	16	17	2	15	1699.6	89.38	10.22	1339	604	1577

18	2	16	18	2	17	1701.3	89.38	1.14	1338	605	1574
18	2	16	19	2	17	1717.2	89.38	10.97	1331	605	1556
18	3	15	17	3	14	1699.2	95.88	9.38	1332	604	1564
18	3	15	18	3	16	1701.7	95.88	1.60	1331	604	1560
18	3	15	19	3	16	1717.6	95.88	10.11	1325	604	1544
18	4	14	17	4	13	1698.8	101.95	8.62	1325	603	1552
18	4	14	18	4	15	1702.1	101.95	2.00	1326	603	1548
18	4	14	19	4	15	1718.0	101.95	9.32	1317	603	1532
18	5	13	17	5	12	1698.4	107.59	7.93	1316	601	1540
18	5	13	18	5	14	1702.6	107.59	2.35	1317	602	1537
18	5	13	19	5	14	1718.4	107.59	8.61	1305	602	1521
18	6	12	17	6	11	1698.0	112.82	7.31	1303	599	1527
18	6	12	18	6	13	1703.0	112.82	2.65	1305	600	1525
18	6	12	19	6	13	1718.9	112.82	7.96	1293	599	1511
18	7	11	17	7	10	1697.5	117.62	6.75	1289	597	1515
18	7	11	18	7	12	1703.4	117.62	2.90	1292	598	1514
18	7	11	19	7	12	1719.3	117.62	7.38	1281	597	1501
18	8	10	17	8	9	1697.1	121.99	6.25	1276	595	1503
18	8	10	18	8	11	1703.8	121.99	3.11	1278	596	1503
18	8	10	19	8	11	1719.7	121.99	6.86	1267	594	1491
18	9	9	17	9	8	1696.7	125.93	5.82	1263	592	1489
18	9	9	18	9	10	1704.3	125.93	3.27	1265	593	1492
18	9	9	19	9	10	1720.1	125.93	6.39	1257	591	1478
18	10	8	17	10	7	1696.3	129.43	5.45	1251	589	1469
18	10	8	18	10	9	1704.7	129.43	3.37	1255	590	1475
18	10	8	19	10	9	1720.5	129.43	5.99	1249	589	1462
18	11	7	17	11	6	1695.8	132.49	5.16	1241	586	1446
18	11	7	18	11	8	1705.1	132.49	3.41	1245	587	1456
18	11	7	19	11	8	1721.0	132.49	5.65	1237	586	1443
18	12	6	17	12	5	1695.2	135.04	5.05	1219	584	1409
18	12	6	18	12	7	1705.7	135.04	3.35	1229	585	1432
18	12	6	19	12	7	1721.5	135.04	5.41	1217	582	1420
18	13	5	17	13	4	1694.7	136.94	5.51	1202	583	1377
18	13	5	18	13	6	1706.4	136.94	3.26	1211	583	1402
18	13	5	19	13	6	1722.1	136.94	5.44	1196	580	1382
18	14	4	17	14	3	1694.6	138.22	4.97	1201	582	1391
18	14	4	18	14	5	1707.3	138.22	4.14	1201	581	1393
18	14	4	19	14	5	1722.5	138.22	5.94	1177	579	1356
18	15	3	17	15	2	1695.0	139.64	3.57	1227	580	1444
18	15	3	18	15	4	1708.0	139.64	7.19	1217	580	1426
18	15	3	19	15	4	1722.4	139.64	4.96	1188	578	1382
18	16	2	17	16	1	1695.3	141.66	2.41	1251	578	1500
18	16	2	18	16	3	1708.2	141.66	10.77	1239	578	1477
18	16	2	19	16	3	1722.0	141.66	3.59	1220	577	1443
18	17	1	17	17	0	1695.5	144.15	1.22	1267	576	1542
18	17	1	18	17	2	1708.2	144.15	13.87	1257	577	1521
18	17	1	19	17	2	1721.8	144.15	2.43	1244	577	1497
18	18	0	18	18	1	1708.2	146.95	16.74	1276	574	1563
18	18	0	19	18	1	1721.6	146.95	1.23	1265	575	1542
19	1	19	18	1	18	1700.1	83.26	12.37	1346	605	1590
19	1	19	19	1	18	1716.0	83.26	0.61	1337	605	1568
19	1	19	20	1	20	1716.7	83.26	13.17	1337	606	1566
19	2	18	18	2	17	1699.6	91.02	11.34	1338	605	1570
19	2	18	19	2	17	1715.5	91.02	1.14	1330	605	1553

19	2	18	20	2	19	1717.2	91.02	12.10	1330	606	1549
19	3	17	18	3	16	1699.2	98.35	10.40	1331	605	1556
19	3	17	19	3	16	1715.1	98.35	1.60	1325	605	1540
19	3	17	20	3	18	1717.6	98.35	11.14	1324	605	1535
19	4	16	18	4	15	1698.8	105.27	9.56	1325	604	1544
19	4	16	19	4	15	1714.7	105.27	2.00	1317	604	1528
19	4	16	20	4	17	1718.0	105.27	10.27	1316	604	1523
19	5	15	18	5	14	1698.4	111.76	8.79	1317	603	1532
19	5	15	19	5	14	1714.3	111.76	2.34	1305	602	1517
19	5	15	20	5	16	1718.4	111.76	9.47	1305	603	1511
19	6	14	18	6	13	1698.0	117.83	8.10	1305	602	1521
19	6	14	19	6	13	1713.8	117.83	2.64	1294	600	1507
19	6	14	20	6	15	1718.8	117.83	8.75	1293	601	1502
19	7	13	18	7	12	1697.5	123.47	7.47	1293	599	1511
19	7	13	19	7	12	1713.4	123.47	2.88	1282	598	1498
19	7	13	20	7	14	1719.3	123.47	8.10	1282	599	1494
19	8	12	18	8	11	1697.1	128.69	6.91	1281	597	1501
19	8	12	19	8	11	1713.0	128.69	3.08	1270	595	1490
19	8	12	20	8	13	1719.7	128.69	7.51	1271	597	1486
19	9	11	18	9	10	1696.7	133.48	6.40	1267	594	1492
19	9	11	19	9	10	1712.6	133.48	3.24	1259	592	1481
19	9	11	20	9	12	1720.1	133.48	6.99	1261	593	1479
19	10	10	18	10	9	1696.3	137.85	5.95	1257	591	1478
19	10	10	19	10	9	1712.1	137.85	3.35	1251	590	1465
19	10	10	20	10	11	1720.5	137.85	6.51	1254	591	1466
19	11	9	18	11	8	1695.9	141.78	5.56	1249	589	1462
19	11	9	19	11	8	1711.7	141.78	3.41	1241	587	1450
19	11	9	20	11	10	1721.0	141.78	6.10	1244	588	1453
19	12	8	18	12	7	1695.4	145.27	5.24	1238	586	1445
19	12	8	19	12	7	1711.2	145.27	3.40	1224	584	1433
19	12	8	20	12	9	1721.4	145.27	5.74	1230	585	1440
19	13	7	18	13	6	1695.0	148.31	4.97	1222	584	1429
19	13	7	19	13	6	1710.7	148.31	3.28	1206	581	1409
19	13	7	20	13	8	1721.8	148.31	5.44	1216	582	1426
19	14	6	18	14	5	1694.6	150.91	4.70	1213	581	1416
19	14	6	19	14	5	1709.9	150.91	3.25	1189	578	1380
19	14	6	20	14	7	1722.2	150.91	5.20	1205	579	1409
19	15	5	18	15	4	1694.5	153.16	4.18	1214	579	1425
19	15	5	19	15	4	1708.9	153.16	4.52	1185	577	1380
19	15	5	20	15	6	1722.6	153.16	4.90	1197	577	1402
19	16	4	18	16	3	1694.5	155.34	3.29	1226	578	1456
19	16	4	19	16	3	1708.3	155.34	7.72	1208	577	1423
19	16	4	20	16	5	1722.7	155.34	4.28	1201	576	1417
19	17	3	18	17	2	1694.6	157.71	2.24	1244	577	1498
19	17	3	19	17	2	1708.2	157.71	10.95	1231	576	1473
19	17	3	20	17	4	1722.6	157.71	3.33	1217	575	1451
19	18	2	18	18	1	1694.8	160.39	1.13	1265	575	1542
19	18	2	19	18	1	1708.2	160.39	13.76	1254	575	1520
19	18	2	20	18	3	1722.5	160.39	2.25	1241	575	1496
19	19	1	19	19	0	1708.2	163.36	16.39	1274	573	1563
19	19	1	20	19	2	1722.3	163.36	1.14	1262	574	1542
20	0	20	19	0	19	1699.7	91.80	12.51	1337	606	1566
20	0	20	21	0	21	1717.2	91.80	13.29	1328	606	1546
20	1	19	19	1	18	1699.2	99.98	11.47	1330	606	1549

20	1	19	20	1	20	1700.0	99.98	0.56	1329	606	1547
20	1	19	21	1	20	1717.6	99.98	12.22	1322	606	1528
20	2	18	19	2	17	1698.8	107.74	10.53	1324	605	1535
20	2	18	20	2	19	1700.4	107.74	1.04	1323	605	1531
20	2	18	21	2	19	1718.0	107.74	11.25	1314	605	1512
20	3	17	19	3	16	1698.4	115.07	9.68	1316	604	1523
20	3	17	20	3	18	1700.9	115.07	1.47	1315	605	1518
20	3	17	21	3	18	1718.4	115.07	10.37	1303	604	1499
20	4	16	19	4	15	1698.0	121.99	8.91	1305	603	1511
20	4	16	20	4	17	1701.3	121.99	1.84	1304	604	1506
20	4	16	21	4	17	1718.8	121.99	9.57	1292	603	1490
20	5	15	19	5	14	1697.6	128.47	8.21	1293	601	1502
20	5	15	20	5	16	1701.7	128.47	2.16	1293	602	1496
20	5	15	21	5	16	1719.3	128.47	8.85	1281	601	1482
20	6	14	19	6	13	1697.1	134.54	7.58	1282	599	1494
20	6	14	20	6	15	1702.1	134.54	2.44	1282	600	1489
20	6	14	21	6	15	1719.7	134.54	8.20	1270	599	1476
20	7	13	19	7	12	1696.7	140.18	7.02	1270	597	1486
20	7	13	20	7	14	1702.6	140.18	2.68	1271	598	1482
20	7	13	21	7	14	1720.1	140.18	7.61	1262	596	1471
20	8	12	19	8	11	1696.3	145.39	6.51	1261	593	1479
20	8	12	20	8	13	1703.0	145.39	2.88	1262	595	1476
20	8	12	21	8	13	1720.5	145.39	7.07	1256	593	1461
20	9	11	19	9	10	1695.9	150.18	6.05	1253	591	1466
20	9	11	20	9	12	1703.4	150.18	3.04	1255	592	1464
20	9	11	21	9	12	1720.9	150.18	6.59	1248	590	1452
20	10	10	19	10	9	1695.4	154.53	5.65	1244	588	1453
20	10	10	20	10	11	1703.8	154.53	3.16	1246	589	1454
20	10	10	21	10	11	1721.4	154.53	6.17	1236	588	1444
20	11	9	19	11	8	1695.0	158.45	5.30	1229	585	1440
20	11	9	20	11	10	1704.3	158.45	3.24	1234	586	1443
20	11	9	21	11	10	1721.8	158.45	5.79	1223	584	1434
20	12	8	19	12	7	1694.6	161.93	5.02	1214	581	1423
20	12	8	20	12	9	1704.7	161.93	3.27	1219	583	1430
20	12	8	21	12	9	1722.2	161.93	5.47	1212	580	1421
20	13	7	19	13	6	1694.1	164.93	4.82	1196	578	1397
20	13	7	20	13	8	1705.2	164.93	3.23	1205	579	1414
20	13	7	21	13	8	1722.7	164.93	5.22	1196	577	1405
20	14	6	19	14	5	1693.4	167.34	4.98	1171	575	1357
20	14	6	20	14	7	1705.8	167.34	3.10	1188	576	1386
20	14	6	21	14	7	1723.2	167.34	5.09	1176	573	1373
20	15	5	19	15	4	1693.1	169.01	5.25	1157	574	1339
20	15	5	20	15	6	1706.7	169.01	3.22	1168	574	1362
20	15	5	21	15	6	1723.9	169.01	5.44	1147	571	1331
20	16	4	19	16	3	1693.3	170.37	4.15	1181	574	1381
20	16	4	20	16	5	1707.7	170.37	4.90	1174	574	1375
20	16	4	21	16	5	1724.1	170.37	5.42	1146	570	1327
20	17	3	19	17	2	1693.7	172.21	3.06	1215	575	1444
20	17	3	20	17	4	1708.1	172.21	8.09	1201	574	1422
20	17	3	21	17	4	1723.7	172.21	4.14	1177	571	1381
20	18	2	19	18	1	1693.9	174.65	2.07	1240	575	1495
20	18	2	20	18	3	1708.2	174.65	10.98	1226	574	1471
20	18	2	21	18	3	1723.4	174.65	3.09	1207	573	1445
20	19	1	19	19	0	1694.1	177.49	1.05	1262	574	1542

20	19	1	20	19	2	1708.2	177.49	13.54	1250	574	1520
20	19	1	21	19	2	1723.2	177.49	2.08	1236	573	1496
20	20	0	20	20	1	1708.2	180.64	15.93	1273	573	1563
20	20	0	21	20	1	1723.0	180.64	1.05	1260	573	1542
21	1	21	20	1	20	1699.2	100.77	12.60	1328	606	1546
21	1	21	21	1	20	1716.8	100.77	0.56	1322	606	1526
21	1	21	22	1	22	1717.6	100.77	13.35	1321	606	1524
21	2	20	20	2	19	1698.8	109.37	11.55	1322	606	1528
21	2	20	21	2	19	1716.4	109.37	1.05	1313	605	1509
21	2	20	22	2	21	1718.0	109.37	12.28	1311	606	1506
21	3	19	20	3	18	1698.4	117.54	10.61	1314	605	1512
21	3	19	21	3	18	1716.0	117.54	1.47	1301	605	1494
21	3	19	22	3	20	1718.4	117.54	11.31	1299	605	1489
21	4	18	20	4	17	1698.0	125.30	9.76	1303	604	1499
21	4	18	21	4	17	1715.5	125.30	1.84	1290	603	1483
21	4	18	22	4	19	1718.8	125.30	10.42	1288	604	1477
21	5	17	20	5	16	1697.6	132.63	8.98	1292	603	1490
21	5	17	21	5	16	1715.1	132.63	2.15	1279	602	1476
21	5	17	22	5	18	1719.3	132.63	9.63	1277	602	1469
21	6	16	20	6	15	1697.1	139.54	8.29	1281	601	1482
21	6	16	21	6	15	1714.7	139.54	2.42	1269	599	1470
21	6	16	22	6	17	1719.7	139.54	8.90	1270	600	1463
21	7	15	20	7	14	1696.7	146.02	7.65	1270	599	1476
21	7	15	21	7	14	1714.3	146.02	2.65	1261	597	1465
21	7	15	22	7	16	1720.1	146.02	8.25	1260	597	1458
21	8	14	20	8	13	1696.3	152.08	7.08	1262	596	1471
21	8	14	21	8	13	1713.8	152.08	2.84	1256	594	1457
21	8	14	22	8	15	1720.5	152.08	7.65	1256	595	1450
21	9	13	20	9	12	1695.9	157.71	6.57	1256	593	1461
21	9	13	21	9	12	1713.4	157.71	3.00	1249	592	1449
21	9	13	22	9	14	1720.9	157.71	7.12	1248	593	1444
21	10	12	20	10	11	1695.5	162.92	6.11	1248	590	1452
21	10	12	21	10	11	1713.0	162.92	3.12	1238	589	1443
21	10	12	22	10	13	1721.4	162.92	6.63	1239	590	1440
21	11	11	20	11	10	1695.0	167.70	5.70	1236	588	1444
21	11	11	21	11	10	1712.5	167.70	3.20	1226	585	1435
21	11	11	22	11	12	1721.8	167.70	6.20	1228	586	1434
21	12	10	20	12	9	1694.6	172.05	5.34	1223	584	1435
21	12	10	21	12	9	1712.1	172.05	3.24	1216	582	1425
21	12	10	22	12	11	1722.2	172.05	5.82	1219	583	1427
21	13	9	20	13	8	1694.2	175.95	5.03	1212	580	1422
21	13	9	21	13	8	1711.7	175.95	3.24	1204	578	1413
21	13	9	22	13	10	1722.6	175.95	5.48	1209	580	1418
21	14	8	20	14	7	1693.7	179.41	4.78	1200	578	1407
21	14	8	21	14	7	1711.2	179.41	3.15	1187	575	1395
21	14	8	22	14	9	1723.1	179.41	5.20	1194	577	1407
21	15	7	20	15	6	1693.3	182.41	4.57	1187	575	1393
21	15	7	21	15	6	1710.5	182.41	2.98	1165	572	1367
21	15	7	22	15	8	1723.5	182.41	4.98	1180	574	1393
21	16	6	20	16	5	1693.0	184.99	4.27	1180	574	1391
21	16	6	21	16	5	1709.5	184.99	3.31	1152	570	1345
21	16	6	22	16	7	1723.9	184.99	4.78	1170	571	1381
21	17	5	20	17	4	1693.0	187.34	3.66	1191	573	1410
21	17	5	21	17	4	1708.6	187.34	5.33	1167	570	1369

21	17	5	22	17	6	1724.1	187.34	4.42	1170	570	1381
21	18	4	20	18	3	1693.1	189.75	2.82	1213	573	1448
21	18	4	21	18	3	1708.3	189.75	8.32	1194	571	1422
21	18	4	22	18	5	1724.1	189.75	3.73	1183	570	1406
21	19	3	20	19	2	1693.2	192.45	1.90	1236	573	1496
21	19	3	21	19	2	1708.2	192.45	10.90	1222	572	1471
21	19	3	22	19	4	1724.0	192.45	2.84	1207	571	1448
21	20	2	20	20	1	1693.4	195.47	0.96	1260	573	1542
21	20	2	21	20	1	1708.2	195.47	13.21	1247	573	1519
21	20	2	22	20	3	1723.9	195.47	1.91	1233	572	1496
22	0	22	21	0	21	1698.8	110.14	12.63	1321	606	1524
22	0	22	23	0	23	1718.0	110.14	13.36	1310	606	1503
22	1	21	21	1	20	1698.4	119.16	11.58	1311	606	1506
22	1	21	22	1	22	1699.2	119.16	0.51	1311	606	1504
22	1	21	23	1	22	1718.4	119.16	12.28	1297	605	1483
22	2	20	21	2	19	1698.0	127.76	10.64	1299	605	1489
22	2	20	22	2	21	1699.6	127.76	0.95	1298	605	1486
22	2	20	23	2	21	1718.8	127.76	11.31	1284	604	1467
22	3	19	21	3	18	1697.6	135.94	9.78	1288	604	1477
22	3	19	22	3	20	1700.0	135.94	1.34	1286	604	1472
22	3	19	23	3	20	1719.3	135.94	10.43	1273	603	1456
22	4	18	21	4	17	1697.1	143.69	9.01	1277	602	1469
22	4	18	22	4	19	1700.4	143.69	1.68	1275	603	1463
22	4	18	23	4	19	1719.7	143.69	9.63	1266	601	1448
22	5	17	21	5	16	1696.7	151.02	8.31	1270	600	1463
22	5	17	22	5	18	1700.9	151.02	1.97	1268	600	1456
22	5	17	23	5	18	1720.1	151.02	8.91	1262	599	1444
22	6	16	21	6	15	1696.3	157.92	7.68	1260	597	1458
22	6	16	22	6	17	1701.3	157.92	2.22	1261	598	1452
22	6	16	23	6	17	1720.5	157.92	8.25	1252	597	1435
22	7	15	21	7	14	1695.9	164.40	7.11	1256	595	1450
22	7	15	22	7	16	1701.7	164.40	2.43	1254	596	1443
22	7	15	23	7	16	1720.9	164.40	7.66	1246	594	1429
22	8	14	21	8	13	1695.5	170.45	6.60	1248	593	1444
22	8	14	22	8	15	1702.1	170.45	2.62	1248	593	1437
22	8	14	23	8	15	1721.4	170.45	7.12	1237	592	1428
22	9	13	21	9	12	1695.0	176.08	6.13	1239	590	1440
22	9	13	22	9	14	1702.6	176.08	2.77	1238	591	1435
22	9	13	23	9	14	1721.8	176.08	6.64	1228	589	1426
22	10	12	21	10	11	1694.6	181.29	5.72	1228	586	1434
22	10	12	22	10	13	1703.0	181.29	2.89	1229	587	1431
22	10	12	23	10	13	1722.2	181.29	6.20	1221	585	1423
22	11	11	21	11	10	1694.2	186.06	5.35	1219	583	1427
22	11	11	22	11	12	1703.4	186.06	2.98	1221	584	1426
22	11	11	23	11	12	1722.6	186.06	5.81	1213	582	1418
22	12	10	21	12	9	1693.8	190.39	5.03	1208	580	1418
22	12	10	22	12	11	1703.9	190.39	3.04	1212	581	1419
22	12	10	23	12	11	1723.0	190.39	5.47	1202	579	1413
22	13	9	21	13	8	1693.3	194.28	4.76	1193	576	1406
22	13	9	22	13	10	1704.3	194.28	3.07	1198	578	1411
22	13	9	23	13	10	1723.5	194.28	5.17	1188	576	1405
22	14	8	21	14	7	1692.9	197.71	4.55	1177	572	1387
22	14	8	22	14	9	1704.8	197.71	3.04	1183	574	1399
22	14	8	23	14	9	1723.9	197.71	4.93	1176	571	1392

22	15	7	21	15	6	1692.3	200.62	4.49	1153	569	1348
22	15	7	22	15	8	1705.3	200.62	2.93	1167	571	1377
22	15	7	23	15	8	1724.4	200.62	4.75	1158	568	1364
22	16	6	21	16	5	1691.7	202.81	4.87	1130	566	1309
22	16	6	22	16	7	1706.1	202.81	2.80	1148	567	1345
22	16	6	23	16	7	1725.1	202.81	4.80	1134	564	1325
22	17	5	21	17	4	1691.6	204.34	4.52	1137	566	1319
22	17	5	22	17	6	1707.1	204.34	3.40	1141	566	1331
22	17	5	23	17	6	1725.6	204.34	5.23	1113	562	1292
22	18	4	21	18	3	1692.0	205.98	3.44	1168	568	1388
22	18	4	22	18	5	1707.9	205.98	5.68	1158	567	1370
22	18	4	23	18	5	1725.5	205.98	4.53	1128	562	1323
22	19	3	21	19	2	1692.4	208.29	2.59	1205	570	1446
22	19	3	22	19	4	1708.2	208.29	8.41	1190	569	1423
22	19	3	23	19	4	1725.0	208.29	3.47	1167	566	1391
22	20	2	21	20	1	1692.5	211.12	1.74	1233	572	1496
22	20	2	22	20	3	1708.2	211.12	10.71	1218	571	1473
22	20	2	23	20	3	1724.7	211.12	2.61	1202	568	1449
23	1	23	22	1	22	1698.4	119.93	12.60	1310	606	1503
23	1	23	23	1	22	1717.6	119.93	0.51	1296	605	1481
23	1	23	24	1	24	1718.4	119.93	13.32	1295	605	1480
23	2	22	22	2	21	1698.0	129.37	11.56	1297	605	1483
23	2	22	23	2	21	1717.2	129.37	0.96	1283	604	1464
23	2	22	24	2	23	1718.8	129.37	12.24	1281	604	1461
23	3	21	22	3	20	1697.6	138.39	10.62	1284	604	1467
23	3	21	23	3	20	1716.8	138.39	1.34	1271	603	1451
23	3	21	24	3	22	1719.2	138.39	11.27	1269	603	1447
23	4	20	22	4	19	1697.1	146.99	9.76	1273	603	1456
23	4	20	23	4	19	1716.4	146.99	1.67	1263	601	1442
23	4	20	24	4	21	1719.7	146.99	10.39	1260	601	1436
23	5	19	22	5	18	1696.7	155.16	8.99	1266	601	1448
23	5	19	23	5	18	1715.9	155.16	1.96	1259	599	1435
23	5	19	24	5	20	1720.1	155.16	9.59	1256	599	1425
23	6	18	22	6	17	1696.3	162.91	8.30	1262	599	1444
23	6	18	23	6	17	1715.5	162.91	2.20	1253	597	1427
23	6	18	24	6	19	1720.5	162.91	8.87	1250	598	1418
23	7	17	22	7	16	1695.9	170.23	7.67	1252	597	1435
23	7	17	23	7	16	1715.1	170.23	2.41	1244	595	1422
23	7	17	24	7	18	1720.9	170.23	8.22	1241	595	1414
23	8	16	22	8	15	1695.5	177.13	7.10	1246	594	1429
23	8	16	23	8	15	1714.7	177.13	2.58	1235	592	1419
23	8	16	24	8	17	1721.4	177.13	7.62	1233	593	1410
23	9	15	22	9	14	1695.0	183.61	6.58	1237	592	1428
23	9	15	23	9	14	1714.2	183.61	2.73	1227	589	1419
23	9	15	24	9	16	1721.8	183.61	7.09	1225	590	1411
23	10	14	22	10	13	1694.6	189.66	6.12	1228	589	1426
23	10	14	23	10	13	1713.8	189.66	2.84	1221	586	1418
23	10	14	24	10	15	1722.2	189.66	6.60	1220	587	1412
23	11	13	22	11	12	1694.2	195.28	5.70	1221	585	1423
23	11	13	23	11	12	1713.4	195.28	2.93	1214	583	1416
23	11	13	24	11	14	1722.6	195.28	6.17	1214	584	1411
23	12	12	22	12	11	1693.8	200.48	5.33	1213	582	1419
23	12	12	23	12	11	1713.0	200.48	2.99	1204	580	1412
23	12	12	24	12	13	1723.0	200.48	5.77	1204	581	1409

23	13	11	22	13	10	1693.4	205.24	5.00	1202	579	1413
23	13	11	23	13	10	1712.5	205.24	3.02	1192	577	1407
23	13	11	24	13	12	1723.5	205.24	5.43	1194	578	1407
23	14	10	22	14	9	1692.9	209.56	4.72	1189	576	1405
23	14	10	23	14	9	1712.1	209.56	3.01	1181	573	1399
23	14	10	24	14	11	1723.9	209.56	5.12	1185	575	1401
23	15	9	22	15	8	1692.5	213.43	4.49	1177	572	1394
23	15	9	23	15	8	1711.6	213.43	2.94	1168	569	1383
23	15	9	24	15	10	1724.3	213.43	4.86	1177	571	1394
23	16	8	22	16	7	1692.0	216.84	4.30	1167	569	1379
23	16	8	23	16	7	1711.0	216.84	2.80	1153	566	1359
23	16	8	24	16	9	1724.8	216.84	4.65	1165	568	1380
23	17	7	22	17	6	1691.7	219.80	4.11	1157	567	1366
23	17	7	23	17	6	1710.1	219.80	2.71	1130	563	1326
23	17	7	24	17	8	1725.2	219.80	4.48	1151	565	1363
23	18	6	22	18	5	1691.5	222.40	3.74	1158	567	1373
23	18	6	23	18	5	1709.1	222.40	3.60	1129	562	1326
23	18	6	24	18	7	1725.5	222.40	4.27	1143	563	1356
23	19	5	22	19	4	1691.5	224.91	3.11	1178	567	1406
23	19	5	23	19	4	1708.4	224.91	5.96	1156	564	1371
23	19	5	24	19	6	1725.6	224.91	3.84	1153	562	1369
23	20	4	22	20	3	1691.7	227.62	2.37	1203	569	1450
23	20	4	23	20	3	1708.2	227.62	8.38	1187	566	1426
23	20	4	24	20	5	1725.6	227.62	3.15	1173	564	1409
24	0	24	23	0	23	1698.0	130.13	12.53	1295	605	1480
24	0	24	25	0	25	1718.8	130.13	13.22	1280	604	1458
24	1	23	23	1	22	1697.6	140.00	11.49	1281	604	1461
24	1	23	24	1	24	1698.3	140.00	0.46	1281	604	1459
24	1	23	25	1	24	1719.2	140.00	12.15	1266	603	1441
24	2	22	23	2	21	1697.2	149.44	10.55	1269	603	1447
24	2	22	24	2	23	1698.8	149.44	0.86	1267	603	1444
24	2	22	25	2	23	1719.7	149.44	11.18	1256	602	1427
24	3	21	23	3	20	1696.7	158.46	9.70	1260	601	1436
24	3	21	24	3	22	1699.2	158.46	1.21	1258	601	1431
24	3	21	25	3	22	1720.1	158.46	10.30	1251	600	1411
24	4	20	23	4	19	1696.3	167.05	8.93	1256	599	1425
24	4	20	24	4	21	1699.6	167.05	1.51	1254	599	1419
24	4	20	25	4	21	1720.5	167.05	9.51	1244	598	1402
24	5	19	23	5	18	1695.9	175.22	8.24	1250	598	1418
24	5	19	24	5	20	1700.0	175.22	1.77	1247	598	1410
24	5	19	25	5	20	1720.9	175.22	8.79	1235	596	1396
24	6	18	23	6	17	1695.5	182.96	7.61	1241	595	1414
24	6	18	24	6	19	1700.5	182.96	2.00	1238	596	1405
24	6	18	25	6	19	1721.3	182.96	8.14	1227	594	1393
24	7	17	23	7	16	1695.0	190.28	7.05	1233	593	1410
24	7	17	24	7	18	1700.9	190.28	2.19	1230	594	1402
24	7	17	25	7	18	1721.8	190.28	7.55	1220	591	1392
24	8	16	23	8	15	1694.6	197.18	6.54	1225	590	1411
24	8	16	24	8	17	1701.3	197.18	2.35	1223	591	1402
24	8	16	25	8	17	1722.2	197.18	7.02	1214	588	1394
24	9	15	23	9	14	1694.2	203.65	6.07	1220	587	1412
24	9	15	24	9	16	1701.7	203.65	2.49	1216	588	1403
24	9	15	25	9	16	1722.6	203.65	6.54	1212	586	1396
24	10	14	23	10	13	1693.8	209.70	5.66	1213	584	1411

24	10	14	24	10	15	1702.2	209.70	2.60	1213	585	1404
24	10	14	25	10	15	1723.0	209.70	6.10	1204	583	1398
24	11	13	23	11	12	1693.4	215.31	5.29	1204	581	1409
24	11	13	24	11	14	1702.6	215.31	2.69	1204	582	1405
24	11	13	25	11	14	1723.4	215.31	5.71	1194	580	1399
24	12	12	23	12	11	1692.9	220.50	4.95	1194	578	1406
24	12	12	24	12	13	1703.0	220.50	2.75	1194	579	1404
24	12	12	25	12	13	1723.9	220.50	5.36	1187	577	1399
24	13	11	23	13	10	1692.5	225.25	4.66	1185	575	1401
24	13	11	24	13	12	1703.5	225.25	2.80	1187	575	1401
24	13	11	25	13	12	1724.3	225.25	5.05	1182	573	1396
24	14	10	23	14	9	1692.1	229.55	4.41	1176	571	1394
24	14	10	24	14	11	1703.9	229.55	2.81	1180	572	1396
24	14	10	25	14	11	1724.7	229.55	4.78	1173	570	1391
24	15	9	23	15	8	1691.6	233.40	4.21	1161	567	1375
24	15	9	24	15	10	1704.3	233.40	2.79	1169	569	1386
24	15	9	25	15	10	1725.2	233.40	4.55	1160	567	1380
24	16	8	23	16	7	1691.1	236.76	4.08	1142	563	1346
24	16	8	24	16	9	1704.8	236.76	2.71	1154	565	1368
24	16	8	25	16	9	1725.6	236.76	4.37	1145	563	1359
24	17	7	23	17	6	1690.4	239.51	4.21	1114	559	1305
24	17	7	24	17	8	1705.5	239.51	2.57	1134	562	1341
24	17	7	25	17	8	1726.2	239.51	4.29	1125	559	1330
24	18	6	23	18	5	1690.0	241.45	4.46	1097	556	1285
24	18	6	24	18	7	1706.5	241.45	2.60	1115	558	1315
24	18	6	25	18	7	1726.9	241.45	4.56	1091	553	1286
24	19	5	23	19	4	1690.3	243.03	3.66	1126	559	1326
24	19	5	24	19	6	1707.5	243.03	3.79	1123	557	1323
24	19	5	25	19	6	1727.1	243.03	4.61	1089	551	1278
24	20	4	23	20	3	1690.7	245.11	2.85	1167	563	1397
24	20	4	24	20	5	1708.1	245.11	6.12	1153	561	1377
24	20	4	25	20	5	1726.8	245.11	3.66	1127	556	1335
25	1	25	24	1	24	1697.6	140.75	12.41	1280	604	1458
25	1	25	25	1	24	1718.5	140.75	0.47	1265	603	1439
25	1	25	26	1	26	1719.2	140.75	13.08	1264	603	1438
25	2	24	24	2	23	1697.2	151.04	11.37	1266	603	1441
25	2	24	25	2	23	1718.1	151.04	0.87	1255	602	1424
25	2	24	26	2	25	1719.7	151.04	12.01	1253	602	1421
25	3	23	24	3	22	1696.7	160.90	10.44	1256	602	1427
25	3	23	25	3	22	1717.6	160.90	1.21	1249	600	1406
25	3	23	26	3	24	1720.1	160.90	11.05	1247	600	1401
25	4	22	24	4	21	1696.3	170.34	9.60	1251	600	1411
25	4	22	25	4	21	1717.2	170.34	1.51	1241	598	1395
25	4	22	26	4	23	1720.5	170.34	10.18	1238	598	1389
25	5	21	24	5	20	1695.9	179.35	8.84	1244	598	1402
25	5	21	25	5	20	1716.8	179.35	1.76	1231	596	1388
25	5	21	26	5	22	1720.9	179.35	9.39	1228	596	1381
25	6	20	24	6	19	1695.5	187.94	8.15	1235	596	1396
25	6	20	25	6	19	1716.4	187.94	1.98	1224	594	1384
25	6	20	26	6	21	1721.3	187.94	8.68	1220	594	1375
25	7	19	24	7	18	1695.1	196.11	7.53	1227	594	1393
25	7	19	25	7	18	1715.9	196.11	2.16	1217	592	1383
25	7	19	26	7	20	1721.8	196.11	8.03	1213	592	1373
25	8	18	24	8	17	1694.6	203.85	6.97	1220	591	1392

25	8	18	25	8	17	1715.5	203.85	2.32	1211	589	1384
25	8	18	26	8	19	1722.2	203.85	7.45	1207	589	1374
25	9	17	24	9	16	1694.2	211.17	6.46	1214	588	1394
25	9	17	25	9	16	1715.1	211.17	2.44	1209	586	1386
25	9	17	26	9	18	1722.6	211.17	6.92	1206	587	1376
25	10	16	24	10	15	1693.8	218.06	6.00	1212	586	1396
25	10	16	25	10	15	1714.7	218.06	2.55	1202	583	1390
25	10	16	26	10	17	1723.0	218.06	6.44	1199	584	1380
25	11	15	24	11	14	1693.4	224.52	5.58	1204	583	1398
25	11	15	25	11	14	1714.2	224.52	2.63	1194	581	1393
25	11	15	26	11	16	1723.4	224.52	6.01	1192	581	1385
25	12	14	24	12	13	1693.0	230.56	5.21	1194	580	1399
25	12	14	25	12	13	1713.8	230.56	2.69	1187	578	1394
25	12	14	26	12	15	1723.9	230.56	5.62	1186	578	1388
25	13	13	24	13	12	1692.5	236.17	4.88	1187	577	1399
25	13	13	25	13	12	1713.4	236.17	2.73	1183	574	1394
25	13	13	26	13	14	1724.3	236.17	5.27	1182	575	1390
25	14	12	24	14	11	1692.1	241.34	4.59	1182	573	1396
25	14	12	25	14	11	1712.9	241.34	2.74	1176	571	1392
25	14	12	26	14	13	1724.7	241.34	4.96	1176	572	1390
25	15	11	24	15	10	1691.7	246.08	4.33	1174	570	1391
25	15	11	25	15	10	1712.5	246.08	2.73	1165	568	1386
25	15	11	26	15	12	1725.1	246.08	4.68	1167	569	1387
25	16	10	24	16	9	1691.2	250.37	4.11	1161	567	1381
25	16	10	25	16	9	1712.0	250.37	2.68	1152	565	1372
25	16	10	26	16	11	1725.6	250.37	4.44	1158	566	1380
25	17	9	24	17	8	1690.8	254.20	3.94	1148	564	1366
25	17	9	25	17	8	1711.5	254.20	2.58	1138	561	1354
25	17	9	26	17	10	1726.0	254.20	4.24	1148	563	1369
25	18	8	24	18	7	1690.4	257.56	3.79	1136	561	1352
25	18	8	25	18	7	1710.8	257.56	2.41	1116	556	1327
25	18	8	26	18	9	1726.5	257.56	4.09	1135	559	1355
25	19	7	24	19	6	1690.1	260.48	3.58	1136	558	1348
25	19	7	25	19	6	1709.7	260.48	2.59	1104	552	1304
25	19	7	26	19	8	1726.9	260.48	3.95	1129	556	1342
25	20	6	24	20	5	1690.0	263.16	3.17	1146	559	1370
25	20	6	25	20	5	1708.7	263.16	4.01	1118	554	1328
25	20	6	26	20	7	1727.1	263.16	3.70	1126	555	1345
26	0	26	25	0	25	1697.2	151.78	12.25	1264	603	1438
26	0	26	27	0	27	1719.6	151.78	12.90	1251	601	1418
26	1	25	25	1	24	1696.7	162.49	11.22	1253	602	1421
26	1	25	26	1	26	1697.5	162.49	0.41	1252	602	1420
26	1	25	27	1	26	1720.1	162.49	11.84	1244	599	1395
26	2	24	25	2	23	1696.3	172.77	10.29	1247	600	1401
26	2	24	26	2	25	1697.9	172.77	0.77	1245	599	1398
26	2	24	27	2	25	1720.5	172.77	10.88	1234	598	1379
26	3	23	25	3	22	1695.9	182.63	9.46	1238	598	1389
26	3	23	26	3	24	1698.3	182.63	1.08	1236	598	1384
26	3	23	27	3	24	1720.9	182.63	10.01	1223	596	1368
26	4	22	25	4	21	1695.5	192.07	8.70	1228	596	1381
26	4	22	26	4	23	1698.8	192.07	1.35	1225	596	1374
26	4	22	27	4	23	1721.3	192.07	9.23	1213	594	1360
26	5	21	25	5	20	1695.1	201.08	8.02	1220	594	1375
26	5	21	26	5	22	1699.2	201.08	1.58	1216	595	1368

26	5	21	27	5	22	1721.8	201.08	8.53	1205	592	1356
26	6	20	25	6	19	1694.6	209.67	7.41	1213	592	1373
26	6	20	26	6	21	1699.6	209.67	1.78	1209	592	1365
26	6	20	27	6	21	1722.2	209.67	7.89	1198	589	1355
26	7	19	25	7	18	1694.2	217.83	6.85	1207	589	1374
26	7	19	26	7	20	1700.0	217.83	1.94	1203	589	1365
26	7	19	27	7	20	1722.6	217.83	7.31	1199	587	1356
26	8	18	25	8	17	1693.8	225.57	6.35	1206	587	1376
26	8	18	26	8	19	1700.5	225.57	2.09	1203	587	1367
26	8	18	27	8	19	1723.0	225.57	6.79	1193	585	1360
26	9	17	25	9	16	1693.4	232.88	5.90	1199	584	1380
26	9	17	26	9	18	1700.9	232.88	2.21	1196	584	1370
26	9	17	27	9	18	1723.4	232.88	6.32	1187	582	1365
26	10	16	25	10	15	1693.0	239.77	5.49	1192	581	1385
26	10	16	26	10	17	1701.3	239.77	2.30	1190	582	1375
26	10	16	27	10	17	1723.9	239.77	5.89	1182	579	1370
26	11	15	25	11	14	1692.5	246.23	5.12	1186	578	1388
26	11	15	26	11	16	1701.7	246.23	2.39	1185	579	1380
26	11	15	27	11	16	1724.3	246.23	5.50	1180	576	1375
26	12	14	25	12	13	1692.1	252.26	4.79	1182	575	1390
26	12	14	26	12	15	1702.2	252.26	2.45	1182	575	1384
26	12	14	27	12	15	1724.7	252.26	5.15	1176	574	1379
26	13	13	25	13	12	1691.7	257.85	4.49	1176	572	1390
26	13	13	26	13	14	1702.6	257.85	2.49	1176	573	1385
26	13	13	27	13	14	1725.1	257.85	4.84	1168	571	1381
26	14	12	25	14	11	1691.3	263.02	4.23	1167	569	1387
26	14	12	26	14	13	1703.0	263.02	2.52	1168	570	1385
26	14	12	27	14	13	1725.5	263.02	4.57	1161	568	1381
26	15	11	25	15	10	1690.8	267.74	4.00	1157	566	1380
26	15	11	26	15	12	1703.5	267.74	2.52	1160	567	1382
26	15	11	27	15	12	1726.0	267.74	4.32	1155	565	1377
26	16	10	25	16	9	1690.4	272.01	3.82	1147	562	1366
26	16	10	26	16	11	1703.9	272.01	2.50	1152	564	1374
26	16	10	27	16	11	1726.4	272.01	4.11	1149	561	1370
26	17	9	25	17	8	1689.9	275.80	3.67	1133	558	1347
26	17	9	26	17	10	1704.4	275.80	2.45	1142	560	1362
26	17	9	27	17	10	1726.9	275.80	3.94	1136	558	1357
26	18	8	25	18	7	1689.3	279.05	3.63	1104	553	1314
26	18	8	26	18	9	1705.0	279.05	2.34	1125	556	1342
26	18	8	27	18	9	1727.4	279.05	3.83	1118	552	1335
26	19	7	25	19	6	1688.6	281.56	3.92	1076	547	1270
26	19	7	26	19	8	1705.8	281.56	2.20	1102	551	1313
26	19	7	27	19	8	1728.0	281.56	3.86	1085	547	1296
26	20	6	25	20	5	1688.5	283.32	3.72	1083	547	1281
26	20	6	26	20	7	1706.9	283.32	2.58	1091	548	1298
26	20	6	27	20	7	1728.6	283.32	4.20	1062	542	1258
27	1	27	26	1	26	1696.8	163.22	12.05	1251	601	1418
27	1	27	27	1	26	1719.3	163.22	0.42	1243	599	1393
27	1	27	28	1	28	1720.1	163.22	12.67	1242	599	1391
27	2	26	26	2	25	1696.3	174.36	11.03	1244	599	1395
27	2	26	27	2	25	1718.9	174.36	0.78	1233	598	1376
27	2	26	28	2	27	1720.5	174.36	11.62	1231	598	1373
27	3	25	26	3	24	1695.9	185.06	10.11	1234	598	1379
27	3	25	27	3	24	1718.5	185.06	1.08	1221	596	1363

27	3	25	28	3	26	1720.9	185.06	10.67	1218	596	1360
27	4	24	26	4	23	1695.5	195.34	9.28	1223	596	1368
27	4	24	27	4	23	1718.1	195.34	1.35	1210	594	1354
27	4	24	28	4	25	1721.3	195.34	9.82	1208	594	1348
27	5	23	26	5	22	1695.1	205.20	8.54	1213	594	1360
27	5	23	27	5	22	1717.6	205.20	1.57	1202	592	1349
27	5	23	28	5	24	1721.7	205.20	9.05	1198	592	1341
27	6	22	26	6	21	1694.6	214.63	7.87	1205	592	1356
27	6	22	27	6	21	1717.2	214.63	1.76	1194	589	1347
27	6	22	28	6	23	1722.2	214.63	8.35	1190	589	1339
27	7	21	26	7	20	1694.2	223.64	7.26	1198	589	1355
27	7	21	27	7	20	1716.8	223.64	1.92	1194	587	1347
27	7	21	28	7	22	1722.6	223.64	7.72	1190	587	1338
27	8	20	26	8	19	1693.8	232.23	6.71	1199	587	1356
27	8	20	27	8	19	1716.4	232.23	2.05	1189	585	1349
27	8	20	28	8	21	1723.0	232.23	7.15	1184	585	1340
27	9	19	26	9	18	1693.4	240.38	6.22	1193	585	1360
27	9	19	27	9	18	1715.9	240.38	2.17	1183	583	1355
27	9	19	28	9	20	1723.4	240.38	6.64	1178	583	1344
27	10	18	26	10	17	1693.0	248.12	5.77	1187	582	1365
27	10	18	27	10	17	1715.5	248.12	2.26	1178	580	1360
27	10	18	28	10	19	1723.9	248.12	6.17	1175	580	1349
27	11	17	26	11	16	1692.5	255.42	5.36	1182	579	1370
27	11	17	27	11	16	1715.1	255.42	2.33	1177	576	1366
27	11	17	28	11	18	1724.3	255.42	5.75	1174	577	1355
27	12	16	26	12	15	1692.1	262.30	5.00	1180	576	1376
27	12	16	27	12	15	1714.7	262.30	2.38	1174	574	1371
27	12	16	28	12	17	1724.7	262.30	5.37	1171	575	1362
27	13	15	26	13	14	1691.7	268.76	4.67	1176	574	1379
27	13	15	27	13	14	1714.2	268.76	2.42	1168	572	1375
27	13	15	28	13	16	1725.1	268.76	5.02	1166	572	1367
27	14	14	26	14	13	1691.3	274.78	4.38	1169	571	1381
27	14	14	27	14	13	1713.8	274.78	2.44	1161	569	1377
27	14	14	28	14	15	1725.5	274.78	4.71	1161	570	1371
27	15	13	26	15	12	1690.9	280.37	4.12	1161	569	1381
27	15	13	27	15	12	1713.4	280.37	2.45	1156	566	1376
27	15	13	28	15	14	1726.0	280.37	4.44	1156	567	1373
27	16	12	26	16	11	1690.4	285.52	3.89	1155	565	1377
27	16	12	27	16	11	1712.9	285.52	2.43	1152	563	1373
27	16	12	28	16	13	1726.4	285.52	4.19	1153	564	1373
27	17	11	26	17	10	1690.0	290.22	3.69	1149	562	1370
27	17	11	27	17	10	1712.4	290.22	2.39	1144	559	1366
27	17	11	28	17	12	1726.8	290.22	3.98	1147	561	1370
27	18	10	26	18	9	1689.5	294.47	3.53	1138	559	1359
27	18	10	27	18	9	1712.0	294.47	2.32	1130	555	1352
27	18	10	28	18	11	1727.3	294.47	3.80	1137	558	1363
27	19	9	26	19	8	1689.1	298.24	3.40	1126	555	1346
27	19	9	27	19	8	1711.4	298.24	2.18	1109	551	1332
27	19	9	28	19	10	1727.7	298.24	3.65	1124	554	1353
27	20	8	26	20	7	1688.7	301.55	3.27	1115	553	1337
27	20	8	27	20	7	1710.4	301.55	2.08	1087	547	1299
27	20	8	28	20	9	1728.1	301.55	3.54	1111	551	1340
28	0	28	27	0	27	1696.3	175.08	11.81	1242	599	1391
28	0	28	29	0	29	1720.5	175.08	12.41	1230	597	1370

28	1	27	27	1	26	1695.9	186.63	10.80	1231	598	1373
28	1	27	28	1	28	1696.6	186.63	0.37	1231	598	1372
28	1	27	29	1	28	1720.9	186.63	11.37	1215	596	1354
28	2	26	27	2	25	1695.5	197.76	9.89	1218	596	1360
28	2	26	28	2	27	1697.1	197.76	0.69	1217	596	1357
28	2	26	29	2	27	1721.3	197.76	10.43	1202	594	1341
28	3	25	27	3	24	1695.1	208.47	9.08	1208	594	1348
28	3	25	28	3	26	1697.5	208.47	0.96	1205	594	1344
28	3	25	29	3	26	1721.7	208.47	9.59	1192	591	1330
28	4	24	27	4	23	1694.7	218.75	8.34	1198	592	1341
28	4	24	28	4	25	1697.9	218.75	1.19	1196	591	1335
28	4	24	29	4	25	1722.2	218.75	8.83	1188	588	1324
28	5	23	27	5	22	1694.2	228.60	7.68	1190	589	1339
28	5	23	28	5	24	1698.3	228.60	1.39	1187	589	1331
28	5	23	29	5	24	1722.6	228.60	8.14	1182	587	1322
28	6	22	27	6	21	1693.8	238.03	7.09	1190	587	1338
28	6	22	28	6	23	1698.8	238.03	1.56	1186	587	1330
28	6	22	29	6	23	1723.0	238.03	7.53	1175	585	1322
28	7	21	27	7	20	1693.4	247.03	6.55	1184	585	1340
28	7	21	28	7	22	1699.2	247.03	1.71	1179	585	1330
28	7	21	29	7	22	1723.4	247.03	6.96	1168	583	1324
28	8	20	27	8	19	1693.0	255.61	6.06	1178	583	1344
28	8	20	28	8	21	1699.6	255.61	1.83	1174	583	1334
28	8	20	29	8	21	1723.8	255.61	6.46	1165	580	1329
28	9	19	27	9	18	1692.5	263.77	5.62	1175	580	1349
28	9	19	28	9	20	1700.0	263.77	1.93	1171	580	1339
28	9	19	29	9	20	1724.3	263.77	6.00	1166	577	1334
28	10	18	27	10	17	1692.1	271.50	5.22	1174	577	1355
28	10	18	28	10	19	1700.5	271.50	2.02	1171	577	1345
28	10	18	29	10	19	1724.7	271.50	5.59	1164	575	1340
28	11	17	27	11	16	1691.7	278.80	4.86	1171	575	1362
28	11	17	28	11	18	1700.9	278.80	2.09	1168	575	1352
28	11	17	29	11	18	1725.1	278.80	5.21	1160	573	1347
28	12	16	27	12	15	1691.3	285.67	4.54	1166	572	1367
28	12	16	28	12	17	1701.3	285.67	2.14	1164	573	1358
28	12	16	29	12	17	1725.5	285.67	4.87	1157	571	1354
28	13	15	27	13	14	1690.9	292.11	4.25	1161	570	1371
28	13	15	28	13	16	1701.8	292.11	2.18	1159	571	1363
28	13	15	29	13	16	1726.0	292.11	4.57	1154	568	1359
28	14	14	27	14	13	1690.4	298.13	3.99	1156	567	1373
28	14	14	28	14	15	1702.2	298.13	2.21	1156	568	1367
28	14	14	29	14	15	1726.4	298.13	4.29	1153	565	1364
28	15	13	27	15	12	1690.0	303.70	3.76	1153	564	1373
28	15	13	28	15	14	1702.6	303.70	2.22	1154	565	1370
28	15	13	29	15	14	1726.8	303.70	4.05	1150	563	1368
28	16	12	27	16	11	1689.6	308.84	3.56	1147	560	1370
28	16	12	28	16	13	1703.1	308.84	2.22	1148	562	1370
28	16	12	29	16	13	1727.2	308.84	3.83	1143	560	1368
28	17	11	27	17	10	1689.1	313.53	3.39	1137	558	1362
28	17	11	28	17	12	1703.5	313.53	2.20	1141	559	1367
28	17	11	29	17	12	1727.7	313.53	3.65	1134	557	1365
28	18	10	27	18	9	1688.7	317.75	3.25	1122	552	1349
28	18	10	28	18	11	1704.0	317.75	2.16	1129	555	1359
28	18	10	29	18	11	1728.1	317.75	3.49	1124	552	1357

28	19	9	27	19	8	1688.1	321.46	3.16	1100	548	1325
28	19	9	28	19	10	1704.5	321.46	2.08	1115	551	1346
28	19	9	29	19	10	1728.6	321.46	3.37	1109	548	1343
28	20	8	27	20	7	1687.4	324.53	3.25	1069	542	1279
28	20	8	28	20	9	1705.2	324.53	1.95	1094	546	1321
28	20	8	29	20	9	1729.2	324.53	3.31	1086	543	1313
29	1	29	28	1	28	1695.9	187.35	11.53	1230	597	1370
29	1	29	29	1	28	1720.2	187.35	0.37	1214	596	1353
29	1	29	30	1	30	1720.9	187.35	12.11	1214	595	1351
29	2	28	28	2	27	1695.5	199.33	10.54	1215	596	1354
29	2	28	29	2	27	1719.8	199.33	0.69	1201	594	1338
29	2	28	30	2	29	1721.3	199.33	11.09	1199	593	1335
29	3	27	28	3	26	1695.1	210.88	9.65	1202	594	1341
29	3	27	29	3	26	1719.3	210.88	0.96	1190	591	1326
29	3	27	30	3	28	1721.7	210.88	10.17	1187	591	1322
29	4	26	28	4	25	1694.7	222.00	8.85	1192	591	1330
29	4	26	29	4	25	1718.9	222.00	1.19	1107	588	1319
29	4	26	30	4	27	1722.1	222.00	9.34	1184	588	1314
29	5	25	28	5	24	1694.2	232.71	8.12	1188	588	1324
29	5	25	29	5	24	1718.5	232.71	1.39	1179	586	1315
29	5	25	30	5	26	1722.6	232.71	8.59	1175	586	1309
29	6	24	28	6	23	1693.8	242.98	7.47	1182	587	1322
29	6	24	29	6	23	1718.1	242.98	1.55	1171	585	1314
29	6	24	30	6	25	1723.0	242.98	7.92	1166	584	1306
29	7	23	28	7	22	1693.4	252.83	6.89	1175	585	1322
29	7	23	29	7	22	1717.6	252.83	1.69	1163	583	1316
29	7	23	30	7	24	1723.4	252.83	7.31	1162	583	1307
29	8	22	28	8	21	1693.0	262.26	6.36	1168	583	1324
29	8	22	29	8	21	1717.2	262.26	1.80	1160	580	1318
29	8	22	30	8	23	1723.8	262.26	6.76	1155	580	1308
29	9	21	28	9	20	1692.6	271.26	5.88	1165	580	1329
29	9	21	29	9	20	1716.8	271.26	1.90	1161	577	1323
29	9	21	30	9	22	1724.3	271.26	6.26	1155	577	1312
29	10	20	28	10	19	1692.1	279.83	5.45	1166	577	1334
29	10	20	29	10	19	1716.3	279.83	1.97	1160	575	1328
29	10	20	30	10	21	1724.7	279.83	5.81	1154	575	1317
29	11	19	28	11	18	1691.7	287.98	5.06	1164	575	1340
29	11	19	29	11	18	1715.9	287.98	2.04	1156	573	1336
29	11	19	30	11	20	1725.1	287.98	5.41	1151	573	1323
29	12	18	28	12	17	1691.3	295.70	4.71	1160	573	1347
29	12	18	29	12	17	1715.5	295.70	2.08	1153	571	1343
29	12	18	30	12	19	1725.5	295.70	5.04	1149	571	1331
29	13	17	28	13	16	1690.9	303.00	4.39	1157	571	1354
29	13	17	29	13	16	1715.1	303.00	2.12	1152	569	1351
29	13	17	30	13	18	1725.9	303.00	4.71	1149	569	1340
29	14	16	28	14	15	1690.4	309.87	4.11	1155	568	1360
29	14	16	29	14	15	1714.6	309.87	2.14	1152	566	1357
29	14	16	30	14	17	1726.4	309.87	4.41	1149	566	1348
29	15	15	28	15	14	1690.0	316.30	3.85	1153	565	1364
29	15	15	29	15	14	1714.2	316.30	2.15	1149	563	1362
29	15	15	30	15	16	1726.8	316.30	4.14	1148	564	1355
29	16	14	28	16	13	1689.6	322.30	3.62	1150	563	1368
29	16	14	29	16	13	1713.8	322.30	2.14	1144	561	1365
29	16	14	30	16	15	1727.2	322.30	3.89	1144	562	1361

29	17	13	28	17	12	1689.2	327.87	3.42	1143	560	1368
29	17	13	29	17	12	1713.3	327.87	2.13	1138	558	1366
29	17	13	30	17	14	1727.6	327.87	3.68	1140	559	1364
29	18	12	28	18	11	1688.7	332.99	3.25	1135	557	1365
29	18	12	29	18	11	1712.9	332.99	2.09	1129	554	1363
29	18	12	30	18	13	1728.1	332.99	3.49	1134	556	1365
29	19	11	28	19	10	1688.3	337.65	3.10	1125	553	1358
29	19	11	29	19	10	1712.4	337.65	2.03	1119	550	1355
29	19	11	30	19	12	1728.5	337.65	3.33	1127	552	1362
29	20	10	28	20	9	1687.8	341.85	2.98	1112	549	1348
29	20	10	29	20	9	1711.9	341.85	1.94	1104	546	1341
29	20	10	30	20	11	1729.0	341.85	3.19	1116	549	1355
30	0	30	29	0	29	1695.5	200.03	11.23	1214	595	1351
30	0	30	31	0	31	1721.3	200.03	11.79	1198	593	1333
30	1	29	29	1	28	1695.1	212.43	10.25	1199	593	1335
30	1	29	30	1	30	1695.8	212.43	0.33	1199	593	1334
30	1	29	31	1	30	1721.7	212.43	10.78	1184	591	1317
30	2	28	29	2	27	1694.7	224.40	9.38	1187	591	1322
30	2	28	30	2	29	1696.2	224.40	0.61	1186	590	1319
30	2	28	31	2	29	1722.1	224.40	9.87	1180	587	1306
30	3	27	29	3	26	1694.3	235.95	8.59	1184	588	1314
30	3	27	30	3	28	1696.7	235.95	0.84	1182	588	1310
30	3	27	31	3	28	1722.6	235.95	9.06	1168	585	1299
30	4	26	29	4	25	1693.8	247.08	7.88	1175	586	1309
30	4	26	30	4	27	1697.1	247.08	1.05	1172	586	1304
30	4	26	31	4	27	1723.0	247.08	8.33	1158	584	1295
30	5	25	29	5	24	1693.4	257.77	7.25	1166	584	1306
30	5	25	30	5	26	1697.5	257.77	1.22	1162	584	1301
30	5	25	31	5	26	1723.4	257.77	7.67	1152	582	1290
30	6	24	29	6	23	1693.0	268.05	6.67	1162	583	1307
30	6	24	30	6	25	1697.9	268.05	1.36	1158	582	1298
30	6	24	31	6	25	1723.8	268.05	7.07	1152	579	1289
30	7	23	29	7	22	1692.6	277.89	6.16	1155	580	1308
30	7	23	30	7	24	1698.4	277.89	1.49	1154	580	1298
30	7	23	31	7	24	1724.3	277.89	6.53	1146	576	1290
30	8	22	29	8	21	1692.1	287.32	5.69	1155	577	1312
30	8	22	30	8	23	1698.8	287.32	1.59	1150	577	1301
30	8	22	31	8	23	1724.7	287.32	6.05	1143	575	1294
30	9	21	29	9	20	1691.7	296.31	5.27	1154	575	1317
30	9	21	30	9	22	1699.2	296.31	1.68	1149	575	1305
30	9	21	31	9	22	1725.1	296.31	5.61	1140	573	1300
30	10	20	29	10	19	1691.3	304.88	4.89	1151	573	1323
30	10	20	30	10	21	1699.6	304.88	1.75	1146	573	1311
30	10	20	31	10	21	1725.5	304.88	5.21	1138	571	1307
30	11	19	29	11	18	1690.9	313.03	4.54	1149	571	1331
30	11	19	30	11	20	1700.1	313.03	1.80	1144	571	1319
30	11	19	31	11	20	1725.9	313.03	4.86	1139	569	1315
30	12	18	29	12	17	1690.5	320.74	4.23	1149	569	1340
30	12	18	30	12	19	1700.5	320.74	1.85	1144	569	1328
30	12	18	31	12	19	1726.4	320.74	4.53	1142	567	1325
30	13	17	29	13	16	1690.0	328.03	3.95	1149	566	1348
30	13	17	30	13	18	1700.9	328.03	1.88	1146	566	1337
30	13	17	31	13	18	1726.8	328.03	4.23	1142	565	1336
30	14	16	29	14	15	1689.6	334.89	3.70	1148	564	1355

30	14	16	30	14	17	1701.3	334.89	1.91	1145	565	1346
30	14	16	31	14	17	1727.2	334.89	3.97	1140	563	1345
30	15	15	29	15	14	1689.2	341.32	3.48	1144	561	1361
30	15	15	30	15	16	1701.8	341.32	1.92	1143	562	1354
30	15	15	31	15	16	1727.6	341.32	3.73	1138	561	1353
30	16	14	29	16	13	1688.8	347.31	3.28	1140	559	1364
30	16	14	30	16	15	1702.2	347.31	1.93	1139	560	1360
30	16	14	31	16	15	1728.0	347.31	3.52	1135	558	1359
30	17	13	29	17	12	1688.3	352.86	3.10	1133	555	1365
30	17	13	30	17	14	1702.6	352.86	1.92	1135	556	1363
30	17	13	31	17	14	1728.5	352.86	3.33	1133	554	1363
30	18	12	29	18	11	1687.9	357.96	2.95	1127	552	1361
30	18	12	30	18	13	1703.1	357.96	1.90	1131	553	1364
30	18	12	31	18	13	1728.9	357.96	3.17	1127	551	1363
30	19	11	29	19	10	1687.4	362.60	2.82	1114	548	1353
30	19	11	30	19	12	1703.6	362.60	1.87	1123	550	1360
30	19	11	31	19	12	1729.4	362.60	3.03	1117	548	1360
30	20	10	29	20	9	1686.9	366.75	2.73	1098	544	1336
30	20	10	30	20	11	1704.0	366.75	1.81	1110	547	1352
30	20	10	31	20	11	1729.8	366.75	2.92	1104	544	1350
31	1	31	30	1	30	1695.1	213.12	10.90	1198	593	1333
31	1	31	31	1	30	1721.0	213.12	0.33	1184	591	1317
31	1	31	32	1	32	1721.7	213.12	11.43	1183	591	1316
31	2	30	30	2	29	1694.7	225.94	9.94	1184	591	1317
31	2	30	31	2	29	1720.6	225.94	0.61	1179	588	1304
31	2	30	32	2	31	1722.1	225.94	10.44	1177	589	1301
31	3	29	30	3	28	1694.3	238.34	9.08	1180	587	1306
31	3	29	31	3	28	1720.2	238.34	0.85	1166	585	1296
31	3	29	32	3	30	1722.6	238.34	9.56	1164	585	1294
31	4	28	30	4	27	1693.8	250.32	8.31	1168	585	1299
31	4	28	31	4	27	1719.7	250.32	1.05	1154	583	1290
31	4	28	32	4	29	1723.0	250.32	8.76	1152	583	1285
31	5	27	30	5	26	1693.4	261.86	7.62	1158	584	1295
31	5	27	31	5	26	1719.3	261.86	1.21	1148	582	1284
31	5	27	32	5	28	1723.4	261.86	8.04	1144	581	1277
31	6	26	30	6	25	1693.0	272.98	7.00	1152	582	1290
31	6	26	31	6	25	1718.9	272.98	1.35	1147	579	1281
31	6	26	32	6	27	1723.8	272.98	7.40	1141	578	1273
31	7	25	30	7	24	1692.6	283.68	6.44	1152	579	1289
31	7	25	31	7	24	1718.5	283.68	1.47	1144	576	1280
31	7	25	32	7	26	1724.2	283.68	6.82	1139	575	1271
31	8	24	30	8	23	1692.1	293.94	5.94	1146	576	1290
31	8	24	31	8	23	1718.0	293.94	1.57	1139	574	1284
31	8	24	32	8	25	1724.7	293.94	6.29	1134	574	1273
31	9	23	30	9	22	1691.7	303.79	5.48	1143	575	1294
31	9	23	31	9	22	1717.6	303.79	1.65	1135	573	1289
31	9	23	32	9	24	1725.1	303.79	5.82	1130	572	1277
31	10	22	30	10	21	1691.3	313.20	5.07	1140	573	1300
31	10	22	31	10	21	1717.2	313.20	1.71	1132	571	1295
31	10	22	32	10	23	1725.5	313.20	5.39	1127	571	1284
31	11	21	30	11	20	1690.9	322.20	4.70	1138	571	1307
31	11	21	31	11	20	1716.8	322.20	1.76	1133	569	1303
31	11	21	32	11	22	1725.9	322.20	5.01	1127	569	1291
31	12	20	30	12	19	1690.5	330.76	4.37	1139	569	1315

31	12	20	31	12	19	1716.3	330.76	1.80	1137	567	1313
31	12	20	32	12	21	1726.3	330.76	4.66	1131	566	1300
31	13	19	30	13	18	1690.0	338.90	4.06	1142	567	1325
31	13	19	31	13	18	1715.9	338.90	1.82	1138	565	1324
31	13	19	32	13	20	1726.8	338.90	4.34	1133	565	1311
31	14	18	30	14	17	1689.6	346.61	3.79	1142	565	1336
31	14	18	31	14	17	1715.5	346.61	1.84	1137	563	1334
31	14	18	32	14	19	1727.2	346.61	4.05	1133	563	1323
31	15	17	30	15	16	1689.2	353.89	3.54	1140	563	1345
31	15	17	31	15	16	1715.0	353.89	1.85	1136	561	1344
31	15	17	32	15	18	1727.6	353.89	3.80	1133	562	1334
31	16	16	30	16	15	1688.8	360.74	3.32	1138	561	1353
31	16	16	31	16	15	1714.6	360.74	1.85	1134	559	1353
31	16	16	32	16	17	1728.0	360.74	3.56	1132	559	1344
31	17	15	30	17	14	1688.4	367.16	3.13	1135	558	1359
31	17	15	31	17	14	1714.2	367.16	1.84	1133	555	1359
31	17	15	32	17	16	1728.5	367.16	3.36	1132	557	1352
31	18	14	30	18	13	1687.9	373.13	2.95	1133	554	1363
31	18	14	31	18	13	1713.7	373.13	1.82	1129	552	1363
31	18	14	32	18	15	1728.9	373.13	3.17	1130	553	1359
31	19	13	30	19	12	1687.5	378.67	2.80	1128	551	1363
31	19	13	31	19	12	1713.3	378.67	1.79	1122	550	1363
31	19	13	32	19	14	1729.3	373.67	3.01	1124	551	1363
31	20	12	30	20	11	1687.1	383.75	2.67	1118	549	1360
31	20	12	31	20	11	1712.8	383.75	1.75	1112	546	1359
31	20	12	32	20	13	1729.8	383.75	2.86	1118	548	1364
32	0	32	31	0	31	1694.7	226.62	10.55	1183	591	1316
32	0	32	33	0	33	1722.1	226.62	11.06	1176	589	1301
32	1	31	31	1	30	1694.3	239.87	9.61	1177	589	1301
32	1	31	32	1	32	1694.9	239.87	0.29	1176	589	1301
32	1	31	33	1	32	1722.5	239.87	10.09	1161	585	1290
32	2	30	31	2	29	1693.8	252.69	8.77	1164	585	1294
32	2	30	32	2	31	1695.4	252.69	0.53	1162	585	1292
32	2	30	33	2	31	1723.0	252.69	9.22	1147	582	1278
32	3	29	31	3	28	1693.4	265.09	8.02	1152	583	1285
32	3	29	32	3	30	1695.8	265.09	0.74	1149	582	1281
32	3	29	33	3	30	1723.4	265.09	8.44	1138	580	1267
32	4	28	31	4	27	1693.0	277.06	7.35	1144	581	1277
32	4	28	32	4	29	1696.2	277.06	0.91	1141	581	1272
32	4	28	33	4	29	1723.8	277.06	7.75	1134	577	1260
32	5	27	31	5	26	1692.6	289.60	6.74	1141	578	1273
32	5	27	32	5	28	1696.7	288.60	1.06	1137	578	1266
32	5	27	33	5	28	1724.2	288.60	7.12	1129	574	1257
32	6	26	31	6	25	1692.2	299.72	6.19	1139	575	1271
32	6	26	32	6	27	1697.1	299.72	1.18	1133	575	1264
32	6	26	33	6	27	1724.7	299.72	6.55	1122	573	1256
32	7	25	31	7	24	1691.7	310.41	5.70	1134	574	1273
32	7	25	32	7	26	1697.5	310.41	1.28	1128	573	1265
32	7	25	33	7	26	1725.1	310.41	6.04	1118	571	1258
32	8	24	31	8	23	1691.3	320.67	5.26	1130	572	1277
32	8	24	32	8	25	1697.9	320.67	1.37	1124	572	1267
32	8	24	33	8	25	1725.5	320.67	5.58	1118	570	1262
32	9	23	31	9	22	1690.9	330.51	4.86	1127	571	1284
32	9	23	32	9	24	1698.4	330.51	1.44	1122	570	1272

32	9	23	33	9	24	1725.9	330.51	5.17	1117	568	1268
32	10	22	31	10	21	1690.5	339.92	4.50	1127	569	1291
32	10	22	32	10	23	1698.8	339.92	1.50	1122	568	1280
32	10	22	33	10	23	1726.3	339.92	4.79	1119	566	1276
32	11	21	31	11	20	1690.1	348.91	4.18	1131	566	1300
32	11	21	32	11	22	1699.2	348.91	1.54	1125	566	1288
32	11	21	33	11	22	1726.8	348.91	4.45	1121	564	1286
32	12	20	31	12	19	1689.6	357.47	3.88	1133	565	1311
32	12	20	32	12	21	1699.6	357.47	1.58	1127	565	1298
32	12	20	33	12	21	1727.2	357.47	4.14	1122	563	1297
32	13	19	31	13	18	1689.2	365.60	3.62	1133	563	1323
32	13	19	32	13	20	1700.1	365.60	1.61	1127	563	1310
32	13	19	33	13	20	1727.6	365.60	3.87	1124	562	1309
32	14	18	31	14	17	1688.8	373.30	3.38	1133	562	1334
32	14	18	32	14	19	1700.5	373.30	1.63	1128	562	1322
32	14	18	33	14	19	1728.0	373.30	3.62	1125	560	1322
32	15	17	31	15	16	1688.4	380.58	3.17	1132	559	1344
32	15	17	32	15	18	1700.9	380.58	1.64	1129	560	1334
32	15	17	33	15	18	1728.4	380.58	3.39	1127	558	1334
32	16	16	31	16	15	1687.9	387.42	2.97	1132	557	1352
32	16	16	32	16	17	1701.4	387.42	1.64	1130	557	1344
32	16	16	33	16	17	1728.9	387.42	3.19	1127	555	1344
32	17	15	31	17	14	1687.5	393.82	2.80	1130	553	1359
32	17	15	32	17	16	1701.8	393.82	1.64	1129	555	1352
32	17	15	33	17	16	1729.3	393.82	3.01	1124	552	1353
32	18	14	31	18	13	1687.1	399.78	2.65	1124	551	1363
32	18	14	32	18	15	1702.2	399.78	1.63	1125	552	1359
32	18	14	33	18	15	1729.7	399.78	2.85	1121	550	1360
32	19	13	31	19	12	1686.6	405.30	2.52	1118	548	1363
32	19	13	32	19	14	1702.7	405.30	1.61	1121	549	1363
32	19	13	33	19	14	1730.2	405.30	2.70	1118	547	1364
32	20	12	31	20	11	1686.2	410.36	2.41	1108	545	1359
32	20	12	32	20	13	1703.1	410.36	1.58	1115	546	1363
32	20	12	33	20	13	1730.6	410.36	2.58	1112	545	1364
33	1	33	32	1	32	1694.3	240.53	10.18	1176	589	1301
33	1	33	33	1	32	1721.9	240.53	0.29	1160	585	1290
33	1	33	34	1	34	1722.5	240.53	10.67	1159	585	1289
33	2	32	32	2	31	1693.9	254.21	9.26	1161	585	1290
33	2	32	33	2	31	1721.4	254.21	0.53	1145	582	1276
33	2	32	34	2	33	1722.9	254.21	9.72	1143	581	1274
33	3	31	32	3	30	1693.4	267.46	8.45	1147	582	1278
33	3	31	33	3	30	1721.0	267.46	0.74	1135	580	1264
33	3	31	34	3	32	1723.4	267.46	8.87	1133	579	1261
33	4	30	32	4	29	1693.0	280.27	7.71	1138	580	1267
33	4	30	33	4	29	1720.6	280.27	0.91	1131	577	1256
33	4	30	34	4	31	1723.8	280.27	8.12	1128	577	1251
33	5	29	32	5	28	1692.6	292.67	7.06	1134	577	1260
33	5	29	33	5	28	1720.2	292.67	1.05	1126	573	1250
33	5	29	34	5	30	1724.2	292.67	7.44	1122	573	1245
33	6	28	32	6	27	1692.2	304.63	6.47	1129	574	1257
33	6	28	33	6	27	1719.7	304.63	1.17	1118	572	1249
33	6	28	34	6	29	1724.6	304.63	6.82	1114	571	1242
33	7	27	32	7	26	1691.7	316.17	5.94	1122	573	1256
33	7	27	33	7	26	1719.3	316.17	1.27	1113	571	1249

33	7	27	34	7	28	1725.1	316.17	6.28	1108	570	1241
33	8	26	32	8	25	1691.3	327.28	5.46	1118	571	1258
33	8	26	33	8	25	1718.9	327.28	1.35	1112	569	1252
33	8	26	34	8	27	1725.5	327.28	5.78	1106	568	1243
33	9	25	32	9	24	1690.9	337.97	5.03	1118	570	1262
33	9	25	33	9	24	1718.5	337.97	1.41	1113	567	1258
33	9	25	34	9	26	1725.9	337.97	5.33	1109	566	1248
33	10	24	32	10	23	1690.5	348.23	4.65	1117	568	1268
33	10	24	33	10	23	1718.0	348.23	1.46	1114	565	1265
33	10	24	34	10	25	1726.3	348.23	4.93	1108	564	1254
33	11	23	32	11	22	1690.1	358.06	4.30	1119	566	1276
33	11	23	33	11	22	1717.6	358.06	1.50	1115	564	1274
33	11	23	34	11	24	1726.8	358.06	4.57	1110	563	1262
33	12	22	32	12	21	1689.6	367.47	3.98	1121	564	1286
33	12	22	33	12	21	1717.2	367.47	1.53	1115	563	1284
33	12	22	34	12	23	1727.2	367.47	4.24	1109	562	1272
33	13	21	32	13	20	1689.2	376.45	3.70	1122	563	1297
33	13	21	33	13	20	1716.8	376.45	1.55	1118	562	1296
33	13	21	34	13	22	1727.6	376.45	3.94	1111	561	1284
33	14	20	32	14	19	1688.8	385.00	3.44	1124	562	1309
33	14	20	33	14	19	1716.3	385.00	1.57	1120	560	1309
33	14	20	34	14	21	1728.0	385.00	3.68	1114	560	1296
33	15	19	32	15	18	1688.4	393.13	3.21	1125	560	1322
33	15	19	33	15	18	1715.9	393.13	1.57	1123	558	1322
33	15	19	34	15	20	1728.4	393.13	3.43	1118	558	1309
33	16	18	32	16	17	1688.0	400.82	3.01	1127	558	1334
33	16	18	33	16	17	1715.5	400.82	1.57	1124	556	1334
33	16	18	34	16	19	1728.9	400.82	3.22	1120	556	1323
33	17	17	32	17	16	1687.5	408.09	2.82	1127	555	1344
33	17	17	33	17	16	1715.0	408.09	1.57	1122	553	1344
33	17	17	34	17	18	1729.3	408.09	3.02	1119	553	1335
33	18	16	32	18	15	1687.1	414.92	2.65	1124	552	1353
33	18	16	33	18	15	1714.6	414.92	1.56	1120	551	1354
33	18	16	34	18	17	1729.7	414.92	2.84	1119	551	1345
33	19	15	32	19	14	1686.7	421.31	2.50	1121	550	1360
33	19	15	33	19	14	1714.1	421.31	1.54	1119	548	1361
33	19	15	34	19	16	1730.1	421.31	2.68	1119	549	1356
33	20	14	32	20	13	1686.2	427.26	2.37	1119	547	1364
33	20	14	33	20	13	1713.7	427.26	1.51	1115	546	1365
33	20	14	34	20	15	1730.6	427.26	2.54	1116	547	1363
34	0	34	33	0	33	1693.9	254.86	9.79	1159	585	1289
34	0	34	35	0	35	1722.9	254.86	10.26	1142	581	1272
34	1	33	33	1	32	1693.5	268.96	8.90	1143	581	1274
34	1	33	34	1	34	1694.1	268.96	0.25	1142	581	1273
34	1	33	35	1	34	1723.4	268.96	9.34	1130	579	1258
34	2	32	33	2	31	1693.0	282.63	8.11	1133	579	1261
34	2	32	34	2	33	1694.5	282.63	0.46	1131	579	1259
34	2	32	35	2	33	1723.8	282.63	8.51	1124	576	1246
34	3	31	33	3	30	1692.6	295.87	7.39	1128	577	1251
34	3	31	34	3	32	1695.0	295.87	0.64	1126	577	1249
34	3	31	35	3	32	1724.2	295.87	7.78	1116	574	1237
34	4	30	33	4	29	1692.2	308.69	6.76	1122	573	1245
34	4	30	34	4	31	1695.4	308.69	0.78	1119	574	1241
34	4	30	35	4	31	1724.6	308.69	7.12	1107	570	1232

34	5	29	33	5	28	1691.8	321.08	6.19	1114	571	1242
34	5	29	34	5	30	1695.8	321.08	0.91	1111	571	1236
34	5	29	35	5	30	1725.1	321.08	6.52	1100	569	1228
34	6	28	33	6	27	1691.3	333.04	5.67	1108	570	1241
34	6	28	34	6	29	1696.2	333.04	1.01	1104	569	1234
34	6	28	35	6	29	1725.5	333.04	5.99	1097	567	1227
34	7	27	33	7	26	1690.9	344.57	5.21	1106	568	1243
34	7	27	34	7	28	1696.7	344.57	1.10	1101	568	1235
34	7	27	35	7	28	1725.9	344.57	5.51	1097	565	1230
34	8	26	33	8	25	1690.5	355.68	4.80	1109	566	1247
34	8	26	34	8	27	1697.1	355.68	1.17	1103	566	1239
34	8	26	35	8	27	1726.3	355.68	5.08	1097	563	1234
34	9	25	33	9	24	1690.1	366.36	4.43	1108	564	1254
34	9	25	34	9	26	1697.5	366.36	1.22	1104	564	1244
34	9	25	35	9	26	1726.7	366.36	4.69	1097	562	1240
34	10	24	33	10	23	1689.6	376.62	4.09	1110	563	1262
34	10	24	34	10	25	1697.9	376.62	1.27	1104	563	1251
34	10	24	35	10	25	1727.2	376.62	4.34	1098	561	1249
34	11	23	33	11	22	1689.2	386.45	3.79	1109	562	1272
34	11	23	34	11	24	1698.4	386.45	1.31	1104	562	1260
34	11	23	35	11	24	1727.6	386.45	4.03	1099	560	1260
34	12	22	33	12	21	1688.8	395.85	3.51	1111	561	1284
34	12	22	34	12	23	1698.8	395.85	1.33	1105	561	1272
34	12	22	35	12	23	1728.0	395.85	3.74	1101	559	1272
34	13	21	33	13	20	1688.4	404.82	3.27	1114	560	1296
34	13	21	34	13	22	1699.2	404.82	1.35	1107	559	1284
34	13	21	35	13	22	1728.4	404.82	3.48	1106	558	1284
34	14	20	33	14	19	1688.0	413.37	3.04	1118	558	1309
34	14	20	34	14	21	1699.7	413.37	1.37	1112	558	1297
34	14	20	35	14	21	1728.9	413.37	3.25	1109	555	1297
34	15	19	33	15	18	1687.5	421.49	2.84	1120	556	1323
34	15	19	34	15	20	1700.1	421.49	1.38	1115	556	1310
34	15	19	35	15	20	1729.3	421.49	3.04	1110	553	1311
34	16	18	33	16	17	1687.1	429.17	2.66	1119	553	1335
34	16	18	34	16	19	1700.5	429.17	1.38	1115	554	1323
34	16	18	35	16	19	1729.7	429.17	2.85	1112	552	1325
34	17	17	33	17	16	1686.7	436.43	2.50	1119	551	1345
34	17	17	34	17	18	1700.9	436.43	1.38	1116	552	1336
34	17	17	35	17	18	1730.1	436.43	2.68	1114	550	1337
34	18	16	33	18	15	1686.3	443.25	2.35	1118	549	1356
34	18	16	34	18	17	1701.4	443.25	1.37	1117	550	1347
34	18	16	35	18	17	1730.5	443.25	2.52	1114	548	1349
34	19	15	33	19	14	1685.8	449.62	2.23	1116	547	1362
34	19	15	34	19	16	1701.8	449.62	1.36	1116	548	1357
34	19	15	35	19	16	1731.0	449.62	2.39	1113	546	1359
34	20	14	33	20	13	1685.4	455.56	2.11	1112	544	1365
34	20	14	34	20	15	1702.3	455.56	1.34	1113	545	1363
34	20	14	35	20	15	1731.4	455.56	2.26	1110	544	1363
35	1	35	34	1	34	1693.5	269.59	9.39	1142	581	1272
35	1	35	35	1	34	1722.7	269.59	0.25	1129	579	1257
35	1	35	36	1	36	1723.3	269.59	9.84	1129	578	1256
35	2	34	34	2	33	1693.0	284.11	8.53	1130	579	1258
35	2	34	35	2	33	1722.3	284.11	0.46	1123	576	1244
35	2	34	36	2	35	1723.8	284.11	8.94	1122	576	1242

35	3	33	34	3	32	1692.6	298.21	7.76	1124	576	1246
35	3	33	35	3	32	1721.9	298.21	0.64	1114	574	1234
35	3	33	36	3	34	1724.2	298.21	8.14	1112	574	1232
35	4	32	34	4	31	1692.2	311.88	7.07	1116	574	1237
35	4	32	35	4	31	1721.4	311.88	0.79	1103	571	1228
35	4	32	36	4	33	1724.6	311.88	7.43	1101	571	1224
35	5	31	34	5	30	1691.8	325.12	6.45	1107	570	1232
35	5	31	35	5	30	1721.0	325.12	0.91	1096	568	1223
35	5	31	36	5	32	1725.0	325.12	6.79	1092	567	1218
35	6	30	34	6	29	1691.3	337.93	5.90	1100	569	1228
35	6	30	35	6	29	1720.6	337.93	1.01	1093	566	1221
35	6	30	36	6	31	1725.5	337.93	6.22	1088	565	1215
35	7	29	34	7	28	1690.9	350.31	5.40	1097	567	1227
35	7	29	35	7	28	1720.2	350.31	1.09	1093	564	1222
35	7	29	36	7	30	1725.9	350.31	5.70	1089	565	1215
35	8	28	34	8	27	1690.5	362.27	4.96	1097	565	1230
35	8	28	35	8	27	1719.7	362.27	1.15	1092	562	1226
35	8	28	36	8	29	1726.3	362.27	5.24	1088	561	1217
35	9	27	34	9	26	1690.1	373.80	4.56	1097	563	1234
35	9	27	35	9	26	1719.3	373.80	1.20	1090	561	1231
35	9	27	36	9	28	1726.7	373.80	4.83	1085	560	1221
35	10	26	34	10	25	1689.7	384.91	4.20	1097	562	1240
35	10	26	35	10	25	1718.9	384.91	1.24	1092	560	1239
35	10	26	36	10	27	1727.2	384.91	4.45	1085	559	1228
35	11	25	34	11	24	1689.2	395.58	3.88	1098	561	1249
35	11	25	35	11	24	1718.5	395.58	1.27	1093	559	1249
35	11	25	36	11	26	1727.6	395.58	4.11	1085	559	1237
35	12	24	34	12	23	1688.8	405.83	3.59	1099	560	1260
35	12	24	35	12	23	1718.0	405.83	1.30	1095	558	1261
35	12	24	36	12	25	1728.0	405.83	3.81	1089	558	1249
35	13	23	34	13	22	1688.4	415.66	3.32	1101	559	1272
35	13	23	35	13	22	1717.6	415.66	1.31	1099	557	1274
35	13	23	36	13	24	1728.4	415.66	3.53	1093	556	1261
35	14	22	34	14	21	1688.0	425.05	3.09	1106	558	1284
35	14	22	35	14	21	1717.2	425.05	1.32	1102	555	1286
35	14	22	36	14	23	1728.8	425.05	3.29	1095	555	1274
35	15	21	34	15	20	1687.5	434.02	2.87	1109	555	1297
35	15	21	35	15	20	1716.7	434.02	1.32	1104	553	1299
35	15	21	36	15	22	1729.3	434.02	3.06	1097	553	1288
35	16	20	34	16	19	1687.1	442.56	2.68	1110	553	1311
35	16	20	35	16	19	1716.3	442.56	1.32	1107	552	1312
35	16	20	36	16	21	1729.7	442.56	2.86	1101	552	1301
35	17	19	34	17	18	1686.7	450.67	2.50	1112	552	1325
35	17	19	35	17	18	1715.9	450.67	1.32	1110	551	1326
35	17	19	36	17	20	1730.1	450.67	2.68	1105	551	1314
35	18	18	34	18	17	1686.3	458.35	2.35	1114	550	1337
35	18	18	35	18	17	1715.4	458.35	1.31	1112	549	1339
35	18	18	36	18	19	1730.5	458.35	2.51	1108	549	1329
35	19	17	34	19	16	1685.9	465.59	2.21	1114	548	1349
35	19	17	35	19	16	1715.0	465.59	1.29	1111	547	1351
35	19	17	36	19	18	1731.0	465.59	2.36	1109	547	1341
35	20	16	34	20	15	1685.4	472.40	2.08	1113	546	1359
35	20	16	35	20	15	1714.6	472.40	1.27	1111	545	1359
35	20	16	36	20	17	1731.4	472.40	2.23	1110	546	1352

VI. APPENDIX B

LISTING OF LINEWIDTHS FOR b-TYPE TRANSITIONS

The format of this listing is the same as that used for the tabulation in the Appendix A. The line position and the relative line intensity values again refer to the ν_2 fundamental band of HNO_3 . All other spectral parameters listed can be applied to any HNO_3 band having b-type transitions.

Listing of Linewidth Parameters for b-Type Transitions in HNO_3

Lower State			Upper State			Approximate Line Position in the ν_2 Band (cm^{-1})	Rotational Energy of the Lower State (cm^{-1})	Relative Line Intensity (ν_2 Band) at 300°K	γ° (in $10^{-4} \text{ cm}^{-1} \text{ atm}^{-1}$) of HNO_3 Lines Broadened by			
J	K_a	K_c	J	K_a	K_c				HNO_3	N_2	O_2	Air
										300°K		200°K
0	0	0	1	1	1	1708.8	161.93	1.00	6446	1286	572	1413
1	1	0	1	0	1	1708.0	161.93	1.49	6367	1289	572	1422
1	1	0	2	2	1	1709.7	161.93	1.49	6328	1289	572	1424
2	0	2	1	1	1	1707.2	161.93	1.38	6372	1289	572	1431
2	0	2	2	1	1	1708.8	161.93	1.01	6312	1293	573	1415
2	0	2	3	1	3	1709.7	161.93	2.44	6290	1293	573	1422
2	1	2	1	0	1	1707.1	161.93	1.49	6384	1290	572	1403
2	1	2	2	2	1	1708.9	167.34	0.83	6345	1290	572	1396
2	1	2	3	0	3	1709.7	167.34	2.43	6295	1292	573	1387
2	1	2	3	2	1	1711.3	167.34	0.22	6384	1299	574	1384
2	2	0	1	1	1	1706.3	167.34	0.60	6353	1290	573	1345
2	2	0	2	1	1	1707.9	167.34	2.29	6280	1294	573	1378
2	2	0	3	3	1	1710.6	167.53	2.05	6346	1294	573	1371
3	1	2	2	2	1	1706.4	167.53	1.28	6333	1294	574	1401
3	1	2	3	0	3	1707.2	167.53	0.94	6258	1297	574	1397
3	1	2	3	2	1	1708.8	167.53	1.97	6305	1303	575	1388
3	1	2	4	2	3	1710.5	167.53	2.44	6281	1303	576	1353
3	2	2	2	1	1	1706.3	170.37	1.63	6292	1296	574	1379
3	2	2	3	1	3	1707.1	170.37	0.93	6273	1296	574	1412
3	2	2	3	3	1	1708.9	170.37	1.36	6365	1296	574	1336
3	2	2	4	1	3	1710.5	170.37	2.41	6301	1302	575	1382
3	2	2	4	3	1	1712.0	170.37	0.53	6483	1309	577	1371
3	3	0	2	2	1	1705.5	172.12	1.33	6386	1294	573	1421
3	3	0	3	2	1	1707.9	172.12	2.79	6373	1303	575	1414
3	3	0	4	4	1	1711.5	172.12	2.70	6471	1298	574	1450
4	0	4	3	1	3	1706.3	172.12	3.37	6188	1297	574	1371
4	0	4	4	1	3	1709.7	172.12	0.96	6201	1303	576	1423
4	0	4	5	1	5	1710.5	174.65	4.36	6124	1304	576	1472
4	1	4	3	0	3	1706.3	174.65	3.37	6187	1297	574	1519
4	1	4	4	2	3	1709.7	174.65	0.96	6205	1303	576	1443
4	1	4	5	0	5	1710.5	174.65	4.36	6124	1304	576	1496
4	1	4	5	2	3	1713.8	174.65	0.11	6357	1309	577	1471
4	2	2	3	1	3	1703.8	177.49	0.13	6385	1304	576	1520

4	2	2	3	3	1	1705.6	177.49	1.11	6485	1303	576	1496
4	2	2	4	1	3	1707.2	177.49	1.72	6364	1310	577	1541
4	2	2	4	3	1	1708.7	177.49	3.00	6503	1317	578	1469
4	2	2	5	3	3	1711.4	177.49	2.46	6495	1315	579	1520
4	3	2	3	2	1	1705.4	180.64	1.84	6407	1307	576	1563
4	3	2	4	2	3	1707.1	180.64	1.67	6386	1307	576	1541
4	3	2	4	4	1	1709.0	180.64	1.73	6531	1302	575	1563
4	3	2	5	2	3	1711.3	109.37	2.37	6522	1313	578	1528
4	3	2	5	4	1	1712.8	109.37	0.95	6733	1317	579	1526
4	4	0	3	3	1	1704.7	109.37	2.16	6512	1298	574	1509
4	4	0	4	3	1	1707.8	109.37	2.99	6504	1311	577	1506
4	4	0	5	5	1	1712.4	109.37	3.44	6645	1301	575	1528
5	1	4	4	2	3	1705.5	109.37	3.31	6266	1309	577	1526
5	1	4	5	0	5	1706.3	109.37	0.95	6173	1311	577	1509
5	1	4	5	2	3	1709.7	109.37	1.74	6384	1316	578	1506
5	1	4	6	2	5	1711.3	109.37	4.27	6264	1318	579	1492
5	2	4	4	1	3	1705.5	125.30	3.31	6261	1309	577	1513
5	2	4	5	1	5	1706.3	125.30	0.95	6173	1311	577	1499
5	2	4	5	3	3	1709.7	125.30	1.74	6391	1315	578	1494
5	2	4	6	1	5	1711.3	125.30	4.27	6264	1318	579	1483
5	2	4	6	3	3	1714.7	125.30	0.26	6585	1321	580	1477
5	3	2	4	2	3	1703.0	125.30	0.31	6558	1317	579	1499
5	3	2	4	4	1	1704.9	125.30	0.88	6746	1312	578	1494
5	3	2	5	2	3	1707.2	125.30	2.46	6643	1323	580	1483
5	3	2	5	4	1	1708.7	125.30	4.02	6813	1327	582	1477
5	3	2	6	4	3	1712.2	125.30	2.49	6820	1325	582	1471
5	4	2	4	3	1	1704.5	139.54	2.10	6672	1316	579	1492
5	4	2	5	3	3	1707.1	139.54	2.29	6663	1315	579	1482
5	4	2	5	5	1	1709.1	139.54	1.98	6764	1306	577	1476
5	4	2	6	3	3	1712.1	139.54	2.26	6849	1320	581	1470
5	4	2	6	5	1	1713.6	139.54	1.47	7052	1323	582	1463
5	5	0	4	4	1	1703.9	139.54	3.07	6670	1300	575	1482
5	5	0	5	4	1	1707.7	139.54	2.93	6888	1315	579	1476
5	5	0	6	6	1	1713.3	139.54	4.24	6819	1302	576	1470
6	0	6	5	1	5	1705.5	139.54	5.19	6110	1312	577	1463
6	0	6	5	1	5	1710.5	139.54	0.96	6190	1320	579	1457
6	0	6	7	1	7	1711.3	152.08	6.17	6149	1322	580	1477
6	1	6	5	0	5	1705.5	152.08	5.19	6110	1312	577	1471
6	1	6	6	2	5	1710.5	152.08	0.96	6190	1320	579	1465
6	1	6	7	0	7	1711.3	152.08	6.17	6149	1322	580	1457
6	1	6	7	2	5	1715.4	152.08	0.07	6385	1324	581	1450
6	2	4	5	1	5	1701.3	152.08	0.08	6348	1317	579	1471
6	2	4	5	3	3	1704.6	152.08	3.25	6546	1322	580	1465
6	2	4	6	1	5	1706.3	152.08	1.74	6408	1324	581	1457
6	2	4	6	3	3	1709.6	152.08	2.43	6710	1327	582	1450
6	2	4	7	3	5	1712.2	152.08	4.19	6580	1329	582	1447
6	3	4	5	2	3	1704.6	162.92	3.26	6538	1322	580	1462
6	3	4	6	2	5	1706.3	162.92	1.74	6409	1324	581	1452
6	3	4	6	4	3	1709.7	162.92	2.42	6719	1325	582	1449
6	3	4	7	2	5	1712.2	162.92	4.19	6581	1329	582	1443
6	3	4	7	4	3	1715.5	162.92	0.43	6923	1331	584	1440
6	4	2	5	3	3	1702.3	162.92	0.52	6877	1327	583	1452
6	4	2	5	5	1	1704.2	162.92	0.65	7059	1318	581	1449
6	4	2	6	3	3	1707.3	162.92	3.25	7003	1332	584	1443

6	4	2	5	5	1	1708.7	162.92	4.85	7176	1334	586	1440
6	4	2	7	5	3	1713.1	162.92	2.54	7192	1333	586	1435
6	5	2	5	4	1	1703.6	172.05	2.43	6988	1323	581	1445
6	5	2	5	4	3	1707.1	172.05	2.82	6989	1321	581	1434
6	5	2	6	6	1	1709.2	172.05	2.13	7002	1310	579	1435
6	5	2	7	4	3	1712.9	172.05	2.07	7194	1327	584	1425
6	5	2	7	6	1	1714.4	172.05	2.11	7350	1326	584	1427
6	6	0	5	5	1	1703.0	172.05	3.97	6824	1302	576	1434
6	6	0	6	5	1	1707.5	172.05	2.74	7171	1318	581	1435
6	6	0	7	7	1	1714.2	172.05	5.05	6969	1302	577	1426
7	1	6	5	2	5	1704.6	172.05	5.03	6311	1328	581	1427
7	1	6	7	0	7	1705.5	172.05	0.94	6259	1329	582	1418
7	1	6	7	2	5	1710.5	179.41	1.76	6472	1332	583	1422
7	1	6	8	2	7	1712.2	179.41	5.98	6399	1335	583	1406
7	2	6	5	1	5	1704.6	179.41	5.03	6311	1328	581	1413
7	2	6	7	1	7	1705.5	179.41	0.94	6259	1329	582	1394
7	2	6	7	3	5	1710.5	179.41	1.76	6473	1332	583	1406
7	2	6	8	1	7	1712.2	179.41	5.98	6400	1335	583	1406
7	2	6	8	3	5	1717.2	179.41	0.19	6684	1335	585	1414
7	3	4	6	2	5	1700.5	179.41	0.21	6619	1327	582	1400
7	3	4	6	4	3	1703.8	179.41	3.19	6910	1327	583	1407
7	3	4	7	2	5	1706.3	179.41	2.42	6764	1331	584	1385
7	3	4	7	4	3	1709.6	184.68	3.07	7083	1333	586	1374
7	3	4	8	4	5	1713.0	184.68	4.11	6955	1334	586	1370
7	4	4	6	3	3	1703.8	184.68	3.20	6901	1329	583	1359
7	4	4	7	3	5	1706.3	184.68	2.42	6768	1331	584	1322
7	4	4	7	5	3	1709.7	184.68	3.03	7096	1331	585	1358
7	4	4	8	3	5	1713.0	184.99	4.11	6959	1334	586	1354
7	4	4	8	5	3	1716.3	184.99	0.60	7307	1336	588	1387
7	5	2	6	4	3	1701.5	184.99	0.76	7234	1334	586	1387
7	5	2	6	6	1	1703.6	184.99	0.47	7363	1322	583	1371
7	5	2	7	4	3	1707.3	184.99	4.13	7364	1340	589	1339
7	5	2	7	6	1	1708.8	187.74	5.34	7518	1339	589	1373
7	5	2	8	6	3	1714.0	187.74	2.63	7555	1338	589	1410
7	6	2	6	5	1	1702.7	187.74	2.83	7314	1327	584	1325
7	6	2	7	5	3	1707.1	187.74	3.24	7321	1326	584	1383
7	6	2	7	7	1	1709.3	187.74	2.20	7229	1311	580	1365
7	6	2	8	5	3	1713.6	189.75	1.78	7545	1331	587	1420
7	6	2	8	7	1	1715.1	189.75	2.86	7601	1325	586	1409
7	7	0	6	6	1	1702.2	189.75	4.80	6961	1301	576	1448
7	7	0	7	6	1	1707.4	189.75	2.54	7404	1318	582	1362
7	7	0	8	8	1	1715.0	189.75	5.82	7088	1300	577	1423
8	0	8	7	1	7	1704.7	192.45	6.87	6233	1332	582	1471
8	0	8	8	1	7	1711.3	192.45	0.94	6365	1338	584	1519
8	0	8	9	1	9	1712.2	192.45	7.82	6351	1339	584	1445
8	1	8	7	0	7	1704.7	192.45	6.87	6233	1332	582	1495
8	1	8	8	2	7	1711.3	192.45	0.94	6365	1338	584	1472
8	1	8	9	0	9	1712.2	195.47	7.82	6351	1339	584	1520
8	1	8	9	2	7	1718.9	195.47	0.06	6571	1341	586	1496
8	2	6	7	1	7	1698.8	195.47	0.06	6461	1332	583	1542
8	2	6	7	3	5	1703.8	195.47	4.89	6650	1335	585	1470
8	2	6	8	1	7	1705.5	195.47	1.73	6568	1338	585	1519
8	2	6	8	3	5	1710.5	110.14	2.45	6835	1338	586	1524
8	2	6	9	3	7	1713.0	110.14	5.80	6748	1342	587	1504

8	3	6	7	2	5	1703.8	110.14	4.89	6650	1335	585	1503
8	3	6	8	2	7	1705.5	110.14	1.73	6568	1338	585	1524
8	3	6	8	4	5	1710.5	110.14	2.45	6836	1338	586	1504
8	3	6	9	2	7	1713.0	110.14	5.80	6748	1342	587	1503
8	3	6	9	4	5	1718.0	110.14	0.32	7048	1339	588	1485
8	4	4	7	3	5	1699.7	127.76	0.35	6977	1334	586	1507
8	4	4	7	5	3	1703.0	127.76	3.08	7287	1334	587	1489
8	4	4	8	3	5	1706.3	127.76	3.03	7144	1337	587	1486
8	4	4	8	5	3	1709.6	127.76	3.67	7464	1338	589	1472
8	4	4	9	5	5	1713.9	127.76	4.02	7336	1338	589	1467
8	5	4	7	4	3	1702.9	127.76	3.13	7277	1336	588	1489
8	5	4	8	4	5	1706.3	127.76	3.03	7152	1337	587	1486
8	5	4	8	6	3	1709.7	127.76	3.57	7469	1334	588	1472
8	5	4	9	4	5	1713.8	127.76	4.02	7342	1338	589	1467
8	5	4	9	6	3	1717.0	127.76	0.78	7640	1337	591	1458
8	6	2	7	5	3	1700.8	143.69	1.05	7590	1338	589	1480
8	6	2	7	7	1	1703.0	143.69	0.34	7642	1322	585	1469
8	6	2	8	5	3	1707.4	143.69	5.08	7720	1342	592	1463
8	6	2	8	7	1	1708.9	143.69	5.44	7818	1337	591	1456
8	6	2	9	7	3	1715.0	143.69	2.78	7864	1337	592	1448
8	7	2	7	6	1	1701.7	143.69	3.31	7590	1327	586	1469
8	7	2	8	6	3	1707.0	143.69	3.55	7625	1327	586	1463
8	7	2	8	8	1	1709.4	143.69	2.21	7415	1310	581	1456
8	7	2	9	6	3	1714.4	143.69	1.45	7822	1330	590	1448
8	7	2	9	8	1	1715.9	143.69	3.67	7766	1321	586	1445
8	8	0	7	7	1	1701.3	157.92	5.55	7072	1300	577	1464
8	8	0	8	7	1	1707.2	157.92	2.37	7567	1314	583	1458
8	8	0	9	9	1	1715.9	157.92	6.51	7155	1298	577	1452
9	1	8	8	2	7	1703.8	157.92	6.60		1342	586	1443
9	1	8	9	0	9	1704.6	157.92	0.91		1343	586	1435
9	1	8	9	2	7	1711.3	157.92	1.74		1345	588	1458
9	1	8	10	2	9	1713.0	157.92	7.52		1348	588	1452
9	2	8	8	1	7	1703.8	157.92	6.60		1342	586	1443
9	2	8	9	1	9	1704.6	157.92	0.91		1343	586	1435
9	2	8	9	3	7	1711.3	157.92	1.74		1345	588	1432
9	2	8	10	1	9	1713.0	170.45	7.52		1348	588	1451
9	2	8	10	3	7	1719.7	170.45	0.14		1347	590	1444
9	3	6	8	2	7	1698.0	170.45	0.15		1341	587	1437
9	3	6	8	4	5	1703.0	170.45	4.74		1341	588	1435
9	3	6	9	2	7	1705.5	170.45	2.40		1345	589	1428
9	3	6	9	4	5	1710.5	170.45	3.05		1342	590	1444
9	3	6	10	4	7	1713.8	170.45	5.63		1347	591	1437
9	4	6	8	3	5	1703.0	170.45	4.74		1341	588	1435
9	4	6	9	3	7	1705.5	170.45	2.40		1345	589	1428
9	4	6	9	5	5	1710.5	170.45	3.05		1342	590	1427
9	4	6	10	3	7	1713.8	181.29	5.63		1347	591	1441
9	4	6	10	5	5	1718.8	181.29	0.46		1340	591	1434
9	5	4	8	4	5	1698.8	181.29	0.50		1337	589	1431
9	5	4	8	6	3	1702.2	181.29	2.92		1335	589	1426
9	5	4	9	4	5	1706.4	181.29	3.57		1339	590	1423
9	5	4	9	6	3	1709.5	181.29	4.28		1338	593	1434
9	5	4	10	6	5	1714.7	181.29	3.90		1337	591	1431
9	6	4	8	5	3	1702.1	181.29	3.04		1338	591	1426
9	6	4	9	5	5	1706.3	181.29	3.56		1338	590	1423

9	6	4	9	7	3	1709.7	181.29	4.03	1333	590	1420
9	6	4	10	5	5	1714.7	190.39	3.89	1336	591	1428
9	6	4	10	7	3	1717.8	190.39	0.96	1334	593	1418
9	7	2	8	6	3	1700.0	190.39	1.39	1335	591	1419
9	7	2	8	8	1	1702.5	190.39	0.25	1318	586	1411
9	7	2	9	6	3	1707.4	190.39	5.99	1338	595	1413
9	7	2	9	8	1	1709.0	190.39	5.22	1329	592	1418
9	7	2	10	8	3	1715.9	190.39	3.00	1331	593	1419
9	8	2	8	7	1	1700.8	190.39	3.86	1323	587	1411
9	8	2	9	7	3	1706.9	190.39	3.74	1323	588	1413
9	8	2	9	9	1	1709.5	190.39	2.18	1306	581	1405
9	8	2	10	7	3	1715.0	197.71	1.12	1324	591	1406
9	8	2	10	9	1	1716.7	197.71	4.46	1314	586	1392
9	9	0	8	8	1	1700.5	197.71	6.20	1298	577	1399
9	9	0	9	8	1	1707.0	197.71	2.24	1309	583	1375
9	9	0	10	10	1	1716.8	197.71	7.13	1296	577	1393
10	0	10	9	1	9	1703.8	197.72	8.36	1345	587	1388
10	0	10	10	1	9	1712.2	197.72	0.92	1350	589	1400
10	0	10	11	1	11	1713.0	197.72	9.30	1351	589	1387
10	1	10	9	0	9	1703.8	197.72	8.36	1345	587	1394
10	1	10	10	2	9	1712.2	197.72	0.92	1350	589	1367
10	1	10	11	0	11	1713.0	202.81	9.30	1351	589	1354
10	1	10	11	2	9	1721.4	202.81	0.04	1353	591	1353
10	2	8	9	1	9	1696.3	202.81	0.05	1347	588	1335
10	2	8	9	3	7	1703.0	202.81	6.34	1349	590	1303
10	2	8	10	1	9	1704.6	202.81	1.68	1352	590	1337
10	2	8	10	3	7	1711.3	203.27	2.41	1351	592	1338
10	2	8	11	3	9	1713.8	203.27	7.23	1355	593	1374
10	3	8	9	2	7	1703.0	203.27	6.34	1349	590	1378
10	3	8	10	2	9	1704.6	203.27	1.68	1352	590	1354
10	3	8	10	4	7	1711.3	203.27	2.41	1351	592	1331
10	3	8	11	2	9	1713.8	205.98	7.23	1355	593	1373
10	3	8	11	4	7	1720.5	205.98	0.25	1349	593	1414
10	4	6	9	3	7	1697.1	205.98	0.27	1344	590	1323
10	4	6	9	5	5	1702.1	205.98	4.59	1342	591	1388
10	4	6	10	3	7	1705.5	205.98	2.98	1346	592	1368
10	4	6	10	5	5	1710.5	208.25	3.57	1340	592	1421
10	4	6	11	5	7	1714.7	208.25	5.44	1344	593	1406
10	5	6	9	4	5	1702.1	208.25	4.59	1342	591	1449
10	5	6	10	4	7	1705.5	208.25	2.98	1346	592	1361
10	5	6	10	6	5	1710.5	208.25	3.57	1340	592	1425
10	5	6	11	4	7	1714.7	211.12	5.44	1345	593	1472
10	5	6	11	6	5	1719.7	211.12	0.61	1336	593	1520
10	6	4	9	5	5	1698.0	211.12	0.64	1336	592	1447
10	6	4	9	7	3	1701.4	211.12	2.70	1331	592	1496
10	6	4	10	5	5	1706.4	211.12	4.05	1334	593	1473
10	6	4	10	7	3	1709.5	129.37	4.93	1332	595	1483
10	6	4	11	7	5	1715.6	129.37	3.76	1331	594	1481
10	7	4	9	6	3	1701.2	129.37	2.94	1335	593	1464
10	7	4	10	6	5	1706.3	129.37	4.03	1334	592	1461
10	7	4	10	8	3	1709.7	129.37	4.41	1327	592	1483
10	7	4	11	6	5	1715.5	129.37	3.73	1330	593	1481
10	7	4	11	8	3	1718.5	129.37	1.17	1326	595	1464
10	8	2	9	7	3	1699.3	129.37	1.81	1329	593	1461

10	8	2	9	9	1	1701.9	129.37	0.19	1312	587	1449
10	8	2	10	7	3	1707.4	146.99	6.68	1330	596	1470
10	8	2	10	9	1	1709.1	146.99	4.85	1320	592	1456
10	8	2	11	9	3	1716.9	146.99	3.29	1320	594	1451
10	9	2	9	8	1	1699.9	146.99	4.44	1316	587	1442
10	9	2	10	8	3	1706.8	146.99	3.83	1317	588	1436
10	9	2	10	10	1	1709.7	146.99	2.12	1302	582	1456
10	9	2	11	8	3	1715.6	146.99	0.84	1316	592	1451
10	9	2	11	10	1	1717.6	146.99	5.18	1307	586	1442
10	10	0	9	9	1	1699.6	146.99	6.77	1296	577	1436
10	10	0	10	9	1	1706.8	146.99	2.14	1303	582	1430
10	10	0	11	11	1	1717.7	162.91	7.66	1293	577	1450
11	1	10	10	2	9	1703.0	162.91	7.97	1355	591	1444
11	1	10	11	0	11	1703.8	162.91	0.88	1356	592	1435
11	1	10	11	2	9	1712.2	162.91	1.69	1358	593	1427
11	1	10	12	2	11	1713.8	162.91	8.87	1360	594	1418
11	2	10	10	1	9	1703.0	162.91	7.97	1355	591	1444
11	2	10	11	1	11	1703.8	162.91	0.88	1356	592	1435
11	2	10	11	3	9	1712.2	162.91	1.69	1358	593	1427
11	2	10	12	1	11	1713.8	162.91	8.87	1360	594	1418
11	2	10	12	3	9	1722.2	162.91	0.12	1356	595	1415
11	3	8	10	2	9	1695.4	177.13	0.12	1352	592	1435
11	3	8	10	4	7	1702.1	177.13	6.08	1351	593	1429
11	3	8	11	2	9	1704.6	177.13	2.33	1355	594	1422
11	3	8	11	4	7	1711.3	177.13	2.99	1349	594	1419
11	3	8	12	4	9	1714.7	177.13	6.94	1354	595	1410
11	4	8	10	3	7	1702.1	177.13	6.08	1351	593	1429
11	4	8	11	3	9	1704.6	177.13	2.33	1355	594	1422
11	4	8	11	5	7	1711.3	177.13	2.99	1349	594	1419
11	4	8	12	3	9	1714.7	177.13	6.94	1354	595	1410
11	4	8	12	5	7	1721.4	177.13	0.37	1345	595	1412
11	5	6	10	4	7	1696.3	189.66	0.38	1343	593	1429
11	5	6	10	6	5	1701.3	189.66	4.42	1338	593	1426
11	5	6	11	4	7	1705.5	189.66	3.47	1342	594	1419
11	5	6	11	6	5	1710.5	189.66	4.03	1334	594	1418
11	5	6	12	6	7	1715.5	189.66	5.24	1338	595	1412
11	6	6	10	5	5	1701.3	189.66	4.42	1337	593	1426
11	6	6	11	5	7	1705.5	189.66	3.47	1342	594	1419
11	6	6	11	7	5	1710.5	189.66	4.03	1334	594	1418
11	6	6	12	5	7	1715.5	189.66	5.24	1338	595	1412
11	6	6	12	7	5	1720.5	189.66	0.74	1327	594	1412
11	7	4	10	6	5	1697.2	200.48	0.77	1330	593	1424
11	7	4	10	8	3	1700.6	200.48	2.40	1323	593	1419
11	7	4	11	6	5	1706.4	200.48	4.50	1326	594	1416
11	7	4	11	8	3	1709.4	200.48	5.64	1321	596	1412
11	7	4	12	8	5	1716.4	200.48	3.59	1319	595	1409
11	8	4	10	7	3	1700.3	200.48	2.86	1327	595	1419
11	8	4	11	7	5	1706.3	200.48	4.44	1325	594	1416
11	8	4	11	9	3	1709.7	200.48	4.69	1317	592	1412
11	8	4	12	7	5	1716.3	200.48	3.53	1318	594	1409
11	8	4	12	9	3	1719.2	200.48	1.40	1310	596	1407
11	9	2	10	8	3	1698.6	209.56	2.31	1318	593	1413
11	9	2	10	10	1	1701.4	209.56	0.15	1304	587	1405
11	9	2	11	8	3	1707.4	209.56	7.01	1317	597	1407

11	9	2	11	10	1	1709.3	209.56	4.44	1309	591	1398
11	9	2	12	10	3	1717.8	209.56	3.66	1307	593	1401
11	10	2	10	9	1	1699.0	209.56	5.01	1307	586	1405
11	10	2	11	9	3	1706.7	209.56	3.82	1308	588	1407
11	10	2	11	11	1	1709.8	209.56	2.04	1297	581	1399
11	10	2	12	9	3	1716.2	209.56	0.62	1302	592	1401
11	10	2	12	11	1	1718.4	209.56	5.81	1298	585	1394
11	11	0	10	10	1	1698.7	216.83	7.24	1293	577	1391
11	11	0	11	10	1	1706.6	216.83	2.04	1298	582	1374
11	11	0	12	12	1	1718.5	216.83	8.10	1290	577	1383
12	0	12	11	1	11	1703.0	216.83	9.65	1358	592	1354
12	0	12	12	1	11	1713.0	216.83	0.88	1361	594	1376
12	0	12	13	1	13	1713.8	216.84	10.56	1362	595	1368
12	1	12	11	0	11	1703.0	216.84	9.65	1358	592	1387
12	1	12	12	2	11	1713.0	216.84	0.88	1361	594	1371
12	1	12	13	0	13	1713.8	216.84	10.56	1362	595	1379
12	1	12	13	2	11	1723.9	216.84	0.04	1360	596	1349
12	2	10	11	1	11	1693.8	221.73	0.04	1357	593	1335
12	2	10	11	3	9	1702.1	221.73	7.59	1358	595	1339
12	2	10	12	1	11	1703.8	221.73	1.61	1360	595	1314
12	2	10	12	3	9	1712.2	221.73	2.33	1357	596	1292
12	2	10	13	3	11	1714.7	221.73	8.45	1360	597	1322
12	3	10	11	2	9	1702.1	222.40	7.59	1358	595	1327
12	3	10	12	2	11	1703.8	222.40	1.61	1360	595	1361
12	3	10	12	4	9	1712.2	222.40	2.33	1357	596	1372
12	3	10	13	2	11	1714.7	222.40	8.45	1360	597	1339
12	3	10	13	4	9	1723.0	222.40	0.20	1353	597	1327
12	4	8	11	3	9	1694.5	225.10	0.21	1352	595	1373
12	4	8	11	5	7	1701.3	225.10	5.82	1347	595	1419
12	4	8	12	3	9	1704.6	225.10	2.87	1351	596	1326
12	4	8	12	5	7	1711.3	225.10	3.47	1343	596	1393
12	4	8	13	5	9	1715.5	225.10	6.64	1347	597	1373
12	5	8	11	4	7	1701.3	227.62	5.82	1347	595	1424
12	5	8	12	4	9	1704.6	227.62	2.87	1351	596	1407
12	5	8	12	6	7	1711.3	227.62	3.47	1343	596	1451
12	5	8	13	4	9	1715.5	227.62	6.64	1347	597	1362
12	5	8	13	6	7	1722.2	227.62	0.49	1336	596	1428
12	6	6	11	5	7	1695.5	130.13	0.50	1337	594	1480
12	6	6	11	7	5	1700.5	130.13	4.23	1328	594	1459
12	6	6	12	5	7	1705.5	130.13	3.89	1332	595	1458
12	6	6	12	7	5	1710.5	130.13	4.42	1321	595	1480
12	6	6	13	7	7	1716.4	130.13	5.02	1326	595	1459
12	7	6	11	6	5	1700.5	130.13	4.23	1328	594	1458
12	7	6	12	6	7	1705.5	130.13	3.89	1332	595	1443
12	7	6	12	8	5	1710.5	149.44	4.41	1322	595	1464
12	7	6	13	6	7	1716.4	149.44	5.02	1326	595	1447
12	7	6	13	8	5	1721.3	149.44	0.86	1313	595	1444
12	8	4	11	7	5	1696.5	149.44	0.89	1319	595	1431
12	8	4	11	9	3	1699.9	149.44	2.04	1311	594	1427
12	8	4	12	7	5	1706.5	149.44	4.91	1312	595	1447
12	8	4	12	9	3	1709.3	149.44	6.39	1304	597	1444
12	8	4	13	9	5	1717.3	149.44	3.41	1304	595	1431
12	9	4	11	8	3	1699.3	149.44	2.81	1313	596	1427
12	9	4	12	8	5	1706.3	149.44	4.78	1311	594	1415

12	9	4	12	10	3	1709.8	167.05	4.86	1304	592	1437
12	9	4	13	8	5	1717.2	167.05	3.28	1303	594	1425
12	9	4	13	10	3	1719.9	167.05	1.69	1295	595	1419
12	10	2	11	9	3	1697.8	167.05	2.88	1307	592	1410
12	10	2	11	11	1	1700.9	167.05	0.12	1296	586	1402
12	10	2	12	9	3	1707.3	167.05	6.94	1300	596	1425
12	10	2	12	11	1	1709.5	167.05	4.09	1297	589	1419
12	10	2	13	11	3	1718.8	167.05	4.09	1294	591	1410
12	11	2	11	10	1	1698.1	167.05	5.52	1299	585	1402
12	11	2	12	10	3	1706.6	167.05	3.74	1298	588	1397
12	11	2	12	12	1	1710.0	182.96	1.95	1292	581	1419
12	11	2	13	10	3	1716.7	182.96	0.47	1289	591	1414
12	11	2	13	12	1	1719.3	182.96	6.33	1291	584	1405
12	12	0	11	11	1	1697.9	182.96	7.61	1290	577	1402
12	12	0	12	11	1	1706.4	182.96	1.94	1291	581	1393
12	12	0	13	13	1	1719.4	182.96	8.45	1287	576	1414
13	1	12	12	2	11	1702.1	182.96	9.13	1362	596	1405
13	1	12	13	0	13	1703.0	182.96	0.83	1363	596	1402
13	1	12	13	2	11	1713.0	182.96	1.61	1361	597	1393
13	1	12	14	2	13	1714.7	182.96	10.00	1363	598	1394
13	2	12	12	1	11	1702.1	197.18	9.13	1362	596	1413
13	2	12	13	1	13	1703.0	197.18	0.83	1363	596	1411
13	2	12	13	3	11	1713.0	197.18	1.61	1361	597	1402
13	2	12	14	1	13	1714.7	197.18	10.00	1363	598	1403
13	2	12	14	3	11	1724.7	197.18	0.09	1358	599	1394
13	3	10	12	2	11	1692.9	197.18	0.09	1358	597	1411
13	3	10	12	4	9	1701.3	197.18	7.21	1355	597	1402
13	3	10	13	2	11	1703.8	197.18	2.22	1357	598	1403
13	3	10	13	4	9	1712.2	197.18	2.87	1351	598	1394
13	3	10	14	4	11	1715.5	197.18	8.03	1354	599	1398
13	4	10	12	3	9	1701.3	209.70	7.21	1355	597	1412
13	4	10	13	3	11	1703.8	209.70	2.22	1357	598	1411
13	4	10	13	5	9	1712.2	209.70	2.87	1351	598	1404
13	4	10	14	3	11	1715.5	209.70	8.03	1354	599	1405
13	4	10	14	5	9	1723.9	209.70	0.30	1344	598	1398
13	5	8	12	4	9	1693.8	209.70	0.30	1345	596	1411
13	5	8	12	6	7	1700.5	209.70	5.55	1337	596	1404
13	5	8	13	4	9	1704.7	209.70	3.33	1342	598	1405
13	5	8	13	6	7	1711.3	209.70	3.87	1330	597	1398
13	5	8	14	6	9	1716.3	209.70	6.33	1335	598	1399
13	6	8	12	5	7	1700.5	220.50	5.55	1337	596	1410
13	6	8	13	5	9	1704.7	220.50	3.33	1342	598	1407
13	6	8	13	7	7	1711.3	220.50	3.87	1330	597	1404
13	6	8	14	5	9	1716.3	220.50	6.33	1335	598	1401
13	6	8	14	7	7	1723.0	220.50	0.60	1323	596	1399
13	7	6	12	6	7	1694.7	220.50	0.61	1325	595	1407
13	7	6	12	8	5	1699.6	220.50	4.02	1314	595	1404
13	7	6	13	6	7	1705.5	220.50	4.24	1318	595	1401
13	7	6	13	8	5	1710.4	220.50	4.75	1305	595	1399
13	7	6	14	8	7	1717.2	220.50	4.79	1311	595	1396
13	8	6	12	7	5	1699.6	229.55	4.02	1313	595	1401
13	8	6	13	7	7	1705.5	229.55	4.24	1318	596	1393
13	8	6	13	9	5	1710.5	229.55	4.74	1306	595	1396
13	8	6	14	7	7	1717.2	229.55	4.79	1311	595	1386

13	8	6	14	9	5	1722.1	229.55	0.96	1297	595	1391
13	9	4	12	8	5	1695.7	229.55	1.00	1302	595	1394
13	9	4	12	10	3	1699.2	229.55	1.65	1294	593	1396
13	9	4	13	8	5	1706.5	229.55	5.31	1293	595	1387
13	9	4	13	10	3	1709.3	229.55	7.08	1285	596	1391
13	9	4	14	10	5	1718.2	229.55	3.22	1287	595	1379
13	10	4	12	9	3	1698.3	236.76	2.82	1297	595	1375
13	10	4	13	9	5	1706.3	236.76	5.05	1297	593	1358
13	10	4	13	11	3	1709.8	236.76	4.92	1291	591	1367
13	10	4	14	9	5	1718.0	236.76	2.98	1288	593	1336
13	10	4	14	11	3	1720.6	236.76	2.04	1279	593	1361
13	11	2	12	10	3	1697.1	236.79	3.46	1291	591	1351
13	11	2	12	12	1	1700.5	236.79	0.10	1285	584	1372
13	11	2	13	10	3	1707.2	236.79	6.56	1282	594	1358
13	11	2	13	12	1	1709.7	236.79	3.80	1284	587	1364
13	11	2	14	12	3	1719.7	236.79	4.54	1279	589	1333
13	12	2	12	11	1	1697.2	241.45	5.95	1290	584	1320
13	12	2	13	11	3	1706.5	241.45	3.61	1288	586	1331
13	12	2	13	13	1	1710.2	241.45	1.86	1286	580	1298
13	12	2	14	11	3	1717.2	241.45	0.36	1275	589	1284
13	12	2	14	13	1	1720.1	241.45	6.74	1283	583	1310
13	13	0	12	12	1	1697.0	242.36	7.90	1287	576	1323
13	13	0	13	12	1	1706.3	242.36	1.84	1286	580	1353
13	13	0	14	14	1	1720.3	242.36	8.71	1284	576	1370
14	0	14	13	1	13	1702.1	242.36	10.71	1364	597	1327
14	0	14	14	1	13	1713.9	242.36	0.84	1364	598	1328
14	0	14	15	1	15	1714.7	245.11	11.60	1364	599	1375
14	1	14	13	0	13	1702.1	245.11	10.71	1364	597	1423
14	1	14	14	2	13	1713.9	245.11	0.84	1364	598	1330
14	1	14	15	0	15	1714.7	245.11	11.60	1364	599	1399
14	1	14	15	2	13	1726.4	245.11	0.03	1361	600	1377
14	2	12	13	1	13	1691.3	151.04	0.03	1362	597	1441
14	2	12	13	3	11	1701.3	151.04	8.61	1360	598	1439
14	2	12	14	1	13	1703.0	151.04	1.53	1361	599	1424
14	2	12	14	3	11	1713.0	151.04	2.23	1356	600	1421
14	2	12	15	3	13	1715.5	151.04	9.44	1358	601	1441
14	3	12	13	2	11	1701.3	151.04	8.61	1360	598	1439
14	3	12	14	2	13	1703.0	151.04	1.53	1361	599	1424
14	3	12	14	4	11	1713.0	151.04	2.23	1356	600	1421
14	3	12	15	2	13	1715.5	151.04	9.44	1358	601	1404
14	3	12	15	4	11	1725.6	170.34	0.17	1349	600	1429
14	4	10	13	3	11	1692.1	170.34	0.17	1352	598	1411
14	4	10	13	5	9	1700.5	170.34	6.83	1345	599	1406
14	4	10	14	3	11	1703.8	170.34	2.73	1348	600	1395
14	4	10	14	5	9	1712.2	170.34	3.32	1338	599	1389
14	4	10	15	5	11	1716.3	170.34	7.61	1341	600	1411
14	5	10	13	4	9	1700.5	170.34	6.83	1345	599	1406
14	5	10	14	4	11	1703.8	170.34	2.73	1348	600	1395
14	5	10	14	6	9	1712.2	170.34	3.32	1338	599	1389
14	5	10	15	4	11	1716.3	170.34	7.61	1341	600	1382
14	5	10	15	6	9	1724.7	187.94	0.39	1331	599	1404
14	6	8	13	5	9	1693.0	187.94	0.40	1334	598	1396
14	6	8	13	7	7	1699.6	187.94	5.27	1322	597	1388
14	6	8	14	5	9	1704.7	187.94	3.70	1327	598	1384

14	6	8	14	7	7	1711.3	187.94	4.20	1315	596	1375
14	6	8	15	7	9	1717.2	187.94	6.02	1319	598	1396
14	7	8	13	6	7	1699.6	187.94	5.27	1322	597	1388
14	7	8	14	6	9	1704.7	187.94	3.70	1327	598	1384
14	7	8	14	8	7	1711.3	187.94	4.20	1316	597	1375
14	7	8	15	6	9	1717.2	187.94	6.02	1319	598	1375
14	7	8	15	8	7	1723.8	203.85	0.70	1307	596	1395
14	8	6	13	7	7	1693.8	203.85	0.71	1311	595	1392
14	8	6	13	9	5	1698.8	203.85	3.78	1299	594	1383
14	8	6	14	7	7	1705.5	203.85	4.53	1304	595	1384
14	8	6	14	9	5	1710.4	203.85	5.03	1290	594	1374
14	8	6	15	9	7	1718.0	203.85	4.55	1296	594	1392
14	9	6	13	8	5	1698.8	203.85	3.80	1298	594	1383
14	9	6	14	8	7	1705.5	203.85	4.53	1304	595	1384
14	9	6	14	10	5	1710.4	203.85	5.01	1293	594	1374
14	9	6	15	8	7	1718.0	203.85	4.54	1296	594	1378
14	9	6	15	10	5	1722.8	218.06	1.05	1282	593	1395
14	10	4	13	9	5	1695.0	218.06	1.11	1284	594	1396
14	10	4	13	11	3	1698.5	218.06	1.28	1279	592	1386
14	10	4	14	9	5	1706.5	218.06	5.74	1276	594	1390
14	10	4	14	11	3	1709.2	218.06	7.55	1266	594	1380
14	10	4	15	11	5	1719.2	218.06	3.06	1268	593	1396
14	11	4	13	10	3	1697.4	218.06	2.89	1280	594	1386
14	11	4	14	10	5	1706.3	218.06	5.23	1282	592	1390
14	11	4	14	12	3	1709.9	218.06	4.88	1277	589	1380
14	11	4	15	10	5	1718.7	218.06	2.62	1271	591	1385
14	11	4	15	12	3	1721.3	230.56	2.45	1262	591	1399
14	12	2	13	11	3	1696.3	230.56	4.02	1280	589	1399
14	12	2	13	13	1	1700.0	230.56	0.09	1279	583	1393
14	12	2	14	11	3	1707.0	230.56	6.00	1268	591	1394
14	12	2	14	13	1	1709.9	230.56	3.56	1276	586	1388
14	12	2	15	13	3	1720.7	230.56	4.98	1269	587	1399
14	13	2	13	12	1	1696.3	230.56	6.29	1283	583	1393
14	13	2	14	12	3	1706.3	230.56	3.45	1278	585	1394
14	13	2	14	14	1	1710.3	230.56	1.76	1281	579	1388
14	13	2	15	12	3	1717.7	230.56	0.29	1263	586	1390
14	13	2	15	14	1	1721.0	241.34	7.06	1276	582	1399
14	14	0	13	13	1	1696.1	241.34	8.10	1284	576	1396
14	14	0	14	13	1	1706.1	241.34	1.74	1281	579	1394
14	14	0	15	15	1	1721.1	241.34	8.88	1282	575	1391
15	1	14	14	2	13	1701.3	241.34	10.05	1363	600	1390
15	1	14	15	0	15	1702.1	241.34	0.78	1363	600	1396
15	1	14	15	2	13	1713.9	241.34	1.53	1359	601	1394
15	1	14	16	2	15	1715.5	241.34	10.89	1360	602	1392
15	2	14	14	1	13	1701.3	241.34	10.05	1363	600	1390
15	2	14	15	1	15	1702.1	241.34	0.78	1363	600	1386
15	2	14	15	3	13	1713.9	250.37	1.53	1359	601	1391
15	2	14	16	1	15	1715.5	250.37	10.89	1360	602	1381
15	2	14	16	3	13	1727.2	250.37	0.08	1352	602	1385
15	3	12	14	2	13	1690.4	250.37	0.08	1356	600	1372
15	3	12	14	4	11	1700.5	250.37	8.11	1350	601	1380
15	3	12	15	2	13	1703.0	250.37	2.10	1352	601	1380
15	3	12	15	4	11	1713.0	250.37	2.72	1343	601	1385
15	3	12	15	4	13	1716.3	250.37	8.89	1345	602	1374

15	4	12	14	3	11	1700.5	250.37	8.11	1350	601	1380
15	4	12	15	3	13	1703.0	250.37	2.10	1352	601	1367
15	4	12	15	5	11	1713.0	257.51	2.72	1343	601	1361
15	4	12	15	3	13	1716.3	257.51	8.89	1345	602	1347
15	4	12	16	5	11	1726.4	257.51	0.24	1336	601	1352
15	5	10	14	4	11	1691.3	257.51	0.24	1339	600	1321
15	5	10	14	6	9	1699.6	257.51	6.45	1330	599	1349
15	5	10	15	4	11	1703.8	257.56	3.14	1332	600	1336
15	5	10	15	6	9	1712.2	257.56	3.67	1322	599	1360
15	5	10	16	6	11	1717.2	257.56	7.19	1325	600	1348
15	6	10	14	5	9	1699.6	257.56	6.45	1330	599	1353
15	6	10	15	5	11	1703.8	257.56	3.14	1332	600	1318
15	6	10	15	7	9	1712.2	261.98	3.67	1322	599	1309
15	6	10	15	5	11	1717.2	261.98	7.19	1325	600	1326
15	6	10	16	7	9	1725.5	261.98	0.49	1314	598	1280
15	7	8	14	6	9	1692.1	261.98	0.49	1321	597	1282
15	7	8	14	8	7	1698.8	261.98	4.99	1310	596	1300
15	7	8	15	6	9	1704.7	263.16	3.99	1313	597	1323
15	7	8	15	8	7	1711.3	263.16	4.46	1302	595	1348
15	7	8	16	8	9	1718.0	263.16	5.69	1305	596	1370
15	8	8	14	7	7	1698.8	263.16	4.99	1310	596	1318
15	8	8	15	7	9	1704.7	263.16	3.99	1313	597	1334
15	8	8	15	9	7	1711.3	151.78	4.46	1302	595	1438
15	8	8	16	7	9	1718.0	151.78	5.69	1305	596	1420
15	8	8	16	9	7	1724.6	151.78	0.79	1291	594	1418
15	9	6	14	8	7	1693.0	151.78	0.80	1295	594	1438
15	9	6	14	10	5	1697.9	151.78	3.53	1284	593	1420
15	9	6	15	8	7	1705.5	151.78	4.76	1287	593	1418
15	9	6	15	10	5	1710.3	151.78	5.27	1273	592	1398
15	9	6	16	10	7	1718.9	172.77	4.28	1277	592	1423
15	10	6	14	9	5	1697.9	172.77	3.56	1282	593	1401
15	10	6	15	9	7	1705.5	172.77	4.76	1288	594	1398
15	10	6	15	11	5	1710.4	172.77	5.21	1274	592	1384
15	10	6	16	9	7	1718.9	172.77	4.28	1277	593	1379
15	10	6	16	11	5	1723.6	172.77	1.13	1261	591	1401
15	11	4	14	10	5	1694.3	172.77	1.23	1268	593	1398
15	11	4	14	12	3	1697.9	172.77	0.97	1263	590	1384
15	11	4	15	10	5	1706.7	172.77	6.21	1257	592	1379
15	11	4	15	12	3	1709.3	172.77	7.70	1248	591	1370
15	11	4	16	12	5	1720.1	192.07	2.93	1248	590	1391
15	12	4	14	11	3	1696.4	192.07	3.02	1263	591	1381
15	12	4	15	11	5	1706.3	192.07	5.33	1265	590	1374
15	12	4	15	13	3	1710.0	192.07	4.75	1264	587	1368
15	12	4	16	11	5	1719.5	192.07	2.21	1252	589	1360
15	12	4	16	13	3	1722.0	192.07	2.90	1248	588	1381
15	13	2	14	12	3	1695.5	192.07	4.51	1270	586	1374
15	13	2	14	14	1	1699.5	192.07	0.08	1273	581	1368
15	13	2	15	12	3	1706.8	192.07	5.42	1255	588	1360
15	13	2	15	14	1	1710.1	192.07	3.33	1268	584	1358
15	13	2	16	14	3	1721.6	209.67	5.36	1260	584	1378
15	14	2	14	13	1	1695.4	209.67	6.55	1276	582	1373
15	14	2	15	13	3	1706.2	209.67	3.27	1269	583	1365
15	14	2	15	15	1	1710.5	209.67	1.65	1277	578	1365
15	14	2	16	13	3	1718.1	209.67	0.24	1254	584	1355

15	14	2	16	15	1	1721.8	209.67	7.29	1270	580	1373
15	15	0	14	14	1	1695.3	209.67	8.22	1282	575	1365
15	15	0	15	14	1	1705.9	209.67	1.63	1277	578	1365
15	15	0	15	16	1	1722.0	209.67	8.97	1280	575	1355
16	0	16	15	1	15	1701.3	209.67	11.54	1363	600	1358
16	0	16	16	1	15	1714.7	225.57	0.79	1360	602	1375
16	0	16	17	1	17	1715.5	225.57	12.39	1360	602	1376
16	1	16	15	0	15	1701.3	225.57	11.54	1363	600	1367
16	1	16	16	2	15	1714.7	225.57	0.79	1360	602	1370
16	1	16	17	0	17	1715.5	225.57	12.39	1360	602	1360
16	1	16	17	2	15	1728.9	225.57	0.02	1353	602	1376
16	2	14	15	1	15	1698.7	225.57	0.02	1357	601	1367
16	2	14	15	3	13	1700.5	225.57	9.40	1354	602	1370
16	2	14	15	1	15	1702.1	225.57	1.43	1354	603	1360
16	2	14	16	3	13	1713.9	225.57	2.10	1346	603	1365
16	2	14	17	3	15	1716.3	239.77	10.20	1347	603	1381
16	3	14	15	2	13	1700.5	239.77	9.40	1354	602	1385
16	3	14	16	2	15	1702.1	239.77	1.43	1354	603	1375
16	3	14	16	4	13	1713.9	239.77	2.10	1346	603	1380
16	3	14	17	2	15	1716.3	239.77	10.20	1347	603	1370
16	3	14	17	4	13	1728.1	239.77	0.14	1339	603	1385
16	4	12	15	3	13	1689.6	239.77	0.13	1344	602	1375
16	4	12	15	5	11	1699.6	239.77	7.61	1335	601	1380
16	4	12	16	3	13	1703.0	239.77	2.56	1337	602	1370
16	4	12	16	5	11	1713.0	239.77	3.12	1328	601	1376
16	4	12	17	5	13	1717.2	252.26	8.35	1330	602	1389
16	5	12	15	4	11	1699.6	252.26	7.61	1335	601	1390
16	5	12	16	4	13	1703.0	252.26	2.56	1337	602	1384
16	5	12	16	6	11	1713.0	252.26	3.12	1328	601	1385
16	5	12	17	4	13	1717.2	252.26	8.35	1330	602	1379
16	5	12	17	6	11	1727.2	252.26	0.32	1319	600	1390
16	6	10	15	5	11	1690.4	252.26	0.32	1326	600	1384
16	6	10	15	7	9	1698.8	252.26	6.07	1316	598	1385
16	6	10	16	5	11	1703.8	252.26	3.46	1319	599	1379
16	6	10	16	7	9	1712.2	252.26	3.95	1308	598	1381
16	6	10	17	7	11	1718.0	263.02	6.77	1311	599	1390
16	7	10	15	6	9	1698.8	263.02	6.07	1316	598	1387
16	7	10	16	6	11	1703.8	263.02	3.46	1319	599	1385
16	7	10	16	8	9	1712.2	263.02	3.95	1308	598	1382
16	7	10	17	6	11	1718.0	263.02	6.77	1311	599	1381
16	7	10	17	8	9	1726.3	263.02	0.57	1298	597	1387
16	8	8	15	7	9	1691.3	263.02	0.57	1303	596	1385
16	8	8	15	9	7	1698.0	263.02	4.69	1292	595	1382
16	8	8	16	7	9	1704.7	263.02	4.22	1295	596	1381
16	8	8	16	9	7	1711.3	263.02	4.65	1281	593	1378
16	8	8	17	9	9	1718.9	272.01	5.37	1285	595	1379
16	9	8	15	8	7	1698.0	272.01	4.69	1292	595	1368
16	9	8	16	8	9	1704.7	272.01	4.22	1296	596	1374
16	9	8	16	10	7	1711.3	272.01	4.65	1282	594	1361
16	9	8	17	8	9	1718.9	272.01	5.37	1285	595	1370
16	9	8	17	10	7	1725.5	272.01	0.87	1271	592	1367
16	10	6	15	9	7	1692.2	272.01	0.87	1277	592	1375
16	10	6	15	11	5	1697.1	272.01	3.25	1263	591	1363
16	10	6	16	9	7	1705.6	272.01	4.93	1266	591	1370

16	10	6	16	11	5	1710.3	272.01	5.47	1250	589	1357
16	10	6	17	11	7	1719.7	279.05	4.01	1256	590	1348
16	11	6	15	10	5	1697.0	279.05	3.31	1263	591	1335
16	11	6	16	10	7	1705.6	279.05	4.93	1267	592	1341
16	11	6	16	12	5	1710.4	279.05	5.35	1253	589	1304
16	11	6	17	10	7	1719.7	279.05	4.01	1256	590	1339
16	11	6	17	12	5	1724.3	279.14	1.19	1238	588	1322
16	12	4	15	11	5	1693.6	279.14	1.37	1247	590	1350
16	12	4	15	13	3	1697.4	279.14	0.73	1246	587	1340
16	12	4	16	11	5	1706.8	279.14	6.70	1233	589	1343
16	12	4	16	13	3	1709.3	279.14	7.48	1230	588	1304
16	12	4	17	13	5	1721.1	283.32	2.86	1231	587	1303
16	13	4	15	12	3	1695.4	283.32	3.21	1248	588	1325
16	13	4	16	12	5	1706.3	283.32	5.33	1248	587	1268
16	13	4	16	14	3	1710.1	283.32	4.56	1253	585	1286
16	13	4	17	12	5	1720.1	283.32	1.80	1233	586	1296
16	13	4	17	14	3	1722.7	174.36	3.37	1234	585	1395
16	14	2	15	13	3	1694.7	174.36	4.89	1259	584	1393
16	14	2	15	15	1	1699.0	174.36	0.07	1266	580	1376
16	14	2	16	13	3	1706.6	174.36	4.91	1243	585	1373
16	14	2	16	15	1	1710.3	174.36	3.12	1259	582	1395
16	14	2	17	15	3	1722.5	174.36	5.66	1249	582	1393
16	15	2	15	14	1	1694.6	174.36	6.72	1270	580	1376
16	15	2	16	14	3	1706.0	174.36	3.07	1262	582	1373
16	15	2	16	16	1	1710.7	174.36	1.55	1274	577	1361
16	15	2	17	14	3	1718.6	195.34	0.20	1244	582	1382
16	15	2	17	16	1	1722.7	195.34	7.43	1266	579	1368
16	16	0	15	15	1	1694.4	195.34	8.26	1280	575	1363
16	16	0	16	15	1	1705.7	195.34	1.53	1274	577	1354
16	16	0	17	17	1	1722.9	195.34	8.98	1278	574	1348
17	1	16	16	2	15	1700.5	195.34	10.74	1354	603	1368
17	1	16	17	0	17	1701.3	195.34	0.73	1354	604	1363
17	1	16	17	2	15	1714.7	195.34	1.43	1347	604	1354
17	1	16	18	2	17	1716.3	195.34	11.54	1347	604	1340
17	2	16	16	1	15	1700.5	195.34	10.74	1354	603	1344
17	2	16	17	1	17	1701.3	214.63	0.73	1354	604	1363
17	2	16	17	3	15	1714.7	214.63	1.43	1347	604	1356
17	2	16	18	1	17	1716.3	214.63	11.54	1347	604	1349
17	2	16	18	3	15	1729.7	214.63	0.06	1340	604	1347
17	3	14	16	2	15	1687.9	214.63	0.06	1346	603	1339
17	3	14	16	4	13	1699.6	214.63	8.78	1338	603	1356
17	3	14	17	2	15	1702.1	214.63	1.96	1339	604	1349
17	3	14	17	4	13	1713.9	214.63	2.55	1331	603	1347
17	3	14	18	4	15	1717.2	214.63	9.53	1332	604	1339
17	4	14	16	3	13	1699.6	214.63	8.78	1338	603	1340
17	4	14	17	3	15	1702.1	232.23	1.96	1339	604	1356
17	4	14	17	5	13	1713.9	232.23	2.55	1331	603	1356
17	4	14	18	3	15	1717.2	232.23	9.53	1332	604	1347
17	4	14	18	5	13	1728.9	232.23	0.20	1323	603	1349
17	5	12	16	4	13	1688.8	232.23	0.20	1331	602	1340
17	5	12	16	6	11	1698.8	232.23	7.12	1322	600	1356
17	5	12	17	4	13	1703.0	232.23	2.93	1324	602	1347
17	5	12	17	6	11	1713.0	232.23	3.43	1314	600	1349
17	5	12	18	6	13	1718.0	232.23	7.82	1316	601	1340

17	6	12	16	5	11	1698.8	232.23	7.12	1322	600	1345
17	6	12	17	5	13	1703.0	248.12	2.93	1324	602	1361
17	6	12	17	7	11	1713.0	248.12	3.43	1314	600	1365
17	6	12	18	5	13	1718.0	248.12	7.82	1316	601	1355
17	6	12	18	7	11	1728.0	248.12	0.40	1303	599	1360
17	7	10	16	6	11	1689.6	248.12	0.39	1309	599	1349
17	7	10	16	8	9	1698.0	248.12	5.69	1298	597	1365
17	7	10	17	6	11	1703.8	248.12	3.71	1300	598	1355
17	7	10	17	8	9	1712.1	248.12	4.15	1287	596	1360
17	7	10	18	8	11	1718.9	248.12	6.35	1289	597	1349
17	8	10	16	7	9	1698.0	248.12	5.69	1298	597	1357
17	8	10	17	7	11	1703.8	262.30	3.71	1300	598	1371
17	8	10	17	9	9	1712.1	262.30	4.15	1287	596	1376
17	8	10	18	7	11	1718.9	262.30	6.35	1289	597	1366
17	8	10	18	9	9	1727.2	262.30	0.65	1276	594	1371
17	9	8	16	8	9	1690.5	262.30	0.64	1285	595	1362
17	9	8	16	10	7	1697.1	262.30	4.40	1271	593	1376
17	9	8	17	8	9	1704.7	262.30	4.38	1274	594	1366
17	9	8	17	10	7	1711.3	262.30	4.79	1260	591	1371
17	9	8	18	10	9	1719.7	262.30	5.03	1263	592	1362
17	10	8	16	9	7	1697.1	262.30	4.40	1271	592	1367
17	10	8	17	9	9	1704.7	274.78	4.38	1274	594	1380
17	10	8	17	11	7	1711.3	274.78	4.79	1260	591	1381
17	10	8	18	9	9	1719.7	274.78	5.03	1263	592	1375
17	10	8	18	11	7	1726.3	274.78	0.93	1254	589	1377
17	11	6	16	10	7	1691.4	274.78	0.93	1258	590	1371
17	11	6	16	12	5	1696.3	274.78	2.95	1244	587	1381
17	11	6	17	10	7	1705.6	274.78	5.06	1247	588	1375
17	11	6	17	12	5	1710.2	274.78	5.65	1229	586	1377
17	11	6	18	12	7	1720.6	274.78	3.73	1241	587	1371
17	12	6	16	11	5	1696.1	274.78	3.05	1242	588	1374
17	12	6	17	11	7	1705.6	285.52	5.04	1248	588	1380
17	12	6	17	13	5	1710.4	285.52	5.42	1240	586	1377
17	12	6	18	11	7	1720.6	285.52	3.72	1241	586	1376
17	12	6	18	13	5	1725.0	285.52	1.24	1222	584	1373
17	13	4	16	12	5	1693.0	285.52	1.54	1227	586	1373
17	13	4	16	14	3	1696.9	285.52	0.55	1231	584	1377
17	13	4	17	12	5	1706.9	285.52	7.12	1212	585	1376
17	13	4	17	14	3	1709.5	285.52	6.96	1212	584	1373
17	13	4	18	14	5	1722.1	285.52	2.85	1213	584	1373
17	14	4	16	13	3	1694.4	285.52	3.44	1235	585	1370
17	14	4	17	13	5	1706.2	294.47	5.23	1236	584	1369
17	14	4	17	15	3	1710.3	294.47	4.33	1242	582	1358
17	14	4	18	13	5	1720.8	294.47	1.40	1218	583	1365
17	14	4	18	15	3	1723.5	294.47	3.81	1224	582	1352
17	15	2	15	14	3	1693.8	294.47	5.17	1251	582	1362
17	15	2	16	16	1	1698.5	294.47	0.06	1262	578	1357
17	15	2	17	14	3	1706.4	294.47	4.47	1231	582	1366
17	15	2	17	16	1	1710.5	294.47	2.91	1254	580	1355
17	15	2	18	16	3	1723.4	294.47	5.88	1242	580	1363
17	16	2	16	15	1	1693.7	294.47	6.81	1266	579	1348
17	16	2	17	15	3	1705.9	301.40	2.87	1255	580	1336
17	16	2	17	17	1	1710.8	301.40	1.45	1270	576	1326
17	16	2	18	15	3	1719.1	301.40	0.17	1236	579	1329

17	16	2	18	17	1	1723.6	301.40	7.49	1260	577	1287
17	17	0	16	16	1	1693.5	301.40	8.23	1278	574	1329
17	17	0	17	16	1	1705.6	301.55	1.42	1270	576	1308
17	17	0	18	18	1	1723.7	301.55	8.91	1277	574	1343
18	0	18	17	1	17	1700.5	301.55	12.12	1354	604	1335
18	0	18	18	1	17	1715.5	301.55	0.74	1347	604	1336
18	0	18	19	1	19	1716.3	301.55	12.93	1346	605	1294
18	1	18	17	0	17	1700.5	175.08	12.12	1354	604	1391
18	1	18	18	2	17	1715.5	175.08	0.74	1347	604	1372
18	1	18	19	0	19	1716.3	175.08	12.93	1346	605	1370
18	1	18	19	2	17	1731.4	175.08	0.02	1339	605	1391
18	2	16	17	1	17	1686.2	175.08	0.02	1346	604	1372
18	2	16	17	3	15	1699.6	175.08	9.97	1339	604	1370
18	2	16	18	1	17	1701.3	175.08	1.33	1338	605	1356
18	2	16	18	3	15	1714.7	197.76	1.96	1331	604	1376
18	2	16	19	3	17	1717.2	197.76	10.72	1331	605	1360
18	3	16	17	2	15	1699.6	197.76	9.97	1339	604	1357
18	3	16	18	2	17	1701.3	197.76	1.33	1338	605	1344
18	3	16	18	4	15	1714.7	197.76	1.96	1331	604	1341
18	3	16	19	2	17	1717.2	197.76	10.72	1331	605	1360
18	3	16	19	4	15	1730.6	197.76	0.11	1323	604	1357
18	4	14	17	3	15	1687.1	197.76	0.11	1333	603	1344
18	4	14	17	5	13	1698.8	197.76	8.17	1325	603	1341
18	4	14	18	3	15	1702.1	197.76	2.37	1326	603	1333
18	4	14	18	5	13	1713.8	218.75	2.91	1317	602	1351
18	4	14	19	5	15	1718.0	218.75	8.87	1317	603	1341
18	5	14	17	4	13	1698.8	218.75	8.17	1325	603	1335
18	5	14	18	4	15	1702.1	218.75	2.37	1326	603	1331
18	5	14	18	6	13	1713.8	218.75	2.91	1317	602	1324
18	5	14	19	4	15	1718.0	218.75	8.87	1317	603	1341
18	5	14	19	6	13	1729.7	218.75	0.26	1305	601	1335
18	6	12	17	5	13	1687.9	218.75	0.26	1313	601	1331
18	6	12	17	7	11	1698.0	218.75	6.64	1303	599	1324
18	6	12	18	5	13	1703.0	218.75	3.21	1305	600	1323
18	6	12	18	7	11	1713.0	238.03	3.66	1292	598	1340
18	6	12	19	7	13	1718.9	238.03	7.30	1293	599	1338
18	7	12	17	6	11	1698.0	238.03	6.64	1303	599	1330
18	7	12	18	6	13	1703.0	238.03	3.21	1305	600	1330
18	7	12	18	8	11	1713.0	238.03	3.66	1292	598	1322
18	7	12	19	6	13	1718.9	238.03	7.30	1293	599	1338
18	7	12	19	8	11	1728.9	238.03	0.47	1281	596	1330
18	8	10	17	7	11	1688.8	238.03	0.46	1290	597	1330
18	8	10	17	9	9	1697.1	238.03	5.32	1276	595	1322
18	8	10	18	7	11	1703.8	238.03	3.89	1278	596	1325
18	8	10	18	9	9	1712.1	255.61	4.29	1265	593	1341
18	8	10	19	9	11	1719.7	255.61	5.93	1267	594	1344
18	9	10	17	8	9	1697.1	255.61	5.32	1276	595	1334
18	9	10	18	8	11	1703.8	255.61	3.89	1279	596	1339
18	9	10	18	10	9	1712.1	255.61	4.29	1265	593	1329
18	9	10	19	8	11	1719.7	255.61	5.93	1267	594	1344
18	9	10	19	10	9	1728.0	255.61	0.71	1260	592	1334
18	10	8	17	9	9	1699.7	255.61	0.70	1266	592	1339
18	10	8	17	11	7	1696.3	255.61	4.09	1252	589	1329
18	10	8	18	9	9	1704.7	255.61	4.49	1255	590	1335

18	10	8	18	11	7	1711.3	271.50	4.88	1245	587	1350
18	10	8	19	11	9	1720.5	271.50	4.70	1249	589	1355
18	11	8	17	10	7	1696.3	271.50	4.09	1252	589	1345
18	11	8	18	10	9	1704.7	271.50	4.49	1255	590	1352
18	11	8	18	12	7	1711.3	271.50	4.88	1246	588	1340
18	11	8	19	10	9	1720.5	271.50	4.70	1249	589	1355
18	11	8	19	12	7	1727.1	271.50	0.98	1235	585	1345
18	12	6	17	11	7	1690.7	271.50	0.97	1236	586	1352
18	12	6	17	13	5	1695.5	271.50	2.61	1228	584	1340
18	12	6	18	11	7	1705.6	271.50	5.13	1229	584	1348
18	12	6	18	13	5	1710.1	285.67	5.85	1208	582	1363
18	12	6	19	13	7	1721.5	285.67	3.44	1218	583	1367
18	13	6	17	12	5	1695.2	285.67	2.80	1222	585	1358
18	13	6	18	12	7	1705.6	285.67	5.11	1234	585	1363
18	13	6	18	14	5	1710.4	285.67	5.42	1222	583	1354
18	13	6	19	12	7	1721.4	285.67	3.41	1221	583	1367
18	13	6	19	14	5	1725.7	285.67	1.31	1198	581	1358
18	14	4	17	13	5	1692.3	285.67	1.75	1211	583	1363
18	14	4	17	15	3	1696.4	285.67	0.42	1217	581	1354
18	14	4	18	13	5	1706.9	285.67	7.36	1191	581	1360
18	14	4	18	15	3	1709.6	298.13	6.30	1197	580	1371
18	14	4	19	15	5	1723.1	298.13	2.90	1194	579	1373
18	15	4	17	14	3	1693.4	298.13	3.69	1221	582	1367
18	15	4	18	14	5	1706.1	298.13	5.06	1221	581	1370
18	15	4	18	16	3	1710.4	298.13	4.06	1232	579	1364
18	15	4	19	14	5	1721.3	298.13	1.07	1197	578	1373
18	15	4	19	16	3	1724.3	298.13	4.18	1214	578	1367
18	16	2	17	15	3	1693.0	298.13	5.35	1244	580	1370
18	16	2	17	17	1	1698.0	298.13	0.05	1258	577	1364
18	16	2	18	15	3	1706.2	298.13	4.10	1224	579	1367
18	16	2	18	17	1	1710.7	308.84	2.71	1248	578	1373
18	16	2	19	17	3	1724.2	308.84	6.01	1235	577	1370
18	17	2	17	16	1	1692.8	308.84	6.83	1260	577	1370
18	17	2	18	16	3	1705.7	308.84	2.67	1248	578	1367
18	17	2	18	18	1	1711.0	308.84	1.34	1267	575	1368
18	17	2	19	16	3	1719.5	308.84	0.15	1230	577	1370
18	17	2	19	18	1	1724.4	308.84	7.47	1256	576	1371
18	18	0	17	17	1	1692.7	308.84	8.12	1277	574	1367
18	18	0	18	17	1	1705.4	308.84	1.32	1267	575	1368
18	18	0	19	19	1	1724.6	308.84	8.78	1275	573	1365
19	1	18	18	2	17	1699.6	317.75	11.19	1338	605	1362
19	1	18	19	0	19	1700.4	317.75	0.68	1337	605	1352
19	1	18	19	2	17	1715.5	317.75	1.33	1330	605	1359
19	1	18	20	2	19	1717.2	317.75	11.95	1330	606	1345
19	2	18	18	1	17	1699.6	317.75	11.19	1338	605	1357
19	2	18	19	1	19	1700.4	317.75	0.68	1337	605	1349
19	2	18	19	3	17	1715.5	317.75	1.33	1330	605	1360
19	2	18	20	1	19	1717.2	317.75	11.95	1330	606	1350
19	2	18	20	3	17	1732.3	317.75	0.05	1321	605	1358
19	3	16	18	2	17	1685.4	317.75	0.05	1332	604	1343
19	3	16	18	4	15	1698.8	324.53	9.22	1325	604	1326
19	3	16	19	2	17	1701.3	324.53	1.80	1325	605	1317
19	3	16	19	4	15	1714.7	324.53	2.37	1317	604	1318
19	3	16	20	4	17	1718.0	324.53	9.93	1316	604	1275

19	4	16	18	3	15	1698.8	324.53	9.22	1325	604	1318
19	4	16	19	3	17	1701.3	199.33	1.80	1325	605	1354
19	4	16	19	5	15	1714.7	199.33	2.37	1317	604	1353
19	4	16	20	3	17	1718.0	199.33	9.93	1316	604	1338
19	4	16	20	5	15	1731.4	199.33	0.17	1305	603	1335
19	5	14	18	4	15	1686.3	199.33	0.16	1314	603	1354
19	5	14	18	6	13	1698.0	199.33	7.58	1305	602	1353
19	5	14	19	4	15	1702.1	199.33	2.69	1305	602	1338
19	5	14	19	6	13	1713.8	199.33	3.18	1294	600	1335
19	5	14	20	6	15	1718.8	199.33	8.23	1293	601	1325
19	6	14	18	5	13	1698.0	222.00	7.58	1305	602	1342
19	6	14	19	5	15	1702.1	222.00	2.69	1305	602	1330
19	6	14	19	7	13	1713.8	222.00	3.18	1294	600	1326
19	6	14	20	5	15	1718.8	222.00	8.23	1293	601	1319
19	6	14	20	7	13	1730.6	222.00	0.33	1282	599	1314
19	7	12	18	6	13	1687.1	222.00	0.32	1293	599	1330
19	7	12	18	8	11	1697.1	222.00	6.17	1281	597	1326
19	7	12	19	6	13	1703.0	222.00	3.41	1282	598	1319
19	7	12	19	8	11	1713.0	222.00	3.82	1270	595	1314
19	7	12	20	8	13	1719.7	222.00	6.79	1271	597	1310
19	8	12	18	7	11	1697.1	242.98	6.17	1281	597	1326
19	8	12	19	7	13	1703.0	242.98	3.41	1282	598	1322
19	8	12	19	9	11	1713.0	242.98	3.82	1270	595	1315
19	8	12	20	7	13	1719.7	242.98	6.79	1271	597	1314
19	8	12	20	9	11	1729.7	242.98	0.53	1264	594	1306
19	9	10	18	8	11	1688.0	242.98	0.52	1270	594	1322
19	9	10	18	10	9	1696.3	242.98	4.94	1257	591	1315
19	9	10	19	8	11	1703.8	242.98	4.00	1259	592	1314
19	9	10	19	10	9	1712.1	242.98	4.37	1251	590	1306
19	9	10	20	10	11	1720.5	242.98	5.52	1253	591	1308
19	10	10	18	9	9	1696.3	262.26	4.94	1257	591	1323
19	10	10	19	9	11	1703.8	262.26	4.00	1259	592	1324
19	10	10	19	11	9	1712.1	262.26	4.37	1252	590	1316
19	10	10	20	9	11	1720.5	262.26	5.52	1253	591	1318
19	10	10	20	11	9	1728.8	262.26	0.76	1241	588	1308
19	11	8	18	10	9	1698.9	262.26	0.75	1247	589	1324
19	11	8	18	12	7	1695.4	262.26	3.79	1238	586	1316
19	11	8	19	10	9	1704.7	262.26	4.54	1241	587	1318
19	11	8	19	12	7	1711.2	262.26	4.91	1223	584	1308
19	11	8	20	12	9	1721.4	262.26	4.36	1229	585	1313
19	12	8	18	11	7	1695.4	279.83	3.79	1237	586	1330
19	12	8	19	11	9	1704.7	279.83	4.54	1241	587	1334
19	12	8	19	13	7	1711.2	279.83	4.91	1225	585	1323
19	12	8	20	11	9	1721.4	279.83	4.36	1229	585	1328
19	12	8	20	13	7	1727.9	279.83	1.01	1215	582	1317
19	13	6	18	12	7	1699.9	279.83	0.99	1217	583	1334
19	13	6	18	14	5	1694.7	279.83	2.25	1206	581	1323
19	13	6	19	12	7	1705.7	279.83	5.17	1205	580	1328
19	13	6	19	14	5	1710.0	279.83	6.08	1182	578	1317
19	13	6	20	14	7	1722.4	279.83	3.15	1199	579	1324
19	14	6	18	13	5	1694.2	295.70	2.58	1202	581	1341
19	14	6	19	13	7	1705.6	295.70	5.12	1212	581	1347
19	14	6	19	15	5	1710.5	295.70	5.35	1205	579	1336
19	14	6	20	13	7	1722.2	295.70	3.10	1202	578	1343

19	14	6	20	15	5	1726.3	295.70	1.39	1176	576	1331
19	15	4	18	14	5	1691.7	295.70	1.99	1193	579	1347
19	15	4	18	16	3	1696.0	295.70	0.33	1204	577	1336
19	15	4	19	14	5	1706.9	295.70	7.32	1169	576	1343
19	15	4	19	16	3	1709.8	295.70	5.62	1185	576	1331
19	15	4	20	16	5	1724.2	295.70	3.00	1179	576	1340
19	16	4	18	15	3	1692.5	309.87	3.91	1211	579	1354
19	16	4	19	15	5	1706.0	309.87	4.83	1209	578	1359
19	16	4	19	17	3	1710.6	309.87	3.78	1222	577	1351
19	16	4	20	15	5	1721.9	309.87	0.80	1180	575	1357
19	16	4	20	17	3	1725.1	309.87	4.45	1206	575	1348
19	17	2	18	16	3	1692.1	309.87	5.45	1235	578	1359
19	17	2	18	18	1	1697.4	309.87	0.04	1254	576	1351
19	17	2	19	16	3	1706.0	309.87	3.77	1217	576	1357
19	17	2	19	18	1	1710.9	309.87	2.51	1243	576	1348
19	17	2	20	18	3	1725.1	309.87	6.07	1230	576	1355
19	18	2	18	17	1	1692.0	322.30	6.78	1256	576	1365
19	18	2	19	17	3	1705.5	322.30	2.47	1243	576	1368
19	18	2	19	19	1	1711.2	322.30	1.24	1264	574	1362
19	18	2	20	17	3	1720.0	322.30	0.13	1226	574	1365
19	18	2	20	19	1	1725.3	322.30	7.39	1252	575	1361
19	19	0	18	18	1	1691.8	322.30	7.96	1275	573	1368
19	19	0	19	18	1	1705.2	322.30	1.22	1264	574	1362
19	19	0	20	20	1	1725.5	322.30	8.58	1274	573	1365
20	0	20	19	1	19	1699.7	322.30	12.46	1337	606	1361
20	0	20	20	1	19	1716.4	322.30	0.68	1329	606	1364
20	0	20	21	1	21	1717.2	332.99	13.24	1328	606	1368
20	1	20	19	0	19	1699.7	332.99	12.46	1337	606	1365
20	1	20	20	2	19	1715.4	332.99	0.68	1329	606	1366
20	1	20	21	0	21	1717.2	332.99	13.24	1328	606	1362
20	1	20	21	2	19	1733.9	332.99	0.02	1319	606	1365
20	2	18	19	1	19	1683.7	332.99	0.02	1331	605	1365
20	2	18	19	3	17	1698.8	332.99	10.30	1324	605	1366
20	2	18	20	1	19	1700.4	332.99	1.22	1323	605	1363
20	2	18	20	3	17	1715.5	332.99	1.81	1315	605	1365
20	2	18	21	3	19	1718.0	332.99	11.02	1314	605	1361
20	3	18	19	2	17	1698.8	341.84	10.30	1324	605	1357
20	3	18	20	2	19	1700.4	341.84	1.22	1323	605	1347
20	3	18	20	4	17	1715.5	341.84	1.81	1315	605	1355
20	3	18	21	2	19	1718.0	341.84	11.02	1314	605	1339
20	3	18	21	4	17	1733.1	341.84	0.09	1303	604	1354
20	4	16	19	3	17	1684.6	341.85	0.09	1313	604	1344
20	4	16	19	5	15	1693.0	341.85	8.81	1305	603	1356
20	4	16	20	3	17	1701.3	341.85	2.18	1304	604	1345
20	4	16	20	5	15	1714.7	341.85	2.68	1293	602	1354
20	4	16	21	5	17	1718.8	341.85	9.17	1292	603	1336
20	5	16	19	4	15	1698.0	200.03	8.51	1305	603	1351
20	5	16	20	4	17	1701.3	200.03	2.18	1304	604	1334
20	5	16	20	6	15	1714.7	200.03	2.68	1293	602	1333
20	5	16	21	4	17	1718.8	200.03	9.17	1292	603	1351
20	5	16	21	6	15	1732.2	200.03	0.22	1281	600	1334
20	6	14	19	5	15	1695.4	200.03	0.21	1294	601	1333
20	6	14	19	7	13	1697.1	200.03	7.00	1282	599	1321
20	6	14	20	5	15	1702.1	224.40	2.93	1282	600	1337

20	6	14	20	7	13	1713.8	224.40	3.36	1271	598	1322
20	6	14	21	7	15	1719.7	224.40	7.61	1270	599	1319
20	7	14	19	6	13	1697.1	224.40	7.00	1282	599	1310
20	7	14	20	6	15	1702.1	224.40	2.93	1282	600	1306
20	7	14	20	8	13	1713.8	224.40	3.36	1271	598	1322
20	7	14	21	6	15	1719.7	224.40	7.61	1270	599	1319
20	7	14	21	8	13	1731.4	224.40	0.38	1265	596	1310
20	8	12	19	7	13	1686.3	224.40	0.37	1273	596	1306
20	8	12	19	9	11	1696.3	224.40	5.71	1261	593	1301
20	8	12	20	7	13	1703.0	247.08	3.54	1262	595	1316
20	8	12	20	9	11	1713.0	247.08	3.92	1255	592	1309
20	8	12	21	9	13	1720.5	247.08	6.29	1256	593	1304
20	9	12	19	8	11	1696.3	247.08	5.71	1261	593	1301
20	9	12	20	8	13	1703.0	247.08	3.54	1262	595	1295
20	9	12	20	10	11	1713.0	247.08	3.92	1255	592	1309
20	9	12	21	8	13	1720.5	247.08	6.29	1256	593	1304
20	9	12	21	10	11	1730.5	247.08	0.58	1245	590	1301
20	10	10	19	9	11	1687.1	247.08	0.56	1251	591	1295
20	10	10	19	11	9	1695.4	247.08	4.57	1244	588	1292
20	10	10	20	9	11	1703.8	268.05	4.06	1246	589	1308
20	10	10	20	11	9	1712.1	268.05	4.40	1234	586	1307
20	10	10	21	11	11	1721.4	268.05	5.12	1236	588	1298
20	11	10	19	10	9	1695.4	268.05	4.57	1244	588	1298
20	11	10	20	10	11	1703.8	268.05	4.06	1246	589	1289
20	11	10	20	12	9	1712.1	268.05	4.40	1234	587	1307
20	11	10	21	10	11	1721.4	268.05	5.12	1236	588	1298
20	11	10	21	12	9	1729.6	268.05	0.80	1225	584	1298
20	12	8	19	11	9	1688.1	268.05	0.79	1231	585	1289
20	12	8	19	13	7	1694.6	268.05	3.48	1215	582	1292
20	12	8	20	11	9	1704.7	287.32	4.55	1219	583	1310
20	12	8	20	13	7	1711.2	287.32	4.90	1205	579	1312
20	12	8	21	13	9	1722.2	287.32	4.03	1212	580	1301
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20	13	8	20	12	9	1704.7	287.32	4.55	1220	583	1294
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20	13	8	21	12	9	1722.2	287.32	4.03	1212	580	1301
20	13	8	21	14	7	1728.6	287.32	1.02	1196	577	1305
20	14	6	19	13	7	1689.2	287.32	1.00	1195	578	1294
20	14	6	19	15	5	1694.0	287.32	1.88	1188	576	1301
20	14	6	20	13	7	1705.8	304.88	5.19	1185	576	1318
20	14	6	20	15	5	1709.9	304.88	6.31	1159	573	1323
20	14	6	21	15	7	1723.3	304.88	2.86	1177	574	1311
20	15	6	19	14	5	1693.2	304.88	2.39	1181	576	1319
20	15	6	20	14	7	1705.6	304.88	5.08	1197	577	1307
20	15	6	20	16	5	1710.5	304.88	5.20	1190	575	1323
20	15	6	21	14	7	1723.0	304.88	2.77	1185	574	1311
20	15	6	21	16	5	1726.9	304.88	1.50	1162	572	1319
20	16	4	19	15	5	1691.0	304.88	2.26	1181	575	1307
20	16	4	19	17	3	1695.5	304.88	0.27	1195	574	1316
20	16	4	20	15	5	1706.8	320.74	6.99	1152	572	1332
20	16	4	20	17	3	1710.0	320.74	5.01	1179	573	1340
20	16	4	21	17	5	1725.2	320.74	3.14	1169	572	1328
20	17	4	19	16	3	1691.6	320.74	4.08	1203	575	1337
20	17	4	20	16	5	1705.9	320.74	4.54	1196	575	1325

20	17	4	20	18	3	1710.7	320.74	3.50	1215	574	1340
20	17	4	21	16	5	1722.3	320.74	0.61	1168	571	1328
20	17	4	21	18	3	1725.9	320.74	4.63	1196	573	1337
20	18	2	19	17	3	1691.3	320.74	5.48	1228	575	1325
20	18	2	19	19	1	1696.9	320.74	0.04	1250	574	1336
20	18	2	20	17	3	1705.8	334.89	3.47	1212	574	1349
20	18	2	20	19	1	1711.0	334.89	2.31	1238	574	1355
20	18	2	21	19	3	1726.0	334.89	6.05	1223	573	1346
20	19	2	19	18	1	1691.1	334.89	6.67	1252	575	1354
20	19	2	20	18	3	1705.4	334.89	2.27	1239	574	1345
20	19	2	20	20	1	1711.3	334.89	1.14	1262	573	1355
20	19	2	21	18	3	1720.5	334.89	0.11	1220	573	1346
20	19	2	21	20	1	1726.2	334.89	7.25	1249	574	1354
20	20	0	19	19	1	1690.9	334.89	7.74	1274	573	1345
20	20	0	20	19	1	1705.1	334.89	1.12	1262	573	1353
20	20	0	21	21	1	1726.3	347.31	8.33	1273	572	1361
21	1	20	20	2	19	1698.8	347.31	11.42	1322	606	1364
21	1	20	21	0	21	1699.6	347.31	0.62	1322	606	1360
21	1	20	21	2	19	1716.4	347.31	1.23	1313	605	1363
21	1	20	22	2	21	1718.0	347.31	12.14	1311	606	1359
21	2	20	20	1	19	1698.8	347.31	11.42	1322	606	1364
21	2	20	21	1	21	1699.6	347.31	0.62	1322	606	1360
21	2	20	21	3	19	1716.4	347.31	1.23	1313	605	1364
21	2	20	22	1	21	1718.0	347.31	12.14	1311	606	1359
21	2	20	22	3	19	1734.8	347.31	0.04	1300	605	1363
21	3	18	20	2	19	1682.9	357.96	0.04	1311	605	1355
21	3	18	20	4	17	1698.0	357.96	9.46	1303	604	1362
21	3	18	21	2	19	1700.4	357.96	1.65	1301	605	1364
21	3	18	21	4	17	1715.5	357.96	2.17	1290	603	1360
21	3	18	22	4	19	1718.8	357.96	10.12	1288	604	1363
21	4	18	20	3	17	1698.0	357.96	9.46	1303	604	1361
21	4	18	21	3	19	1700.4	357.96	1.65	1301	605	1364
21	4	18	21	5	17	1715.5	357.96	2.17	1290	603	1361
21	4	18	22	3	19	1718.8	357.96	10.12	1288	604	1363
21	4	18	22	5	17	1733.9	357.96	0.14	1281	602	1359
21	5	16	20	4	17	1683.7	366.75	0.13	1292	603	1353
21	5	16	20	6	15	1697.1	366.75	7.83	1281	601	1341
21	5	16	21	4	17	1701.3	366.75	2.46	1279	602	1351
21	5	16	21	6	15	1714.7	366.75	2.90	1269	599	1331
21	5	16	22	6	17	1719.7	366.75	8.44	1270	600	1351
21	6	16	20	5	15	1697.1	225.94	7.83	1281	601	1317
21	6	16	21	5	17	1701.3	225.94	2.46	1279	602	1317
21	6	16	21	7	15	1714.7	225.94	2.90	1269	599	1304
21	6	16	22	5	17	1719.7	225.94	8.44	1270	600	1301
21	6	16	22	7	15	1733.1	225.94	0.27	1263	598	1317
21	7	14	20	6	15	1684.6	225.94	0.26	1273	598	1317
21	7	14	20	8	13	1696.3	225.94	6.45	1262	596	1304
21	7	14	21	6	15	1702.1	225.94	3.09	1261	597	1301
21	7	14	21	8	13	1713.8	225.94	3.48	1256	594	1296
21	7	14	22	8	15	1720.5	250.32	7.02	1256	595	1309
21	8	14	20	7	13	1696.3	250.32	6.45	1262	596	1299
21	8	14	21	7	15	1702.1	250.32	3.09	1261	597	1296
21	8	14	21	9	13	1713.8	250.32	3.48	1257	594	1290
21	8	14	22	7	15	1720.5	250.32	7.02	1256	595	1285

21	8	14	22	9	13	1732.2	250.32	0.43	1246	593	1299
21	9	12	20	8	13	1685.5	250.32	0.42	1254	593	1296
21	9	12	20	10	11	1695.5	250.32	5.27	1248	590	1290
21	9	12	21	8	13	1703.0	250.32	3.62	1249	592	1285
21	9	12	21	10	11	1713.0	250.32	3.96	1238	589	1279
21	9	12	22	10	13	1721.4	272.98	5.80	1239	590	1296
21	10	12	20	9	11	1695.5	272.98	5.27	1248	590	1290
21	10	12	21	9	13	1703.0	272.98	3.62	1249	592	1284
21	10	12	21	11	11	1713.0	272.98	3.96	1238	589	1281
21	10	12	22	9	13	1721.4	272.98	5.80	1239	590	1273
21	10	12	22	11	11	1731.3	272.98	0.62	1229	586	1290
21	11	10	20	10	11	1686.3	272.98	0.60	1236	587	1284
21	11	10	20	12	9	1694.6	272.98	4.21	1223	584	1281
21	11	10	21	10	11	1703.9	272.98	4.06	1226	585	1273
21	11	10	21	12	9	1712.1	272.98	4.38	1216	582	1274
21	11	10	22	12	11	1722.2	293.94	4.72	1219	583	1290
21	12	10	20	11	9	1694.6	293.94	4.21	1223	584	1290
21	12	10	21	11	11	1703.9	293.94	4.06	1226	585	1280
21	12	10	21	13	9	1712.1	293.94	4.38	1216	582	1284
21	12	10	22	11	11	1722.2	293.94	4.72	1219	583	1273
21	12	10	22	13	9	1730.4	293.94	0.83	1206	580	1290
21	13	8	20	12	9	1687.2	293.94	0.81	1210	581	1280
21	13	8	20	14	7	1693.7	293.94	3.18	1199	578	1284
21	13	8	21	12	9	1704.7	293.94	4.51	1203	578	1273
21	13	8	21	14	7	1711.2	293.94	4.85	1187	575	1279
21	13	8	22	14	9	1723.1	313.20	3.70	1193	577	1295
21	14	8	20	13	7	1693.7	313.20	3.18	1197	577	1300
21	14	8	21	13	9	1704.7	313.20	4.51	1204	579	1289
21	14	8	21	15	7	1711.2	313.20	4.84	1189	576	1295
21	14	8	22	13	9	1723.1	313.20	3.70	1194	577	1284
21	14	8	22	15	7	1729.4	313.20	1.03	1177	573	1300
21	15	6	20	14	7	1688.5	313.20	1.00	1176	574	1289
21	15	6	20	16	5	1693.3	313.20	1.51	1169	572	1295
21	15	6	21	14	7	1705.9	313.20	5.19	1164	571	1284
21	15	6	21	16	5	1709.8	313.20	6.49	1141	568	1292
21	15	6	22	16	7	1724.2	330.76	2.59	1158	570	1308
21	15	6	20	15	5	1692.2	330.76	2.25	1159	572	1315
21	16	6	21	15	7	1705.6	330.76	4.99	1177	573	1303
21	16	6	21	17	5	1710.5	330.76	5.00	1175	572	1313
21	16	6	22	15	7	1723.8	330.76	2.43	1164	570	1300
21	16	6	22	17	5	1727.6	330.76	1.64	1146	568	1315
21	17	4	20	16	5	1690.3	330.76	2.53	1172	572	1303
21	17	4	20	18	3	1695.1	330.76	0.23	1192	571	1313
21	17	4	21	16	5	1706.7	330.76	6.42	1144	568	1300
21	17	4	21	18	3	1710.3	330.76	4.49	1173	570	1311
21	17	4	22	18	5	1726.2	346.61	3.28	1162	569	1327
21	18	4	20	17	3	1690.7	346.61	4.19	1198	572	1336
21	18	4	21	17	5	1705.8	346.61	4.23	1188	572	1324
21	18	4	21	19	3	1710.9	346.61	3.22	1210	572	1334
21	18	4	22	17	5	1722.8	346.61	0.47	1159	568	1323
21	18	4	22	19	3	1726.7	346.61	4.72	1193	570	1336
21	19	2	20	18	3	1690.4	346.61	5.44	1225	573	1324
21	19	2	20	20	1	1696.4	346.61	0.03	1248	573	1335
21	19	2	21	18	3	1705.6	346.61	3.18	1206	572	1323

21	19	2	21	20	1	1711.2	346.61	2.12	1234	573	1335
21	19	2	22	20	3	1726.9	360.74	5.98	1220	571	1345
21	20	2	20	19	1	1690.2	360.74	6.51	1249	574	1353
21	20	2	21	19	3	1705.2	360.74	2.09	1234	573	1344
21	20	2	21	21	1	1711.5	360.74	1.05	1260	573	1352
21	20	2	22	19	3	1721.0	360.74	0.10	1217	571	1344
21	20	2	22	21	1	1727.0	360.74	7.06	1246	572	1353
22	0	22	21	1	21	1698.8	360.74	12.58	1321	606	1344
22	0	22	22	1	21	1717.2	360.74	0.63	1311	606	1353
22	0	22	23	1	23	1718.0	360.74	13.32	1310	606	1344
22	1	22	21	0	21	1698.8	360.74	12.58	1321	606	1353
22	1	22	22	2	21	1717.2	373.13	0.63	1311	606	1359
22	1	22	23	0	23	1718.0	373.13	13.32	1310	606	1363
22	1	22	23	2	21	1736.5	373.13	0.01	1297	605	1359
22	2	20	21	1	21	1681.2	373.13	0.01	1309	605	1363
22	2	20	21	3	19	1698.0	373.13	10.43	1299	605	1359
22	2	20	22	1	21	1699.6	373.13	1.11	1298	605	1363
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22	2	20	23	3	21	1718.8	373.13	11.10	1284	604	1363
22	3	20	21	2	19	1698.0	373.13	10.43	1299	605	1359
22	3	20	22	2	21	1699.6	373.13	1.11	1298	605	1363
22	3	20	22	4	19	1716.4	383.75	1.65	1286	604	1363
22	3	20	23	2	21	1718.8	383.75	11.10	1284	604	1360
22	3	20	23	4	19	1735.6	383.75	0.08	1277	602	1363
22	4	18	21	3	19	1682.1	383.75	0.07	1289	604	1359
22	4	18	21	5	17	1697.1	383.75	8.65	1277	602	1363
22	4	18	22	3	19	1700.4	383.75	1.98	1275	603	1360
22	4	18	22	5	17	1715.5	383.75	2.44	1268	600	1363
22	4	18	23	5	19	1719.7	383.75	9.27	1266	601	1360
22	5	18	21	4	17	1697.1	383.75	8.65	1277	602	1364
22	5	18	22	4	19	1700.4	383.75	1.98	1275	603	1359
22	5	18	22	6	17	1715.5	226.62	2.44	1268	600	1316
22	5	18	23	4	19	1719.7	226.62	9.27	1266	601	1301
22	5	18	23	6	17	1734.7	226.62	0.18	1259	599	1301
22	6	16	21	5	17	1682.9	226.62	0.17	1270	600	1316
22	6	16	21	7	15	1696.3	226.62	7.17	1260	597	1301
22	6	16	22	5	17	1701.3	226.62	2.65	1261	598	1301
22	6	16	22	7	15	1714.7	226.62	3.05	1254	596	1293
22	6	16	23	7	17	1720.5	252.69	7.74	1252	597	1305
22	7	16	21	6	15	1696.3	252.69	7.17	1260	597	1294
22	7	16	22	6	17	1701.3	252.69	2.65	1261	598	1292
22	7	16	22	8	15	1714.7	252.69	3.05	1254	596	1281
22	7	16	23	6	17	1720.5	252.69	7.74	1252	597	1278
22	7	16	23	8	15	1733.9	252.69	0.31	1244	594	1294
22	8	14	21	7	15	1693.8	252.69	0.30	1253	595	1292
22	8	14	21	9	13	1695.5	252.69	5.92	1248	593	1281
22	8	14	22	7	15	1702.1	252.69	3.19	1248	593	1278
22	8	14	22	9	13	1713.8	252.69	3.54	1238	591	1269
22	8	14	23	9	15	1721.4	277.06	6.45	1237	592	1286
22	9	14	21	8	13	1695.5	277.06	5.92	1248	593	1277
22	9	14	22	8	15	1702.1	277.06	3.19	1248	593	1272
22	9	14	22	10	13	1713.8	277.06	3.54	1238	591	1266
22	9	14	23	8	15	1721.4	277.06	6.45	1237	592	1260
22	9	14	23	10	13	1733.0	277.06	0.47	1229	589	1277

22	10	12	21	9	13	1684.6	277.06	0.45	1239	589	1272
22	10	12	21	11	11	1694.6	277.06	4.84	1228	586	1266
22	10	12	22	9	13	1703.0	277.06	3.64	1229	587	1260
22	10	12	22	11	11	1713.0	277.06	3.95	1221	584	1259
22	10	12	23	11	13	1722.2	299.72	5.33	1221	585	1275
22	11	12	21	10	11	1694.6	299.72	4.84	1228	586	1271
22	11	12	22	10	13	1703.0	299.72	3.64	1229	588	1264
22	11	12	22	12	11	1713.0	299.72	3.95	1221	584	1265
22	11	12	23	10	13	1722.2	299.72	5.33	1221	585	1256
22	11	12	23	12	11	1732.2	299.72	0.65	1212	582	1271
22	12	10	21	11	11	1685.5	299.72	0.63	1218	583	1264
22	12	10	21	13	9	1693.8	299.72	3.86	1208	580	1265
22	12	10	22	11	11	1703.9	299.72	4.03	1212	581	1256
22	12	10	22	13	9	1712.1	299.72	4.32	1198	578	1259
22	12	10	23	13	11	1723.0	320.67	4.34	1202	579	1275
22	13	10	21	12	9	1693.8	320.67	3.86	1208	580	1277
22	13	10	22	12	11	1703.9	320.67	4.03	1212	581	1267
22	13	10	22	14	9	1712.1	320.67	4.32	1198	578	1272
22	13	10	23	12	11	1723.0	320.67	4.34	1202	579	1262
22	13	10	23	14	9	1731.2	320.67	0.84	1191	575	1277
22	14	8	21	13	9	1686.4	320.67	0.82	1194	576	1267
22	14	8	21	15	7	1692.9	320.67	2.88	1179	573	1272
22	14	8	22	13	9	1704.8	320.67	4.44	1183	574	1262
22	14	8	22	15	7	1711.1	320.67	4.77	1166	570	1269
22	14	8	23	15	9	1723.9	339.92	3.38	1176	571	1285
22	15	8	21	14	7	1692.9	339.92	2.89	1178	573	1291
22	15	8	22	14	9	1704.8	339.92	4.43	1184	575	1280
22	15	8	22	16	7	1711.2	339.92	4.75	1173	572	1288
22	15	8	23	14	9	1723.9	339.92	3.38	1177	572	1276
22	15	8	23	16	7	1730.1	339.92	1.01	1158	568	1291
22	16	6	21	15	7	1687.8	339.92	1.01	1155	570	1280
22	16	6	21	17	5	1692.7	339.92	1.17	1153	568	1288
22	16	6	22	15	7	1706.0	339.92	5.20	1142	567	1276
22	16	6	22	17	5	1709.7	339.92	6.54	1124	564	1287
22	16	6	23	17	7	1725.2	357.47	2.35	1140	565	1301
22	17	6	21	16	5	1691.2	357.47	2.17	1147	568	1311
22	17	6	22	16	7	1705.6	357.47	4.86	1165	569	1298
22	17	6	22	18	5	1710.6	357.47	4.73	1165	569	1310
22	17	6	23	16	7	1724.6	357.47	2.07	1151	566	1297
22	17	6	23	18	5	1728.2	357.47	1.81	1136	563	1311
22	18	4	21	17	5	1699.6	357.47	2.77	1163	568	1298
22	18	4	21	19	3	1694.7	357.47	0.19	1184	569	1310
22	18	4	22	17	5	1706.6	357.47	5.72	1133	564	1297
22	18	4	22	19	3	1710.5	357.47	4.05	1167	567	1310
22	18	4	23	19	5	1727.1	373.30	3.42	1156	565	1323
22	19	4	21	18	3	1689.8	373.30	4.24	1191	570	1334
22	19	4	22	18	5	1705.6	373.30	3.90	1180	569	1322
22	19	4	22	20	3	1711.1	373.30	2.95	1205	570	1334
22	19	4	23	18	5	1723.2	373.30	0.37	1151	564	1322
22	19	4	23	20	3	1727.6	373.30	4.73	1190	567	1334
22	20	2	21	19	3	1689.5	373.30	5.35	1220	571	1322
22	20	2	21	21	1	1695.9	373.30	0.03	1246	571	1334
22	20	2	22	19	3	1705.4	373.30	2.90	1203	569	1322
22	20	2	22	21	1	1711.4	373.30	1.94	1232	571	1334

22	20	2	23	21	3	1727.7	387.42	5.85	1218	570	1344
23	1	22	22	2	21	1698.0	387.42	11.44	1297	605	1352
23	1	22	23	0	23	1698.8	387.42	0.56	1296	605	1344
23	1	22	23	2	21	1717.2	387.42	1.12	1283	604	1352
23	1	22	24	2	23	1718.8	387.42	12.12	1281	604	1344
23	2	22	22	1	21	1698.0	387.42	11.44	1297	605	1352
23	2	22	23	1	23	1698.8	387.42	0.56	1296	605	1344
23	2	22	23	3	21	1717.2	387.42	1.12	1283	604	1352
23	2	22	24	1	23	1718.8	387.42	12.12	1281	604	1344
23	2	22	24	3	21	1737.3	387.42	0.04	1272	603	1353
23	3	20	22	2	21	1680.4	399.78	0.03	1285	604	1359
23	3	20	22	4	19	1697.1	399.78	9.49	1273	603	1363
23	3	20	23	2	21	1699.6	399.78	1.50	1271	603	1359
23	3	20	23	4	19	1716.4	399.78	1.97	1263	601	1363
23	3	20	24	4	21	1719.7	399.78	10.12	1260	601	1360
23	4	20	22	3	19	1697.1	399.78	9.49	1273	603	1363
23	4	20	23	3	21	1699.6	399.78	1.50	1271	603	1359
23	4	20	23	5	19	1716.4	399.78	1.97	1263	601	1363
23	4	20	24	3	21	1719.7	399.78	10.12	1260	601	1360
23	4	20	24	5	19	1736.4	399.78	0.11	1254	600	1363
23	5	18	22	4	19	1681.2	410.36	0.11	1269	601	1363
23	5	18	22	6	17	1696.3	0.0	7.89	1262	599	1586
23	5	18	23	4	19	1700.5	0.84	2.22	1259	599	1591
23	5	18	23	6	17	1715.5	0.84	2.63	1253	597	1592
23	5	18	24	6	19	1720.5	1.67	8.46	1250	598	1591
23	6	18	22	5	17	1696.3	1.67	7.89	1262	599	1601
23	6	18	23	5	19	1700.5	1.67	2.22	1259	599	1600
23	6	18	23	7	17	1715.5	1.67	2.63	1253	597	1593
23	6	18	24	5	19	1720.5	1.67	8.46	1250	598	1594
23	6	18	24	7	17	1735.6	1.67	0.22	1242	595	1599
23	7	16	22	6	17	1682.1	1.67	0.21	1253	596	1611
23	7	16	22	8	15	1695.5	2.52	6.55	1246	594	1593
23	7	16	23	6	17	1701.3	2.52	2.78	1244	595	1603
23	7	16	23	8	15	1714.7	2.52	3.14	1235	592	1599
23	7	16	24	8	17	1721.4	4.17	7.07	1233	593	1602
23	8	16	22	7	15	1695.5	4.17	6.55	1246	594	1608
23	8	16	23	7	17	1701.3	4.17	2.78	1244	595	1620
23	8	16	23	9	15	1714.7	4.17	3.14	1235	592	1618
23	8	16	24	7	17	1721.4	4.19	7.07	1233	593	1607
23	8	16	24	9	15	1734.7	4.19	0.35	1226	590	1606
23	9	14	22	8	15	1682.9	4.19	0.33	1238	591	1603
23	9	14	22	10	13	1694.6	4.19	5.41	1228	589	1617
23	9	14	23	8	15	1702.1	4.19	3.23	1227	589	1626
23	9	14	23	10	13	1713.8	5.04	3.54	1221	586	1601
23	9	14	24	10	15	1722.2	5.04	5.90	1220	587	1618
23	10	14	22	9	13	1694.6	5.04	5.41	1228	589	1607
23	10	14	23	9	15	1702.1	5.01	3.23	1227	589	1609
23	10	14	23	11	13	1713.8	5.01	3.54	1221	586	1619
23	10	14	24	9	15	1722.2	5.01	5.90	1220	587	1622
23	10	14	24	11	13	1733.9	5.01	0.50	1212	584	1609
23	11	12	22	10	13	1683.8	5.01	0.48	1220	586	1619
23	11	12	22	12	11	1693.8	5.01	4.42	1213	582	1622
23	11	12	23	10	13	1703.0	5.01	3.61	1214	583	1629
23	11	12	23	12	11	1713.0	7.49	3.89	1204	580	1621

23	11	12	24	12	13	1723.0	7.49	4.88	1204	581	1618
23	12	12	22	11	11	1693.8	7.49	4.42	1213	582	1631
23	12	12	23	11	13	1703.0	7.49	3.61	1214	583	1641
23	12	12	23	13	11	1713.0	7.49	3.89	1204	580	1640
23	12	12	24	11	13	1723.0	7.54	4.88	1204	581	1626
23	12	12	24	13	11	1733.0	7.54	0.67	1197	577	1625
23	13	10	22	12	11	1684.7	7.54	0.65	1202	579	1615
23	13	10	22	14	9	1692.9	7.54	3.52	1188	576	1634
23	13	10	23	12	11	1703.9	7.54	3.95	1192	577	1639
23	13	10	23	14	9	1712.1	8.42	4.23	1181	573	1607
23	13	10	24	14	11	1723.9	8.42	3.96	1185	575	1629
23	14	10	22	13	9	1692.9	8.42	3.52	1188	576	1611
23	14	10	23	13	11	1703.9	9.19	3.95	1192	577	1633
23	14	10	23	15	9	1712.1	9.19	4.23	1181	574	1635
23	14	10	24	13	11	1723.9	9.19	3.96	1185	575	1642
23	14	10	24	15	9	1732.0	9.19	0.84	1174	571	1647
23	15	8	22	14	9	1685.7	9.19	0.82	1176	572	1633
23	15	8	22	16	7	1692.1	9.19	2.58	1164	569	1636
23	15	8	23	14	9	1704.8	9.19	4.33	1168	569	1641
23	15	8	23	16	7	1711.0	9.19	4.67	1150	565	1647
23	15	8	24	16	9	1724.8	9.19	3.07	1161	567	1646
23	15	8	22	15	7	1692.0	11.63	2.60	1161	568	1640
23	16	8	23	15	9	1704.8	11.63	4.33	1172	570	1629
23	15	8	23	17	7	1711.2	11.63	4.63	1159	567	1649
23	16	8	24	15	9	1724.8	11.63	3.06	1164	568	1654
23	16	8	24	17	7	1730.9	11.63	0.99	1143	564	1652
23	17	6	22	16	7	1687.2	11.73	1.01	1137	565	1639
23	17	6	22	18	5	1692.2	11.73	0.88	1138	564	1638
23	17	6	23	16	7	1706.1	11.73	5.23	1123	561	1620
23	17	6	23	18	5	1709.7	11.73	6.37	1108	559	1643
23	17	6	24	18	7	1726.2	11.73	2.14	1122	560	1643
23	18	6	22	17	5	1690.1	12.67	2.13	1134	564	1609
23	18	6	23	17	7	1705.6	12.67	4.67	1150	565	1634
23	18	6	23	19	5	1710.7	12.67	4.42	1156	565	1610
23	18	6	24	17	7	1725.3	10.03	1.71	1133	562	1639
23	18	6	24	19	5	1728.8	10.03	1.99	1126	560	1650
23	19	4	22	18	5	1688.8	10.03	2.95	1158	566	1655
23	19	4	22	20	3	1694.2	10.03	0.17	1183	567	1639
23	19	4	23	18	5	1706.4	10.03	5.03	1128	560	1650
23	19	4	23	20	3	1710.7	10.03	3.67	1167	564	1655
23	19	4	24	20	5	1728.1	10.03	3.51	1153	562	1655
23	20	4	22	19	3	1688.9	14.21	4.22	1187	568	1642
23	20	4	23	19	5	1705.5	14.21	3.57	1176	566	1648
23	20	4	23	21	3	1711.2	14.21	2.69	1202	568	1653
23	20	4	24	19	5	1723.6	14.21	0.30	1146	561	1652
23	20	4	24	21	3	1728.4	14.21	4.69	1186	566	1657
24	0	24	23	1	23	1698.0	14.21	12.49	1295	605	1648
24	0	24	24	1	23	1718.1	14.21	0.57	1281	604	1653
24	0	24	25	1	25	1718.8	14.21	13.18	1280	604	1651
24	1	24	23	0	23	1698.0	14.21	12.49	1295	605	1657
24	1	24	24	2	23	1718.1	14.21	0.57	1281	604	1654
24	1	24	25	0	25	1718.8	16.58	13.18	1280	604	1652
24	1	24	25	2	23	1739.0	16.58	0.01	1270	603	1635
24	2	22	23	1	23	1678.7	16.58	0.01	1282	604	1657

24	2	22	23	3	21	1697.2	16.58	10.36	1269	603	1657
24	2	22	24	1	23	1698.8	16.58	1.01	1267	603	1655
24	2	22	24	3	21	1717.2	16.77	1.50	1258	601	1645
24	2	22	25	3	23	1719.7	16.77	10.99	1256	602	1643
24	3	22	23	2	21	1697.2	16.77	10.36	1269	603	1621
24	3	22	24	2	23	1698.8	16.77	1.01	1267	603	1645
24	3	22	24	4	21	1717.2	16.77	1.50	1258	601	1639
24	3	22	25	2	23	1719.7	17.78	10.99	1256	602	1609
24	3	22	25	4	21	1738.1	17.78	0.06	1248	600	1632
24	4	20	23	3	21	1679.5	17.78	0.06	1264	601	1607
24	4	20	23	5	19	1696.3	15.88	8.62	1256	599	1659
24	4	20	24	3	21	1699.6	15.88	1.78	1254	599	1663
24	4	20	24	5	19	1716.4	15.88	2.20	1247	598	1663
24	4	20	25	5	21	1720.5	15.88	9.19	1244	598	1670
24	5	20	23	4	19	1696.3	15.88	8.62	1256	599	1659
24	5	20	24	4	21	1699.6	15.88	1.78	1254	599	1663
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24	5	20	25	4	21	1720.5	15.88	9.19	1244	598	1670
24	5	20	25	6	19	1737.3	15.88	0.15	1236	596	1663
24	6	18	23	5	19	1690.4	20.05	0.14	1248	597	1655
24	6	18	23	7	17	1695.5	20.05	7.17	1241	595	1653
24	6	18	24	5	19	1700.5	20.05	2.38	1238	596	1659
24	6	18	24	7	17	1715.5	20.05	2.74	1230	594	1655
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24	7	18	25	6	19	1721.3	20.06	7.69	1227	594	1658
24	7	18	25	8	17	1736.4	20.06	0.26	1221	591	1650
24	8	16	23	7	17	1681.3	22.35	0.24	1234	592	1654
24	8	16	23	9	15	1694.6	22.35	5.96	1225	590	1633
24	8	16	24	7	17	1701.3	22.35	2.85	1223	591	1656
24	8	16	24	9	15	1714.7	22.35	3.16	1216	588	1650
24	8	16	25	9	17	1722.2	22.35	6.44	1214	588	1648
24	9	16	23	8	15	1694.6	22.66	5.96	1225	590	1642
24	9	16	24	8	17	1701.3	22.66	2.85	1223	591	1640
24	9	16	24	10	15	1714.7	22.66	3.16	1216	588	1617
24	9	16	25	8	17	1722.2	22.66	6.44	1214	588	1638
24	9	16	25	10	15	1735.5	22.66	0.38	1210	585	1628
24	10	14	23	9	15	1682.1	23.76	0.36	1220	587	1605
24	10	14	23	11	13	1693.8	23.76	4.93	1214	584	1623
24	10	14	24	9	15	1702.2	23.76	3.22	1213	585	1601
24	10	14	24	11	13	1713.8	16.71	3.50	1204	582	1667
24	10	14	25	11	15	1723.0	16.71	5.37	1204	583	1673
24	11	14	23	10	13	1693.8	16.71	4.93	1214	584	1676
24	11	14	24	10	15	1702.2	16.71	3.22	1213	585	1667
24	11	14	24	12	13	1713.8	16.71	3.50	1204	582	1673
24	11	14	25	10	15	1723.0	16.71	5.37	1204	583	1676
24	11	14	25	12	13	1734.7	16.71	0.52	1197	580	1674
24	12	12	23	11	13	1683.0	22.57	0.50	1204	581	1666
24	12	12	23	13	11	1692.9	22.57	4.03	1194	578	1666
24	12	12	24	11	13	1703.0	22.57	3.54	1194	579	1672
24	12	12	24	13	11	1712.9	22.57	3.80	1187	575	1665
24	12	12	25	13	13	1723.9	22.57	4.45	1187	577	1673

24	13	12	23	12	11	1692.9	22.57	4.03	1194	578	1666
24	13	12	24	12	13	1703.0	22.57	3.54	1194	579	1672
24	13	12	24	14	11	1712.9	22.57	3.80	1187	576	1665
24	13	12	25	12	13	1723.9	22.57	4.45	1187	577	1673
24	13	12	25	14	11	1733.8	22.57	0.68	1180	574	1660
24	14	10	23	13	11	1693.9	26.73	0.65	1188	575	1656
24	14	10	23	15	9	1692.1	26.73	3.20	1176	571	1649
24	14	10	24	13	11	1703.9	26.73	3.85	1180	572	1655
24	14	10	24	15	9	1712.1	26.73	4.10	1169	569	1648
24	14	10	25	15	11	1724.7	26.73	3.61	1173	570	1650
24	15	10	23	14	9	1692.1	26.73	3.20	1176	571	1652
24	15	10	24	14	11	1703.9	26.73	3.85	1181	572	1655
24	15	10	24	16	9	1712.1	26.73	4.10	1170	569	1644
24	15	10	25	14	11	1724.7	26.73	3.61	1173	570	1650
24	15	10	25	16	9	1732.8	26.73	0.83	1161	566	1637
24	15	8	23	15	9	1694.9	28.94	0.80	1161	567	1643
24	15	8	23	17	7	1691.2	28.94	2.29	1149	564	1621
24	16	8	24	15	9	1704.8	28.94	4.20	1154	565	1642
24	16	8	24	17	7	1710.9	28.94	4.55	1132	561	1632
24	16	8	25	17	9	1725.6	28.94	2.77	1146	563	1630
24	17	8	23	16	7	1691.1	29.40	2.32	1144	564	1631
24	17	8	24	16	9	1704.8	29.40	4.19	1156	566	1629
24	17	8	24	18	7	1711.1	29.40	4.47	1143	563	1609
24	17	8	25	16	9	1725.6	29.40	2.76	1147	563	1622
24	17	8	25	18	7	1731.5	29.40	0.97	1125	559	1613
24	18	6	23	17	7	1686.5	30.62	1.03	1124	560	1601
24	18	6	23	19	5	1691.7	30.62	0.66	1130	559	1612
24	18	6	24	17	7	1706.3	30.62	5.27	1104	557	1595
24	18	6	24	19	5	1709.8	24.24	5.99	1096	554	1678
24	18	6	25	19	7	1727.2	24.24	1.98	1110	556	1681
24	19	6	23	18	5	1689.1	24.24	2.13	1125	559	1678
24	19	6	24	18	7	1705.6	24.24	4.44	1140	561	1682
24	19	6	24	20	5	1710.8	24.24	4.09	1150	561	1678
24	19	6	25	18	7	1726.0	24.24	1.37	1121	556	1681
24	19	6	25	20	5	1729.5	24.24	2.17	1124	555	1678
24	20	4	23	19	5	1698.0	24.24	3.07	1156	562	1682
24	20	4	23	21	3	1693.8	24.24	0.14	1183	566	1673
24	20	4	24	19	5	1706.1	30.09	4.41	1126	557	1670
24	20	4	24	21	3	1711.0	30.09	3.32	1166	562	1663
24	20	4	25	21	5	1729.0	30.09	3.55	1151	559	1670
25	1	24	24	2	23	1697.2	30.09	11.26	1266	603	1657
25	1	24	25	0	25	1697.9	30.09	0.51	1265	603	1665
25	1	24	25	2	23	1718.1	30.09	1.01	1255	602	1663
25	1	24	26	2	25	1719.7	30.09	11.90	1253	602	1670
25	2	24	24	1	23	1697.2	30.09	11.26	1266	603	1658
25	2	24	25	1	25	1697.9	30.09	0.51	1265	603	1665
25	2	24	25	3	23	1718.1	30.09	1.01	1255	602	1648
25	2	24	26	1	25	1719.7	34.23	11.90	1253	602	1649
25	2	24	26	3	23	1739.8	34.23	0.03	1244	600	1637
25	3	22	24	2	23	1677.9	34.23	0.03	1260	601	1643
25	3	22	24	4	21	1696.3	34.23	9.36	1251	600	1630
25	3	22	25	2	23	1698.8	34.23	1.34	1249	600	1634
25	3	22	25	4	21	1717.2	34.24	1.78	1241	598	1640
25	3	22	25	4	23	1720.5	34.24	9.93	1238	598	1643

25	4	22	24	3	21	1696.3	34.24	9.36	1251	600	1628
25	4	22	25	3	23	1698.8	34.24	1.34	1249	600	1634
25	4	22	25	5	21	1717.2	34.24	1.78	1241	598	1615
25	4	22	26	3	23	1720.5	36.35	9.93	1238	598	1626
25	4	22	26	5	21	1738.9	36.35	0.09	1229	596	1607
25	5	20	24	4	21	1678.7	36.35	0.09	1242	598	1619
25	5	20	24	6	19	1695.5	36.35	7.79	1235	596	1610
25	5	20	25	4	21	1699.6	36.35	1.98	1231	596	1607
25	5	20	25	6	19	1716.4	36.99	2.35	1224	594	1616
25	5	20	26	6	21	1721.3	36.99	8.31	1220	594	1614
25	6	20	24	5	19	1695.5	36.99	7.79	1235	596	1599
25	6	20	25	5	21	1699.6	36.99	1.98	1231	596	1601
25	6	20	25	7	19	1716.4	36.99	2.35	1224	594	1596
25	6	20	26	5	21	1721.3	38.35	8.31	1220	594	1595
25	6	20	26	7	19	1738.1	38.35	0.18	1214	592	1599
25	7	18	24	6	19	1679.6	38.35	0.17	1228	593	1589
25	7	18	24	8	17	1694.6	25.06	6.49	1220	591	1683
25	7	18	25	6	19	1700.5	25.06	2.47	1217	592	1684
25	7	18	25	8	17	1715.5	25.06	2.80	1211	589	1685
25	7	18	26	8	19	1722.2	25.06	6.97	1207	589	1683
25	8	18	24	7	17	1694.6	25.06	6.49	1220	591	1684
25	8	18	25	7	19	1700.5	25.06	2.47	1217	592	1685
25	8	18	25	9	17	1715.5	25.06	2.80	1211	589	1679
25	8	18	26	7	19	1722.2	32.60	6.97	1207	589	1679
25	8	18	26	9	17	1737.2	32.60	0.29	1205	586	1676
25	9	16	24	8	17	1680.4	32.60	0.27	1217	589	1679
25	9	16	24	10	15	1693.8	32.60	5.40	1212	586	1670
25	9	16	25	8	17	1701.3	32.60	2.86	1209	586	1674
25	9	16	25	10	15	1714.7	32.60	3.14	1202	583	1676
25	9	16	26	10	17	1723.0	32.60	5.84	1199	584	1679
25	10	16	24	9	15	1693.8	32.60	5.40	1212	586	1670
25	10	16	25	9	17	1701.3	32.60	2.86	1209	586	1674
25	10	16	25	11	15	1714.7	32.60	3.14	1202	583	1661
25	10	16	26	9	17	1723.0	38.44	5.84	1199	584	1663
25	10	16	26	11	15	1736.4	38.44	0.41	1195	581	1650
25	11	14	24	10	15	1681.3	38.44	0.38	1204	583	1657
25	11	14	24	12	13	1693.0	38.44	4.47	1194	580	1641
25	11	14	25	10	15	1702.2	38.44	3.17	1194	581	1648
25	11	14	25	12	13	1713.8	38.44	3.43	1187	578	1650
25	11	14	26	12	15	1723.9	38.44	4.88	1186	578	1657
25	12	14	24	11	13	1693.0	38.44	4.47	1194	580	1641
25	12	14	25	11	15	1702.2	38.44	3.17	1194	581	1648
25	12	14	25	13	13	1713.8	38.44	3.43	1187	578	1625
25	12	14	26	11	15	1723.9	42.55	4.88	1186	578	1630
25	12	14	26	13	13	1735.5	42.55	0.54	1181	576	1615
25	13	12	24	12	13	1692.2	42.55	0.51	1190	576	1621
25	13	12	24	14	11	1692.1	42.55	3.65	1182	573	1602
25	13	12	25	12	13	1703.0	42.55	3.45	1183	574	1608
25	13	12	25	14	11	1712.9	42.58	3.68	1175	571	1620
25	13	12	26	14	13	1724.7	42.58	4.03	1176	572	1624
25	14	12	24	13	11	1692.1	42.58	3.65	1182	573	1609
25	14	12	25	13	13	1703.0	42.58	3.45	1183	574	1608
25	14	12	25	15	11	1712.9	42.58	3.68	1176	571	1589
25	14	12	25	13	13	1724.7	44.61	4.03	1176	572	1603

25	14	12	26	15	11	1734.6	44.61	0.68	1168	569	1589
25	15	10	24	14	11	1683.1	44.61	0.65	1172	570	1590
25	15	10	24	16	9	1691.2	44.61	2.89	1161	567	1586
25	15	10	25	14	11	1703.9	44.61	3.71	1164	568	1582
25	15	10	25	16	9	1712.0	45.44	3.95	1152	565	1598
25	15	10	26	16	11	1725.6	45.44	3.26	1157	566	1595
25	16	10	24	15	9	1691.2	45.44	2.89	1161	567	1588
25	16	10	25	15	11	1703.9	45.44	3.71	1165	568	1576
25	16	10	25	17	9	1712.0	45.44	3.95	1153	565	1581
25	16	10	26	15	11	1725.6	46.94	3.26	1157	566	1588
25	16	10	25	17	9	1733.6	46.94	0.82	1147	563	1586
25	17	8	24	16	9	1694.1	46.94	0.78	1146	563	1582
25	17	8	24	18	7	1690.4	34.26	2.00	1133	560	1682
25	17	8	25	16	9	1704.9	34.26	4.05	1137	560	1683
25	17	8	25	18	7	1710.8	34.26	4.42	1114	555	1677
25	17	8	26	18	9	1726.5	34.26	2.48	1133	559	1679
25	18	8	24	17	7	1690.2	34.26	2.06	1127	560	1682
25	18	8	25	17	9	1704.8	34.26	4.04	1141	562	1683
25	18	8	25	19	7	1711.1	34.26	4.28	1132	558	1677
25	18	8	25	17	9	1726.4	34.26	2.47	1134	559	1679
25	18	8	26	19	7	1732.2	34.26	0.94	1107	553	1668
25	19	6	24	18	7	1685.9	41.79	1.07	1109	554	1671
25	19	6	24	20	5	1691.2	41.79	0.50	1118	555	1662
25	19	6	25	18	7	1706.4	41.79	5.28	1085	550	1666
25	19	6	25	20	5	1709.9	41.79	5.43	1089	549	1653
25	19	6	26	20	7	1728.3	41.79	1.86	1097	550	1657
25	20	6	24	19	5	1698.1	41.79	2.15	1118	555	1662
25	20	6	25	19	7	1705.5	41.79	4.17	1132	557	1666
25	20	6	25	21	5	1710.9	41.79	3.75	1145	557	1653
25	20	6	26	19	7	1726.6	41.79	1.06	1105	551	1657
25	20	6	26	21	5	1730.2	41.79	2.33	1117	552	1641
26	0	26	25	1	25	1697.2	47.63	12.21	1264	603	1647
26	0	26	26	1	25	1718.9	47.63	0.51	1252	602	1631
26	0	26	27	1	27	1719.6	47.63	12.86	1251	601	1638
26	1	26	25	0	25	1697.2	47.63	12.21	1264	603	1615
26	1	26	26	2	25	1718.9	47.63	0.51	1252	602	1624
26	1	26	27	0	27	1719.6	47.63	12.86	1251	601	1631
26	1	26	27	2	25	1741.5	47.63	0.01	1241	600	1638
26	2	24	25	1	25	1676.2	47.63	0.01	1257	601	1618
26	2	24	25	3	23	1696.3	47.63	10.12	1247	600	1624
26	2	24	26	1	25	1697.9	47.63	0.90	1245	599	1600
26	2	24	26	3	23	1718.1	51.69	1.35	1236	598	1606
26	2	24	27	3	25	1720.5	51.69	10.71	1234	598	1590
26	3	24	25	2	23	1696.3	51.69	10.12	1247	600	1590
26	3	24	26	2	25	1697.9	51.69	0.90	1245	599	1571
26	3	24	26	4	23	1718.1	51.69	1.35	1236	598	1576
26	3	24	27	2	25	1720.5	51.76	10.71	1234	598	1590
26	3	24	27	4	23	1740.6	51.76	0.05	1224	596	1596
26	4	22	25	3	23	1677.0	51.76	0.05	1236	598	1582
26	4	22	25	5	21	1695.5	51.76	8.42	1228	596	1578
26	4	22	26	3	23	1698.8	51.76	1.59	1225	596	1556
26	4	22	26	5	21	1717.2	53.70	1.97	1216	595	1579
26	4	22	27	5	23	1721.3	53.70	8.95	1213	594	1571
26	5	22	25	4	21	1695.5	53.70	8.42	1228	596	1559

26	5	22	26	4	23	1698.8	53.70	1.59	1225	596	1565
26	5	22	26	6	21	1717.2	53.70	1.97	1216	595	1556
26	5	22	27	4	23	1721.3	54.76	8.95	1213	594	1580
26	5	22	27	6	21	1739.8	54.76	0.12	1206	592	1576
26	6	20	25	5	21	1677.9	54.76	0.11	1221	594	1577
26	6	20	25	7	19	1694.6	54.76	7.02	1213	592	1550
26	6	20	26	5	21	1699.6	54.76	2.11	1209	592	1566
26	5	20	26	7	19	1716.4	56.40	2.44	1203	589	1583
26	6	20	27	7	21	1722.2	56.40	7.50	1198	589	1576
26	7	20	25	6	19	1694.6	56.40	7.02	1213	592	1578
26	7	20	26	6	21	1699.6	35.08	2.11	1209	592	1684
26	7	20	26	8	19	1716.4	35.08	2.44	1203	589	1680
26	7	20	27	6	21	1722.2	35.08	7.50	1198	589	1680
26	7	20	27	8	19	1738.9	35.08	0.21	1198	587	1684
26	8	18	25	7	19	1678.7	35.08	0.19	1210	590	1680
26	8	18	25	9	17	1693.8	35.08	5.86	1206	587	1680
26	8	18	26	7	19	1700.5	35.08	2.51	1203	587	1670
26	8	18	26	9	17	1715.5	44.29	2.80	1196	584	1676
26	8	18	27	9	19	1723.0	44.29	6.29	1193	585	1669
26	9	18	25	8	17	1693.8	44.29	5.86	1206	587	1671
26	9	18	26	8	19	1700.5	44.29	2.51	1203	587	1660
26	9	18	26	10	17	1715.5	44.29	2.80	1196	584	1662
26	9	18	27	8	19	1723.0	44.29	6.29	1193	585	1669
26	9	18	27	10	17	1738.1	44.29	0.31	1189	582	1671
26	10	16	25	9	17	1679.6	44.29	0.29	1200	584	1660
26	10	16	25	11	15	1693.0	44.29	4.88	1192	581	1662
26	10	16	26	9	17	1701.3	44.29	2.83	1190	582	1649
26	10	16	26	11	15	1714.7	51.82	3.08	1185	579	1656
26	10	16	27	11	17	1723.9	51.82	5.28	1182	579	1644
26	11	16	25	10	15	1693.0	51.82	4.88	1192	581	1647
26	11	16	26	10	17	1701.3	51.82	2.83	1190	582	1630
26	11	16	26	12	15	1714.7	51.82	3.08	1185	579	1636
26	11	16	27	10	17	1723.9	51.82	5.28	1182	579	1644
26	11	16	27	12	15	1737.2	51.82	0.42	1178	577	1647
26	12	14	25	11	15	1680.5	51.82	0.40	1189	578	1631
26	12	14	25	13	13	1692.1	51.82	4.04	1182	575	1636
26	12	14	26	11	15	1702.2	51.82	3.09	1182	575	1613
26	12	14	26	13	13	1713.8	57.64	3.32	1176	573	1620
26	12	14	27	13	15	1724.7	57.64	4.41	1176	574	1599
26	13	14	25	12	13	1692.1	57.64	4.04	1182	575	1605
26	13	14	26	12	15	1702.2	57.64	3.09	1182	575	1581
26	13	14	26	14	13	1713.8	57.64	3.32	1176	573	1588
26	13	14	27	12	15	1724.7	57.64	4.41	1176	574	1597
26	13	14	27	14	13	1736.3	57.64	0.54	1169	571	1606
26	14	12	25	13	13	1681.4	57.64	0.52	1175	572	1583
26	14	12	25	15	11	1691.3	57.64	3.29	1167	569	1588
26	14	12	26	13	13	1703.0	57.64	3.32	1168	570	1567
26	14	12	26	15	11	1712.9	61.63	3.54	1160	567	1577
26	14	12	27	15	13	1725.5	61.63	3.65	1161	568	1564
26	15	12	25	14	11	1691.3	61.63	3.29	1167	569	1560
26	15	12	26	14	13	1703.0	61.63	3.32	1168	570	1538
26	15	12	26	16	11	1712.9	61.63	3.54	1160	567	1547
26	15	12	27	14	13	1725.5	61.76	3.65	1161	569	1561
26	15	12	27	16	11	1735.4	61.76	0.67	1157	565	1566

26	16	10	25	15	11	1682.3	61.76	0.64	1159	566	1557
26	16	10	25	17	9	1690.4	61.76	2.59	1148	563	1550
26	16	10	26	15	11	1703.9	61.76	3.56	1152	564	1525
26	16	10	25	17	9	1712.0	63.65	3.78	1141	560	1557
26	16	10	27	17	11	1726.4	63.65	2.94	1149	561	1557
26	17	10	25	16	9	1690.4	63.65	2.59	1147	562	1531
26	17	10	26	16	11	1703.9	63.65	3.56	1152	564	1546
26	17	10	26	18	9	1712.0	63.65	3.78	1143	561	1534
26	17	10	27	16	11	1726.4	64.93	2.94	1149	562	1566
26	17	10	27	18	9	1734.4	64.93	0.79	1135	557	1557
26	18	8	25	17	9	1693.3	64.93	0.75	1132	558	1568
26	18	8	25	19	7	1699.6	64.93	1.72	1123	555	1525
26	18	8	26	17	9	1704.9	64.93	3.88	1124	555	1554
26	18	8	26	19	7	1710.7	66.73	4.30	1095	549	1578
26	18	8	27	19	9	1727.4	66.73	2.20	1119	553	1567
26	19	8	25	18	7	1689.2	66.73	1.82	1111	554	1575
26	19	8	26	18	9	1704.9	45.95	3.86	1132	557	1672
26	19	8	26	20	7	1711.1	45.95	4.06	1122	555	1672
26	19	8	27	18	9	1727.3	45.95	2.18	1124	554	1663
26	19	8	27	20	7	1732.8	45.95	0.92	1094	548	1663
26	20	6	25	19	7	1685.4	45.95	1.12	1098	550	1672
26	20	6	25	21	5	1690.8	45.95	0.38	1111	551	1672
26	20	6	26	19	7	1706.4	45.95	5.20	1070	544	1663
26	20	6	26	21	5	1710.0	45.95	4.78	1082	546	1663
26	20	6	27	21	7	1729.4	45.95	1.79	1087	546	1652
27	1	26	26	2	25	1696.3	55.16	10.93	1244	599	1661
27	1	26	27	0	27	1697.1	55.16	0.46	1243	599	1650
27	1	26	27	2	25	1718.9	55.16	0.91	1233	598	1652
27	1	26	28	2	27	1720.5	55.16	11.52	1231	598	1639
27	2	26	26	1	25	1696.3	55.16	10.93	1244	599	1641
27	2	26	27	1	27	1697.1	55.16	0.46	1243	599	1650
27	2	26	27	3	25	1718.9	55.16	0.91	1233	598	1652
27	2	26	28	1	27	1720.5	55.16	11.52	1231	598	1639
27	2	26	28	3	25	1742.3	55.16	0.03	1220	596	1641
27	3	24	26	2	25	1675.3	55.16	0.02	1232	598	1621
27	3	24	26	4	23	1695.5	62.68	9.07	1223	596	1632
27	3	24	27	2	25	1697.9	62.68	1.20	1221	596	1612
27	3	24	27	4	23	1718.1	62.68	1.59	1210	594	1618
27	3	24	28	4	25	1721.3	62.68	9.60	1208	594	1595
27	4	24	26	3	23	1695.5	62.68	9.07	1223	596	1599
27	4	24	27	3	25	1697.9	62.68	1.20	1221	596	1612
27	4	24	27	5	23	1718.1	62.68	1.59	1210	594	1618
27	4	24	28	3	25	1721.3	62.68	9.60	1208	594	1595
27	4	24	28	5	23	1741.5	62.68	0.08	1200	592	1599
27	5	22	26	4	23	1676.2	62.68	0.07	1214	594	1581
27	5	22	25	6	21	1694.6	68.49	7.55	1205	592	1591
27	5	22	27	4	23	1698.8	68.49	1.75	1202	592	1568
27	5	22	27	6	21	1717.2	68.49	2.09	1194	589	1573
27	5	22	28	6	23	1722.2	68.49	8.03	1190	589	1552
27	6	22	26	5	21	1694.6	68.49	7.55	1205	592	1559
27	6	22	27	5	23	1698.8	68.49	1.75	1202	592	1567
27	6	22	27	7	21	1717.2	68.49	2.09	1194	589	1573
27	6	22	28	5	23	1722.2	68.49	8.03	1190	589	1553
27	6	22	28	7	21	1740.6	68.49	0.15	1188	587	1559

27	7	20	26	6	21	1677.1	68.49	0.14	1202	590	1536
27	7	20	26	8	19	1693.8	72.38	6.30	1199	587	1543
27	7	20	27	6	21	1699.6	72.38	2.18	1194	587	1534
27	7	20	27	8	19	1716.4	72.38	2.47	1189	585	1527
27	7	20	28	8	21	1723.0	72.38	6.74	1184	585	1502
27	8	20	26	7	19	1693.8	72.38	6.30	1199	587	1514
27	8	20	27	7	21	1699.6	72.60	2.18	1195	587	1530
27	8	20	27	9	19	1716.4	72.60	2.47	1189	585	1539
27	8	20	28	7	21	1723.0	72.60	6.74	1184	585	1533
27	8	20	28	9	19	1739.7	72.60	0.23	1181	582	1521
27	9	18	26	8	19	1677.9	72.60	0.22	1193	585	1498
27	9	18	26	10	17	1693.0	74.47	5.26	1187	582	1534
27	9	18	27	8	19	1700.5	74.47	2.51	1183	583	1545
27	9	18	27	10	17	1715.5	74.47	2.76	1178	580	1502
27	9	18	28	10	19	1723.9	74.47	5.66	1175	580	1530
27	10	18	26	9	17	1693.0	74.47	5.26	1187	582	1515
27	10	18	27	9	19	1700.5	75.97	2.51	1183	583	1553
27	10	18	27	11	17	1715.5	75.97	2.76	1178	580	1541
27	10	18	28	9	19	1723.9	75.97	5.66	1175	580	1561
27	10	18	28	11	17	1738.9	75.97	0.33	1172	578	1506
27	11	16	26	10	17	1678.8	75.97	0.31	1185	579	1543
27	11	16	26	12	15	1692.1	77.93	4.38	1180	576	1574
27	11	16	27	10	17	1701.3	77.93	2.77	1177	576	1560
27	11	16	27	12	15	1714.7	77.93	2.99	1174	574	1571
27	11	16	28	12	17	1724.7	46.76	4.75	1171	575	1672
27	12	16	26	11	15	1692.1	46.76	4.38	1180	576	1663
27	12	16	27	11	17	1701.3	46.76	2.77	1177	576	1662
27	12	16	27	13	15	1714.7	46.76	2.99	1174	574	1672
27	12	16	28	11	17	1724.7	46.76	4.75	1171	575	1663
27	12	16	28	13	15	1738.0	46.76	0.43	1167	572	1662
27	13	14	26	12	15	1679.6	46.76	0.41	1174	574	1651
27	13	14	26	14	13	1691.3	57.66	3.63	1168	571	1662
27	13	14	27	12	15	1702.2	57.66	2.98	1168	572	1653
27	13	14	27	14	13	1713.8	57.66	3.18	1161	569	1653
27	13	14	28	14	15	1725.5	57.66	3.97	1161	570	1641
27	14	14	26	13	13	1691.3	57.66	3.63	1168	571	1641
27	14	14	27	13	15	1702.2	57.66	2.98	1168	572	1653
27	14	14	27	15	13	1713.8	57.66	3.18	1161	569	1653
27	14	14	28	13	15	1725.5	57.66	3.97	1161	570	1641
27	14	14	28	15	13	1737.1	57.66	0.54	1158	567	1641
27	15	12	26	14	13	1690.5	57.66	0.52	1163	568	1621
27	15	12	26	16	11	1690.4	66.86	2.96	1155	565	1636
27	15	12	27	14	13	1703.0	66.86	3.18	1156	566	1621
27	15	12	27	16	11	1712.9	66.86	3.37	1152	563	1625
27	15	12	28	16	13	1726.4	66.86	3.28	1153	564	1602
27	15	12	26	15	11	1690.4	66.86	2.96	1155	565	1603
27	16	12	27	15	13	1703.0	66.86	3.18	1156	566	1621
27	16	12	27	17	11	1712.9	66.86	3.37	1152	563	1625
27	16	12	28	15	13	1726.4	66.86	3.28	1153	564	1602
27	16	12	28	17	11	1736.2	66.86	0.66	1146	561	1603
27	17	10	26	16	11	1681.5	66.86	0.63	1147	562	1588
27	17	10	26	18	9	1699.5	74.37	2.31	1137	558	1602
27	17	10	27	16	11	1704.0	74.37	3.39	1144	559	1579
27	17	10	27	18	9	1712.0	74.37	3.60	1130	555	1584

27	17	10	28	18	11	1727.3	74.37	2.63	1137	558	1565
27	18	10	26	17	9	1689.5	74.37	2.31	1137	558	1570
27	18	10	27	17	11	1704.0	74.37	3.39	1144	559	1579
27	18	10	27	19	9	1712.0	74.37	3.60	1131	556	1584
27	18	10	28	17	11	1727.3	74.37	2.63	1137	558	1566
27	18	10	28	19	9	1735.2	74.37	0.76	1122	553	1570
27	19	8	25	18	9	1682.6	74.37	0.72	1115	554	1551
27	19	8	26	20	7	1698.9	80.16	1.44	1106	551	1559
27	19	8	27	18	9	1705.0	80.16	3.70	1108	550	1539
27	19	8	27	20	7	1710.6	80.16	4.21	1077	545	1545
27	19	8	28	20	9	1728.3	80.16	1.94	1102	549	1521
27	20	8	26	19	7	1698.2	80.16	1.60	1095	549	1530
27	20	8	27	19	9	1704.9	80.16	3.66	1118	553	1538
27	20	8	27	21	7	1711.1	80.16	3.82	1112	550	1545
27	20	8	28	19	9	1728.1	80.16	1.91	1109	550	1525
27	20	8	28	21	7	1733.4	80.16	0.91	1080	544	1530
28	0	28	27	1	27	1696.3	80.16	11.77	1242	599	1505
28	0	28	28	1	27	1719.8	83.93	0.46	1231	598	1507
28	0	28	29	1	29	1720.5	83.93	12.38	1230	597	1502
28	1	28	27	0	27	1696.3	83.93	11.77	1242	599	1489
28	1	28	28	2	27	1719.8	83.93	0.46	1231	598	1466
28	1	28	29	0	29	1720.5	83.93	12.38	1230	597	1479
28	1	28	29	2	27	1744.0	84.27	0.01	1216	596	1499
28	2	26	27	1	27	1673.7	84.27	0.01	1228	597	1511
28	2	26	27	3	25	1695.5	84.27	9.74	1218	596	1512
28	2	26	28	1	27	1697.1	84.27	0.80	1217	596	1491
28	2	26	28	3	25	1718.9	84.27	1.20	1205	594	1474
28	2	26	29	3	27	1721.3	86.15	10.28	1202	594	1515
28	3	26	27	2	25	1695.5	86.15	9.74	1218	596	1535
28	3	26	28	2	27	1697.1	86.15	0.80	1217	596	1480
28	3	26	28	4	25	1718.9	86.15	1.20	1205	594	1518
28	3	26	29	2	27	1721.3	86.15	10.28	1202	594	1501
28	3	26	29	4	25	1743.1	87.87	0.04	1197	591	1545
28	4	24	27	3	25	1674.5	87.87	0.04	1208	593	1529
28	4	24	27	5	23	1694.7	87.87	8.10	1198	592	1555
28	4	24	28	3	25	1697.9	87.87	1.40	1196	591	1492
28	4	24	28	5	23	1718.1	87.87	1.75	1187	589	1537
28	4	24	29	5	25	1722.2	90.00	8.58	1188	588	1571
28	5	24	27	4	23	1694.7	90.00	8.10	1198	592	1553
28	5	24	28	4	25	1697.9	90.00	1.40	1196	591	1568
28	5	24	28	6	23	1718.1	59.31	1.75	1187	589	1652
28	5	24	29	4	25	1722.2	59.31	8.58	1188	588	1651
28	5	24	29	6	23	1742.3	59.31	0.10	1184	587	1640
28	6	22	27	5	23	1675.4	59.31	0.09	1194	590	1638
28	6	22	27	7	21	1693.8	59.31	6.75	1190	587	1652
28	6	22	28	5	23	1698.8	59.31	1.86	1186	587	1651
28	6	22	28	7	21	1717.2	59.31	2.15	1179	585	1640
28	6	22	29	7	23	1723.0	59.31	7.18	1175	585	1638
28	7	22	27	6	21	1693.8	59.31	6.75	1190	587	1619
28	7	22	28	6	23	1698.8	70.20	1.86	1186	587	1636
28	7	22	28	8	21	1717.2	70.20	2.15	1179	585	1625
28	7	22	29	6	23	1723.0	70.20	7.18	1175	585	1624
28	7	22	29	8	21	1741.4	70.20	0.17	1171	582	1603
28	8	20	27	7	21	1676.2	70.20	0.16	1184	585	1603

28	8	20	27	9	19	1693.0	70.20	5.64	1178	583	1625
28	8	20	28	7	21	1699.6	70.20	2.20	1174	583	1624
28	8	20	28	9	19	1716.4	70.20	2.45	1171	580	1603
28	8	20	29	9	21	1723.8	70.20	6.03	1165	580	1603
28	9	20	27	8	19	1693.0	70.20	5.64	1178	583	1588
28	9	20	28	8	21	1699.6	79.40	2.20	1174	583	1607
28	9	20	28	10	19	1716.4	79.40	2.45	1171	580	1586
28	9	20	29	8	21	1723.8	79.40	6.03	1165	580	1587
28	9	20	29	10	19	1740.6	79.40	0.25	1164	578	1572
28	10	18	27	9	19	1677.1	79.40	0.23	1178	580	1573
28	10	18	27	11	17	1692.1	79.40	4.71	1174	577	1586
28	10	18	28	9	19	1700.5	79.40	2.46	1171	577	1587
28	10	18	28	11	17	1715.5	79.40	2.69	1168	575	1572
28	10	18	29	11	19	1724.7	79.40	5.07	1164	575	1573
28	11	18	27	10	17	1692.1	79.40	4.71	1174	577	1558
28	11	18	28	10	19	1700.5	86.89	2.46	1171	577	1570
28	11	18	28	12	17	1715.5	86.89	2.69	1168	575	1551
28	11	18	29	10	19	1724.7	86.89	5.07	1164	575	1556
28	11	18	29	12	17	1739.7	86.89	0.34	1161	573	1537
28	12	16	27	11	17	1678.0	86.89	0.32	1170	575	1541
28	12	16	27	13	15	1691.3	86.89	3.93	1166	572	1551
28	12	16	28	11	17	1701.3	86.89	2.67	1164	573	1556
28	12	16	28	13	15	1714.6	86.89	2.87	1159	571	1537
28	12	16	29	13	17	1725.5	86.89	4.26	1157	571	1541
28	13	16	27	12	15	1691.3	86.89	3.93	1166	572	1523
28	13	16	28	12	17	1701.3	92.65	2.67	1164	573	1530
28	13	16	28	14	15	1714.6	92.65	2.87	1159	571	1510
28	13	16	29	12	17	1725.5	92.65	4.26	1157	571	1516
28	13	16	29	14	15	1738.8	92.65	0.43	1157	568	1491
28	14	14	27	13	15	1678.8	92.65	0.41	1163	569	1503
28	14	14	27	15	13	1690.4	92.66	3.25	1156	567	1508
28	14	14	28	13	15	1702.2	92.66	2.85	1156	568	1517
28	14	14	28	15	13	1713.8	92.66	3.03	1154	565	1498
28	14	14	29	15	15	1726.4	92.66	3.56	1153	565	1503
28	15	14	27	14	13	1690.4	92.66	3.25	1156	567	1474
28	15	14	28	14	15	1702.2	96.28	2.85	1156	568	1476
28	15	14	28	16	13	1713.8	96.28	3.03	1154	565	1477
28	15	14	29	14	15	1726.4	96.28	3.56	1153	565	1457
28	15	14	29	16	13	1737.9	96.28	0.53	1148	563	1441
28	16	12	27	15	13	1679.7	96.28	0.51	1151	564	1451
28	16	12	27	17	11	1689.6	96.79	2.64	1147	561	1475
28	16	12	28	15	13	1703.1	96.79	3.01	1148	562	1489
28	16	12	28	17	11	1712.9	96.79	3.19	1141	559	1496
28	16	12	29	17	13	1727.2	96.79	2.94	1143	560	1464
28	17	12	27	16	11	1689.6	96.79	2.64	1147	561	1457
28	17	12	28	16	13	1703.1	98.72	3.01	1149	562	1503
28	17	12	28	18	11	1712.9	98.72	3.19	1142	559	1529
28	17	12	29	16	13	1727.2	98.72	2.94	1143	560	1467
28	17	12	29	18	11	1737.0	98.72	0.63	1137	556	1511
28	18	10	27	17	11	1680.7	98.72	0.60	1135	556	1492
28	18	10	27	19	9	1688.7	100.64	2.05	1123	553	1536
28	18	10	28	17	11	1704.0	100.64	3.21	1129	555	1519
28	18	10	28	19	9	1711.9	100.64	3.40	1114	550	1550
28	18	10	29	19	11	1728.1	100.64	2.35	1124	552	1481

28	19	10	27	18	9	1698.7	100.64	2.05	1123	553	1530
28	19	10	28	18	11	1704.0	102.94	3.21	1130	555	1568
28	19	10	28	20	9	1711.9	102.94	3.40	1116	551	1550
28	19	10	29	18	11	1728.1	102.94	2.35	1124	553	1565
28	19	10	29	20	9	1736.0	60.11	0.72	1109	548	1650
28	20	8	27	19	9	1681.9	60.11	0.68	1101	549	1637
28	20	8	27	21	7	1698.1	60.11	1.17	1095	546	1636
28	20	8	28	19	9	1705.1	60.11	3.51	1092	546	1650
28	20	8	28	21	7	1710.4	60.11	4.13	1063	540	1637
28	20	8	29	21	9	1729.2	60.11	1.70	1091	544	1636
29	1	28	28	2	27	1695.5	60.11	10.45	1215	596	1615
29	1	28	29	0	29	1696.2	72.69	0.41	1214	596	1634
29	1	28	29	2	27	1719.8	72.69	0.81	1201	594	1622
29	1	28	30	2	29	1721.3	72.69	11.00	1199	593	1621
29	2	28	28	1	27	1695.5	72.69	10.45	1215	596	1601
29	2	28	29	1	29	1696.2	72.69	0.41	1214	596	1598
29	2	28	29	3	27	1719.8	72.69	0.81	1201	594	1622
29	2	28	30	1	29	1721.3	72.69	11.00	1199	593	1621
29	2	28	30	3	27	1744.8	72.69	0.02	1191	591	1601
29	3	26	28	2	27	1672.8	72.69	0.02	1204	593	1598
29	3	26	28	4	25	1694.7	72.69	8.66	1192	591	1584
29	3	26	29	2	27	1697.1	83.57	1.06	1190	591	1607
29	3	26	29	4	25	1718.9	83.57	1.40	1187	588	1587
29	3	26	30	4	27	1722.1	83.57	9.15	1184	588	1585
29	4	26	28	3	25	1694.7	83.57	8.66	1192	591	1572
29	4	26	29	3	27	1697.1	83.57	1.06	1190	591	1570
29	4	26	29	5	25	1718.9	83.57	1.40	1187	588	1587
29	4	26	30	3	27	1722.1	83.57	9.15	1184	588	1585
29	4	26	30	5	25	1744.0	83.57	0.06	1176	586	1572
29	5	24	28	4	25	1673.7	83.57	0.06	1188	589	1570
29	5	24	28	6	23	1693.8	83.57	7.20	1182	587	1557
29	5	24	29	4	25	1697.9	92.76	1.54	1179	586	1573
29	5	24	29	6	23	1718.1	92.76	1.84	1171	585	1557
29	5	24	30	6	25	1723.0	92.76	7.64	1166	584	1558
29	6	24	28	5	23	1693.8	92.76	7.20	1182	587	1543
29	6	24	29	5	25	1697.9	92.76	1.54	1179	586	1543
29	6	24	29	7	23	1718.1	92.76	1.84	1171	585	1557
29	6	24	30	5	25	1723.0	92.76	7.64	1166	584	1558
29	6	24	30	7	23	1743.1	92.76	0.12	1163	581	1543
29	7	22	28	6	23	1674.5	92.76	0.11	1175	585	1543
29	7	22	28	8	21	1693.0	92.76	6.01	1168	583	1530
29	7	22	29	6	23	1698.8	100.25	1.90	1163	583	1541
29	7	22	29	8	21	1717.2	100.25	2.16	1160	580	1523
29	7	22	30	8	23	1723.8	100.25	6.40	1155	580	1527
29	8	22	28	7	21	1693.0	100.25	6.01	1168	583	1509
29	8	22	29	7	23	1698.8	100.25	1.90	1163	583	1513
29	8	22	29	9	21	1717.2	100.25	2.16	1160	580	1522
29	8	22	30	7	23	1723.8	100.25	6.40	1155	580	1527
29	8	22	30	9	21	1742.3	100.25	0.19	1153	578	1510
29	9	20	28	8	21	1675.4	100.25	0.17	1169	580	1514
29	9	20	28	10	19	1692.1	100.25	5.02	1166	577	1496
29	9	20	29	8	21	1699.6	105.97	2.18	1161	577	1503
29	9	20	29	10	19	1716.3	105.97	2.40	1160	575	1484
29	9	20	30	10	21	1724.7	105.97	5.38	1154	575	1489

29 10 20	28 9 19	1692.1	105.97	5.02	1166	577	1459
29 10 20	29 9 21	1699.6	105.97	2.18	1161	577	1476
29 10 20	29 11 19	1716.3	105.98	2.40	1160	575	1479
29 10 20	30 9 21	1724.7	105.98	5.38	1154	575	1491
29 10 20	30 11 19	1741.4	105.98	0.26	1152	573	1474
29 11 18	28 10 19	1676.3	105.98	0.24	1163	575	1477
29 11 18	28 12 17	1691.3	105.98	4.20	1160	573	1442
29 11 18	29 10 19	1700.5	109.44	2.39	1156	573	1449
29 11 18	29 12 17	1715.5	109.44	2.58	1153	571	1457
29 11 18	30 12 19	1725.5	109.44	4.52	1149	571	1424
29 12 18	28 11 17	1691.3	109.44	4.20	1160	573	1417
29 12 18	29 11 19	1700.5	109.44	2.39	1156	573	1424
29 12 18	29 13 17	1715.5	110.15	2.58	1153	571	1456
29 12 18	30 11 19	1725.5	110.15	4.52	1149	571	1466
29 12 18	30 13 17	1740.5	110.15	0.35	1151	569	1479
29 13 16	28 12 17	1677.1	110.15	0.32	1159	570	1435
29 13 16	28 14 15	1690.4	110.15	3.50	1155	568	1443
29 13 16	29 12 17	1701.3	112.16	2.55	1152	569	1495
29 13 16	29 14 15	1714.6	112.16	2.73	1152	566	1525
29 13 16	30 14 17	1726.4	112.16	3.80	1149	566	1456
29 14 16	28 13 15	1690.4	112.16	3.50	1155	568	1506
29 14 16	29 13 17	1701.3	112.16	2.55	1152	569	1483
29 14 16	29 15 15	1714.6	114.27	2.73	1152	566	1530
29 14 16	30 13 17	1726.4	114.27	3.80	1149	566	1511
29 14 16	30 15 15	1739.6	114.27	0.43	1147	564	1546
29 15 14	28 14 15	1678.0	114.27	0.40	1152	566	1474
29 15 14	28 16 13	1699.6	114.27	2.90	1150	563	1525
29 15 14	29 14 15	1702.2	116.74	2.70	1149	563	1565
29 15 14	29 16 13	1713.8	116.74	2.86	1144	561	1546
29 15 14	30 16 15	1727.2	116.74	3.18	1144	561	1564
29 16 14	28 15 13	1689.6	74.33	2.90	1150	563	1619
29 16 14	29 15 15	1702.2	74.33	2.70	1149	563	1618
29 16 14	29 17 13	1713.8	74.33	2.86	1144	561	1596
29 16 14	30 15 15	1727.2	74.33	3.18	1144	561	1594
29 16 14	30 17 13	1738.8	74.33	0.52	1142	558	1619
29 17 12	28 16 13	1678.9	74.33	0.49	1143	560	1618
29 17 12	28 18 11	1698.7	74.33	2.35	1135	557	1596
29 17 12	29 16 13	1703.1	74.33	2.84	1138	558	1594
29 17 12	29 18 11	1712.9	74.33	3.00	1129	554	1579
29 17 12	30 18 13	1728.1	86.90	2.62	1133	556	1603
29 18 12	28 17 11	1698.7	86.90	2.35	1135	557	1582
29 18 12	29 17 13	1703.1	86.90	2.84	1138	558	1580
29 18 12	29 19 11	1712.9	86.90	3.00	1130	555	1567
29 18 12	30 17 13	1728.1	86.90	2.62	1133	556	1564
29 18 12	30 19 11	1737.8	86.90	0.61	1125	553	1582
29 19 10	28 18 11	1679.9	86.90	0.58	1124	553	1580
29 19 10	28 20 9	1687.8	86.90	1.80	1111	549	1567
29 19 10	29 18 11	1704.0	86.90	3.01	1119	550	1564
29 19 10	29 20 9	1711.9	86.90	3.20	1103	546	1552
29 19 10	30 20 11	1729.0	97.78	2.08	1115	549	1570
29 20 10	28 19 9	1687.8	97.78	1.81	1110	549	1557
29 20 10	29 19 11	1704.0	97.78	3.01	1120	550	1555
29 20 10	29 21 9	1711.9	97.78	3.19	1109	547	1542
29 20 10	30 19 11	1729.0	97.78	2.08	1115	548	1540

29	20	10	30	21	9	1736.7	97.78	0.68	1098	544	1557
30	0	30	29	1	29	1695.5	97.78	11.20	1214	595	1555
30	0	30	30	1	29	1720.6	97.78	0.41	1199	593	1542
30	0	30	31	1	31	1721.3	97.78	11.76	1198	593	1540
30	1	30	29	0	29	1695.5	97.78	11.20	1214	595	1529
30	1	30	30	2	29	1720.6	106.96	0.41	1199	593	1544
30	1	30	31	0	31	1721.3	106.96	11.76	1198	593	1528
30	1	30	31	2	29	1746.5	106.96	0.01	1189	590	1529
30	2	28	29	1	29	1671.1	106.96	0.01	1201	593	1515
30	2	28	29	3	27	1694.7	106.96	9.25	1187	591	1515
30	2	28	30	1	29	1696.2	106.96	0.71	1186	590	1528
30	2	28	30	3	27	1719.7	106.96	1.06	1182	588	1529
30	2	28	31	3	29	1722.1	106.96	9.74	1180	587	1515
30	3	28	29	2	27	1694.7	106.96	9.25	1187	591	1515
30	3	28	30	2	29	1696.2	106.96	0.71	1186	590	1504
30	3	28	30	4	27	1719.7	114.43	1.06	1182	588	1514
30	3	28	31	2	29	1722.1	114.43	9.74	1180	587	1497
30	3	28	31	4	27	1745.7	114.43	0.04	1169	585	1500
30	4	26	29	3	27	1672.0	114.43	0.03	1183	589	1483
30	4	26	29	5	25	1693.8	114.43	7.67	1175	586	1489
30	4	26	30	3	27	1697.1	114.43	1.23	1172	586	1496
30	4	26	30	5	25	1718.9	114.43	1.53	1162	584	1501
30	4	26	31	5	27	1723.0	114.43	8.11	1158	584	1484
30	5	26	29	4	25	1693.8	114.43	7.67	1175	586	1489
30	5	26	30	4	27	1697.1	114.43	1.23	1172	586	1469
30	5	26	30	6	25	1718.9	120.10	1.53	1162	584	1474
30	5	26	31	4	27	1723.0	120.10	8.11	1158	584	1456
30	5	26	31	6	25	1744.8	120.10	0.08	1157	581	1459
30	6	24	29	5	25	1672.9	120.10	0.07	1171	584	1425
30	6	24	29	7	23	1693.0	120.10	6.38	1162	583	1447
30	6	24	30	5	25	1697.9	120.13	1.62	1158	582	1447
30	6	24	30	7	23	1718.0	120.13	1.88	1154	580	1463
30	6	24	31	7	25	1723.8	120.13	6.78	1152	579	1446
30	7	24	29	6	23	1693.0	120.13	6.38	1162	583	1449
30	7	24	30	6	25	1697.9	120.13	1.62	1158	582	1414
30	7	24	30	8	23	1718.0	123.42	1.88	1154	580	1423
30	7	24	31	6	25	1723.8	123.42	6.78	1152	579	1436
30	7	24	31	8	23	1743.9	123.42	0.14	1147	578	1392
30	8	22	29	7	23	1673.7	123.42	0.12	1159	580	1399
30	8	22	29	9	21	1692.1	123.42	5.33	1155	577	1401
30	8	22	30	7	23	1698.8	124.36	1.91	1150	577	1438
30	8	22	30	9	21	1717.2	124.36	2.13	1149	575	1445
30	8	22	31	9	23	1724.7	124.36	5.68	1143	575	1466
30	9	22	29	8	21	1692.1	124.36	5.33	1155	577	1412
30	9	22	30	8	23	1698.8	124.36	1.91	1150	577	1431
30	9	22	30	10	21	1717.2	126.48	2.13	1149	575	1484
30	9	22	31	8	23	1724.7	126.48	5.68	1143	575	1522
30	9	22	31	10	21	1743.1	126.48	0.20	1141	573	1447
30	10	20	29	9	21	1674.6	126.48	0.18	1153	575	1501
30	10	20	29	11	19	1691.3	126.48	4.46	1151	573	1478
30	10	20	30	9	21	1699.6	128.78	2.12	1146	573	1525
30	10	20	30	11	19	1716.3	128.78	2.32	1144	571	1504
30	10	20	31	11	21	1725.5	128.78	4.78	1138	571	1543
30	11	20	29	10	19	1691.3	128.78	4.46	1151	573	1469

30	11	20	30	10	21	1699.6	128.78	2.12	1146	573	1522
30	11	20	30	12	19	1716.3	131.41	2.32	1144	571	1564
30	11	20	31	10	21	1725.5	131.41	4.78	1138	571	1543
30	11	20	31	12	19	1742.2	131.41	0.27	1141	569	1553
30	12	18	29	11	19	1675.4	75.13	0.25	1152	571	1616
30	12	18	29	13	17	1690.5	75.13	3.73	1149	569	1592
30	12	18	30	11	19	1700.5	75.13	2.29	1144	569	1590
30	12	18	30	13	17	1715.5	75.13	2.46	1146	566	1616
30	12	18	31	13	19	1726.4	75.13	4.02	1142	567	1592
30	13	18	29	12	17	1690.5	75.13	3.73	1149	569	1590
30	13	18	30	12	19	1700.5	75.13	2.29	1144	569	1576
30	13	18	30	14	17	1715.5	89.38	2.46	1146	566	1599
30	13	18	31	12	19	1726.4	89.38	4.02	1142	567	1577
30	13	18	31	14	17	1741.3	89.38	0.35	1141	565	1574
30	14	16	29	13	17	1676.3	89.38	0.32	1148	567	1560
30	14	16	29	15	15	1689.6	89.38	3.11	1148	564	1556
30	14	16	30	13	17	1701.3	89.38	2.42	1145	565	1577
30	14	16	30	15	15	1714.6	89.38	2.58	1143	562	1574
30	14	16	31	15	17	1727.2	89.38	3.38	1140	563	1560
30	15	16	29	14	15	1689.6	89.38	3.11	1148	564	1556
30	15	16	30	14	17	1701.3	89.38	2.42	1145	565	1544
30	15	16	30	16	15	1714.6	101.95	2.58	1143	562	1564
30	15	16	31	14	17	1727.2	101.95	3.38	1140	563	1552
30	15	16	31	16	15	1740.5	101.95	0.42	1140	560	1548
30	16	14	29	15	15	1677.2	101.95	0.40	1145	562	1537
30	16	14	29	17	13	1688.8	101.95	2.57	1140	559	1532
30	16	14	30	15	15	1702.2	101.95	2.54	1139	560	1552
30	16	14	30	17	13	1713.8	101.95	2.68	1135	556	1548
30	16	14	31	17	15	1728.0	101.95	2.82	1135	558	1537
30	17	14	29	16	13	1688.8	101.95	2.57	1140	559	1532
30	17	14	30	16	15	1702.2	101.95	2.54	1139	560	1522
30	17	14	30	18	13	1713.8	112.82	2.68	1135	556	1540
30	17	14	31	16	15	1728.0	112.82	2.82	1135	558	1527
30	17	14	31	18	13	1739.6	112.82	0.50	1131	555	1525
30	18	12	29	17	13	1678.1	112.82	0.47	1135	555	1514
30	18	12	29	19	11	1687.9	112.82	2.08	1127	552	1511
30	18	12	30	17	13	1703.1	112.82	2.66	1131	553	1527
30	18	12	30	19	11	1712.8	112.82	2.81	1123	550	1525
30	18	12	31	19	13	1728.9	112.82	2.32	1127	551	1514
30	19	12	29	18	11	1687.9	112.82	2.08	1127	552	1511
30	19	12	30	18	13	1703.1	112.82	2.66	1131	553	1502
30	19	12	30	20	11	1712.8	121.99	2.81	1123	550	1516
30	19	12	31	18	13	1728.9	121.99	2.32	1127	551	1503
30	19	12	31	20	11	1738.6	121.99	0.58	1117	548	1503
30	20	10	29	19	11	1679.1	121.99	0.54	1114	548	1492
30	20	10	29	21	9	1687.0	121.99	1.58	1103	545	1492
30	20	10	30	19	11	1704.0	121.99	2.82	1110	546	1503
30	20	10	30	21	9	1711.8	121.99	2.99	1092	542	1503
30	20	10	31	21	11	1729.8	121.99	1.83	1105	545	1492
31	1	30	30	2	29	1694.7	121.99	9.86	1184	591	1492
31	1	30	31	0	31	1695.4	121.99	0.36	1184	591	1478
31	1	30	31	2	29	1720.6	129.43	0.71	1179	588	1490
31	1	30	32	2	31	1722.1	129.43	10.37	1177	589	1470
31	2	30	30	1	29	1694.7	129.43	9.86	1184	591	1474

31	2	30	31	1	31	1695.4	129.43	0.36	1184	591	1455
31	2	30	31	3	29	1720.6	129.43	0.71	1179	588	1452
31	2	30	32	1	31	1722.1	129.43	10.37	1177	589	1469
31	2	30	32	3	29	1747.3	129.43	0.02	1165	586	1475
31	3	28	30	2	29	1670.3	129.43	0.02	1179	588	1457
31	3	28	30	4	27	1693.8	129.43	8.15	1168	585	1462
31	3	28	31	2	29	1696.2	129.43	0.92	1166	585	1445
31	3	28	31	4	27	1719.7	135.04	1.23	1154	583	1445
31	3	28	32	4	29	1723.0	135.04	8.59	1152	583	1428
31	4	28	30	3	27	1693.8	135.04	8.15	1168	585	1431
31	4	28	31	3	29	1696.2	135.04	0.92	1166	585	1395
31	4	28	31	5	27	1719.7	135.04	1.23	1154	583	1422
31	4	28	32	3	29	1723.0	135.11	8.59	1152	583	1416
31	4	28	32	5	27	1746.5	135.11	0.05	1148	580	1439
31	5	26	30	4	27	1671.2	135.11	0.05	1162	584	1426
31	5	26	30	6	25	1693.0	135.11	6.76	1152	582	1427
31	5	26	31	4	27	1697.1	135.11	1.34	1148	582	1389
31	5	26	31	6	25	1718.9	138.22	1.60	1147	579	1401
31	5	26	32	6	27	1723.8	138.22	7.16	1141	578	1423
31	6	26	30	5	25	1693.0	138.22	6.76	1152	582	1368
31	6	26	31	5	27	1697.1	138.22	1.34	1148	582	1388
31	6	26	31	7	25	1718.9	138.22	1.60	1147	579	1397
31	6	26	32	5	27	1723.8	139.42	7.16	1141	578	1429
31	6	26	32	7	25	1745.6	139.42	0.10	1136	577	1431
31	7	24	30	6	25	1672.0	139.42	0.09	1150	579	1460
31	7	24	30	8	23	1692.1	139.42	5.64	1146	576	1395
31	7	24	31	6	25	1697.9	139.42	1.65	1144	576	1427
31	7	24	31	8	23	1718.0	141.66	1.87	1139	574	1478
31	7	24	32	8	25	1724.7	141.66	5.99	1134	574	1520
31	8	24	30	7	23	1692.1	141.66	5.64	1146	576	1443
31	8	24	31	7	25	1697.9	141.66	1.65	1144	576	1498
31	8	24	31	9	23	1718.0	141.66	1.87	1139	574	1474
31	8	24	32	7	25	1724.7	144.15	5.99	1134	574	1522
31	8	24	32	9	23	1744.8	144.15	0.15	1131	572	1500
31	9	22	30	8	23	1672.9	144.15	0.14	1142	575	1542
31	9	22	30	10	21	1691.3	144.15	4.71	1140	573	1468
31	9	22	31	8	23	1698.8	144.15	1.87	1135	573	1521
31	9	22	31	10	21	1717.2	146.95	2.07	1132	571	1563
31	9	22	32	10	23	1725.5	146.95	5.03	1127	571	1542
31	10	22	30	9	21	1691.3	146.95	4.71	1140	573	1563
31	10	22	31	9	23	1698.8	91.02	1.87	1135	573	1570
31	10	22	31	11	21	1717.2	91.02	2.07	1132	571	1568
31	10	22	32	9	23	1725.5	91.02	5.03	1127	571	1553
31	10	22	32	11	21	1743.9	91.02	0.21	1130	569	1549
31	11	20	30	10	21	1673.8	91.02	0.19	1141	571	1570
31	11	20	30	12	19	1690.5	91.02	3.94	1139	569	1568
31	11	20	31	10	21	1699.6	91.02	2.04	1133	569	1553
31	11	20	31	12	19	1716.3	91.02	2.21	1137	567	1549
31	11	20	32	12	21	1726.3	91.02	4.23	1131	566	1536
31	12	20	30	11	19	1690.5	105.27	3.94	1139	569	1557
31	12	20	31	11	21	1699.6	105.27	2.04	1133	569	1544
31	12	20	31	13	19	1716.3	105.27	2.21	1137	567	1540
31	12	20	32	11	21	1726.3	105.27	4.23	1131	566	1528
31	12	20	32	13	19	1743.0	105.27	0.27	1131	565	1523

31	13	18	30	12	19	1674.6	105.27	0.25	1140	567	1544
31	13	18	30	14	17	1689.6	105.27	3.30	1142	565	1540
31	13	18	31	12	19	1700.5	105.27	2.17	1138	565	1528
31	13	18	31	14	17	1715.5	105.27	2.32	1137	563	1523
31	13	18	32	14	19	1727.2	105.27	3.56	1133	563	1512
31	14	18	30	13	17	1689.6	117.83	3.30	1142	565	1533
31	14	18	31	13	19	1700.5	117.83	2.17	1138	565	1521
31	14	18	31	15	17	1715.5	117.83	2.32	1137	563	1517
31	14	18	32	13	19	1727.2	117.83	3.56	1133	563	1507
31	14	18	32	15	17	1742.2	117.83	0.34	1134	561	1502
31	15	16	30	14	17	1675.5	117.83	0.32	1141	563	1521
31	15	16	30	16	15	1698.8	117.83	2.75	1138	561	1517
31	15	16	31	14	17	1701.4	117.83	2.27	1136	561	1507
31	15	16	31	16	15	1714.6	117.83	2.41	1134	559	1502
31	15	16	32	16	17	1728.0	117.83	2.99	1132	559	1495
31	16	16	30	15	15	1688.8	128.69	2.75	1138	561	1512
31	16	16	31	15	17	1701.4	128.69	2.27	1136	561	1501
31	16	16	31	17	15	1714.6	128.69	2.41	1134	559	1498
31	16	16	32	15	17	1728.0	128.69	2.99	1132	559	1490
31	16	16	32	17	15	1741.3	128.69	0.41	1131	557	1486
31	17	14	30	16	15	1676.4	128.69	0.38	1137	557	1501
31	17	14	30	18	13	1697.9	128.69	2.28	1133	554	1498
31	17	14	31	16	15	1702.2	128.69	2.37	1133	555	1490
31	17	14	31	18	13	1713.7	128.69	2.50	1129	552	1486
31	17	14	32	18	15	1728.9	128.69	2.50	1130	553	1477
31	18	14	30	17	13	1687.9	137.85	2.28	1133	554	1492
31	18	14	31	17	15	1702.2	137.85	2.37	1133	555	1478
31	18	14	31	19	13	1713.7	137.85	2.50	1129	552	1481
31	18	14	32	17	15	1728.9	137.85	2.50	1130	553	1465
31	18	14	32	19	13	1740.4	137.85	0.48	1126	551	1466
31	19	12	30	18	13	1677.3	137.85	0.45	1126	551	1478
31	19	12	30	20	11	1697.1	137.85	1.83	1117	549	1481
31	19	12	31	18	13	1703.1	137.85	2.47	1122	550	1465
31	19	12	31	20	11	1712.8	137.85	2.61	1112	546	1466
31	19	12	32	20	13	1729.8	137.85	2.05	1118	548	1455
31	20	12	30	19	11	1687.0	145.27	1.83	1117	548	1462
31	20	12	31	19	13	1703.1	145.27	2.47	1122	550	1445
31	20	12	31	21	11	1712.8	145.27	2.61	1113	547	1450
31	20	12	32	19	13	1729.8	145.27	2.05	1118	548	1433
31	20	12	32	21	11	1739.4	145.27	0.54	1109	545	1440
32	0	32	31	1	31	1694.7	145.27	10.52	1183	591	1444
32	0	32	32	1	31	1721.4	145.27	0.36	1176	589	1450
32	0	32	33	1	33	1722.1	145.27	11.03	1176	589	1435
32	1	32	31	0	31	1694.7	145.27	10.52	1183	591	1440
32	1	32	32	2	31	1721.4	145.27	0.36	1176	589	1423
32	1	32	33	0	33	1722.1	150.79	11.03	1176	589	1419
32	1	32	33	2	31	1749.0	150.79	0.01	1161	585	1407
32	2	30	31	1	31	1658.6	150.79	0.00	1176	588	1408
32	2	30	31	3	29	1693.8	150.79	8.66	1164	585	1370
32	2	30	32	1	31	1695.4	150.79	0.62	1162	585	1399
32	2	30	32	3	29	1720.6	150.91	0.93	1149	582	1392
32	2	30	33	3	31	1723.0	150.91	9.11	1147	582	1419
32	3	30	31	2	29	1693.8	150.91	8.66	1164	585	1411
32	3	30	32	2	31	1695.4	150.91	0.62	1162	585	1407

32	3	30	32	4	29	1720.6	150.91	0.93	1149	582	1369
32	3	30	33	2	31	1723.0	153.87	9.11	1147	582	1386
32	3	30	33	4	29	1748.2	153.87	0.03	1143	579	1415
32	4	28	31	3	29	1659.5	153.87	0.03	1156	583	1351
32	4	28	31	5	27	1693.0	153.87	7.16	1144	581	1382
32	4	28	32	3	29	1696.2	153.87	1.07	1141	581	1375
32	4	28	32	5	27	1719.7	155.34	1.34	1137	578	1423
32	4	28	33	5	29	1723.8	155.34	7.55	1134	577	1422
32	5	28	31	4	27	1693.0	155.34	7.16	1144	581	1454
32	5	28	32	4	29	1696.2	155.34	1.07	1141	581	1380
32	5	28	32	6	27	1719.7	155.34	1.34	1137	578	1424
32	5	28	33	4	29	1723.8	157.72	7.55	1134	577	1476
32	5	28	33	6	27	1747.3	157.72	0.07	1127	576	1520
32	6	26	31	5	27	1670.3	157.72	0.06	1139	578	1443
32	6	26	31	7	25	1692.2	157.72	5.95	1139	575	1496
32	6	26	32	5	27	1697.1	157.72	1.40	1133	575	1472
32	6	26	32	7	25	1718.9	160.39	1.63	1128	573	1521
32	6	26	33	7	27	1724.7	160.39	6.30	1122	573	1497
32	7	26	31	6	25	1692.2	160.39	5.95	1139	575	1542
32	7	26	32	6	27	1697.1	160.39	1.40	1133	575	1467
32	7	26	32	8	25	1718.9	160.39	1.63	1128	573	1520
32	7	26	33	6	27	1724.7	163.36	6.30	1122	573	1563
32	7	26	33	8	25	1746.5	163.36	0.11	1122	571	1542
32	8	24	31	7	25	1671.2	163.36	0.10	1135	574	1563
32	8	24	31	9	23	1691.3	91.80	4.96	1130	572	1566
32	8	24	32	7	25	1697.9	91.80	1.64	1124	572	1547
32	8	24	32	9	23	1718.0	91.80	1.83	1122	570	1546
32	8	24	33	9	25	1725.5	91.80	5.27	1118	570	1556
32	9	24	31	8	23	1691.3	91.80	4.96	1130	572	1547
32	9	24	32	8	25	1697.9	91.80	1.64	1124	572	1546
32	9	24	32	10	23	1718.0	91.80	1.83	1122	570	1529
32	9	24	33	8	25	1725.5	107.74	5.27	1118	570	1550
32	9	24	33	10	23	1745.8	107.74	0.16	1119	568	1535
32	10	22	31	9	23	1672.1	107.74	0.15	1130	570	1531
32	10	22	31	11	21	1690.5	107.74	4.15	1127	569	1518
32	10	22	32	9	23	1698.8	107.74	1.81	1122	568	1512
32	10	22	32	11	21	1717.2	107.74	1.98	1125	566	1535
32	10	22	33	11	23	1726.3	107.74	4.43	1119	566	1531
32	11	22	31	10	21	1690.5	107.74	4.15	1127	569	1518
32	11	22	32	10	23	1698.8	107.74	1.81	1122	568	1512
32	11	22	32	12	21	1717.2	107.74	1.98	1125	566	1501
32	11	22	33	10	23	1726.3	121.99	4.43	1119	566	1523
32	11	22	33	12	21	1744.7	121.99	0.22	1119	564	1511
32	12	20	31	11	21	1672.9	121.99	0.20	1130	567	1506
32	12	20	31	13	19	1689.6	121.99	3.47	1133	565	1496
32	12	20	32	11	21	1699.6	121.99	1.94	1127	565	1490
32	12	20	32	13	19	1716.3	121.99	2.09	1127	563	1511
32	12	20	33	13	21	1727.2	121.99	3.73	1122	563	1506
32	13	20	31	12	19	1689.6	121.99	3.47	1133	565	1496
32	13	20	32	12	21	1699.6	121.99	1.94	1127	565	1490
32	13	20	32	14	19	1716.3	121.99	2.09	1127	563	1484
32	13	20	33	12	21	1727.2	134.54	3.73	1122	563	1504
32	13	20	33	14	19	1743.9	134.54	0.27	1125	561	1494
32	14	18	31	13	19	1673.8	134.54	0.25	1133	564	1489

32	14	18	31	15	17	1688.8	134.54	2.91	1133	562	1482
32	14	18	32	13	19	1700.5	134.54	2.04	1128	562	1476
32	14	18	32	15	17	1715.5	134.54	2.17	1129	560	1494
32	14	18	33	15	19	1728.0	134.54	3.14	1125	560	1489
32	15	18	31	14	17	1688.8	134.54	2.91	1133	562	1482
32	15	18	32	14	19	1700.5	134.54	2.04	1128	562	1476
32	15	18	32	16	17	1715.5	134.54	2.17	1129	560	1469
32	15	18	33	14	19	1728.0	145.39	3.14	1125	560	1487
32	15	18	33	16	17	1743.0	145.39	0.33	1125	558	1479
32	16	16	31	15	17	1674.7	145.39	0.31	1134	559	1476
32	16	16	31	17	15	1687.9	145.39	2.43	1132	557	1464
32	16	16	32	15	17	1701.4	145.39	2.12	1130	557	1461
32	16	16	32	17	15	1714.6	145.39	2.24	1129	555	1479
32	16	16	33	17	17	1728.9	145.39	2.64	1127	555	1476
32	17	16	31	16	16	1687.9	145.39	2.43	1132	557	1464
32	17	16	32	16	17	1701.4	145.39	2.12	1130	557	1461
32	17	16	32	18	15	1714.6	145.39	2.24	1129	555	1455
32	17	16	33	16	17	1728.9	154.53	2.64	1127	555	1466
32	17	16	33	18	15	1742.1	154.53	0.39	1126	553	1453
32	18	14	31	17	15	1675.6	154.53	0.37	1128	554	1454
32	18	14	31	19	13	1697.1	154.53	2.00	1124	551	1443
32	18	14	32	17	15	1702.2	154.53	2.20	1125	552	1444
32	18	14	32	19	13	1713.7	154.53	2.32	1121	549	1453
32	18	14	33	19	15	1729.7	154.53	2.20	1121	550	1454
32	19	14	31	18	13	1697.1	154.53	2.00	1124	551	1443
32	19	14	32	18	15	1702.2	154.53	2.20	1125	552	1444
32	19	14	32	20	13	1713.7	154.53	2.32	1121	549	1434
32	19	14	33	18	15	1729.7	161.93	2.20	1121	550	1441
32	19	14	33	20	13	1741.2	161.93	0.45	1118	547	1425
32	20	12	31	19	13	1676.5	161.93	0.42	1118	548	1430
32	20	12	31	21	11	1686.2	410.36	1.61	1109	545	1360
32	20	12	32	19	13	1703.1	410.36	2.29	1115	546	1363
32	20	12	32	21	11	1712.8	410.36	2.41	1106	543	1358
32	20	12	33	21	13	1730.6	410.36	1.80	1112	545	1364
33	1	32	32	2	31	1693.9	254.21	9.20	1161	585	1290
33	1	32	33	0	33	1694.5	254.21	0.31	1160	585	1290
33	1	32	33	2	31	1721.4	254.21	0.62	1145	582	1276
33	1	32	34	2	33	1722.9	254.21	9.65	1143	581	1274
33	2	32	32	1	31	1693.9	254.21	9.20	1161	585	1290
33	2	32	33	1	33	1694.5	254.21	0.31	1160	585	1290
33	2	32	33	3	31	1721.4	254.21	0.62	1145	582	1276
33	2	32	34	1	33	1722.9	254.21	9.65	1143	581	1274
33	2	32	34	3	31	1749.9	254.21	0.01	1138	579	1263
33	3	30	32	2	31	1657.8	280.27	0.01	1151	583	1279
33	3	30	32	4	29	1693.0	280.27	7.57	1138	580	1267
33	3	30	33	2	31	1695.4	280.27	0.80	1135	580	1264
33	3	30	33	4	29	1720.6	280.27	1.07	1131	577	1256
33	3	30	34	4	31	1723.8	280.27	7.97	1128	577	1251
33	4	30	32	3	29	1693.0	280.27	7.57	1138	580	1267
33	4	30	33	3	31	1695.4	280.27	0.80	1135	580	1264
33	4	30	33	5	29	1720.6	280.27	1.07	1131	577	1256
33	4	30	34	3	31	1723.8	280.27	7.97	1128	577	1251
33	4	30	34	5	29	1749.0	280.27	0.04	1120	575	1247
33	5	28	32	4	29	1658.7	304.63	0.04	1132	577	1262

33	5	28	32	6	27	1692.2	304.63	6.26	1129	574	1257
33	5	28	33	4	29	1696.2	304.63	1.16	1126	573	1250
33	5	28	33	6	27	1719.7	304.63	1.39	1118	572	1249
33	5	28	34	6	29	1724.6	304.63	6.62	1114	571	1242
33	6	28	32	5	27	1692.2	304.63	6.26	1129	574	1257
33	6	28	33	5	29	1696.2	304.63	1.16	1126	573	1250
33	6	28	33	7	27	1719.7	304.63	1.39	1118	572	1249
33	6	28	34	5	29	1724.6	304.63	6.62	1114	571	1242
33	6	28	34	7	27	1748.1	304.63	0.08	1111	570	1243
33	7	26	32	6	27	1669.5	327.28	0.07	1123	573	1258
33	7	26	32	8	25	1691.3	327.28	5.21	1118	571	1258
33	7	26	33	6	27	1697.1	327.28	1.41	1113	571	1249
33	7	26	33	8	25	1718.9	327.28	1.61	1112	569	1252
33	7	26	34	8	27	1725.5	327.28	5.52	1106	568	1243
33	8	26	32	7	25	1691.3	327.28	5.21	1118	571	1258
33	8	26	33	7	27	1697.1	327.28	1.41	1113	571	1249
33	8	26	33	9	25	1718.9	327.28	1.61	1112	569	1252
33	8	26	34	7	27	1725.5	327.28	5.52	1106	568	1243
33	8	26	34	9	25	1747.3	327.28	0.12	1107	566	1248
33	9	24	32	8	25	1670.4	348.23	0.11	1119	569	1263
33	9	24	32	10	23	1690.5	348.23	4.35	1117	568	1268
33	9	24	33	8	25	1697.9	348.23	1.60	1113	567	1258
33	9	24	33	10	23	1718.0	348.23	1.77	1114	565	1265
33	9	24	34	10	25	1726.3	348.23	4.63	1108	564	1254
33	10	24	32	9	23	1690.5	348.23	4.35	1117	568	1268
33	10	24	33	9	25	1697.9	348.23	1.60	1113	567	1258
33	10	24	33	11	23	1718.0	348.23	1.77	1114	565	1265
33	10	24	34	9	25	1726.3	348.23	4.63	1108	564	1254
33	10	24	34	11	23	1746.4	348.23	0.17	1108	563	1263
33	11	22	32	10	23	1671.2	367.47	0.15	1118	566	1277
33	11	22	32	12	21	1689.6	367.47	3.64	1121	564	1286
33	11	22	33	10	23	1698.8	367.47	1.73	1115	564	1274
33	11	22	33	12	21	1717.2	367.47	1.00	1115	563	1284
33	11	22	34	12	23	1727.2	367.47	3.89	1109	562	1272
33	12	22	32	11	21	1699.6	367.47	3.64	1121	564	1286
33	12	22	33	11	23	1698.8	367.47	1.73	1115	564	1274
33	12	22	33	13	21	1717.2	367.47	1.88	1115	563	1284
33	12	22	34	11	23	1727.2	367.47	3.89	1109	562	1272
33	12	22	34	13	21	1745.6	367.47	0.22	1114	561	1284
33	13	20	32	12	21	1672.1	385.00	0.20	1123	563	1298
33	13	20	32	14	19	1698.8	385.00	3.05	1124	562	1309
33	13	20	33	12	21	1699.6	385.00	1.82	1118	562	1296
33	13	20	33	14	19	1716.3	385.00	1.96	1120	560	1309
33	13	20	34	14	21	1728.0	385.00	3.28	1114	560	1296
33	14	20	32	13	19	1698.8	385.00	3.05	1124	562	1309
33	14	20	33	13	21	1699.6	385.00	1.82	1118	562	1296
33	14	20	33	15	19	1716.3	385.00	1.96	1120	560	1309
33	14	20	34	13	21	1728.0	385.00	3.28	1114	560	1296
33	14	20	34	15	19	1744.7	385.00	0.27	1117	558	1310
33	15	18	32	14	19	1673.0	400.82	0.25	1127	560	1322
33	15	18	32	16	17	1688.0	400.82	2.55	1127	558	1334
33	15	18	33	14	19	1700.5	400.82	1.90	1123	558	1322
33	15	18	33	16	17	1715.5	400.82	2.02	1124	556	1334
33	15	18	34	16	19	1728.9	400.82	2.76	1120	556	1323

33	16	18	32	15	17	1698.0	400.82	2.55	1127	558	1334
33	16	18	33	15	19	1700.5	400.82	1.90	1123	558	1322
33	16	18	33	17	17	1715.5	400.82	2.02	1124	556	1334
33	16	18	34	15	19	1728.9	400.82	2.76	1120	556	1323
33	16	18	34	17	17	1743.8	400.82	0.32	1120	554	1335
33	17	16	32	16	17	1673.9	414.92	0.29	1125	555	1344
33	17	16	32	18	15	1687.1	414.92	2.13	1124	552	1353
33	17	16	33	16	17	1701.4	414.92	1.96	1122	553	1344
33	17	16	33	18	15	1714.6	414.92	2.07	1120	551	1354
33	17	16	34	18	17	1729.7	414.92	2.32	1119	551	1345
33	18	16	32	17	15	1687.1	414.92	2.13	1124	552	1353
33	18	16	33	17	17	1701.4	414.92	1.96	1122	553	1344
33	18	16	33	19	15	1714.6	414.92	2.07	1121	551	1354
33	18	16	34	17	17	1729.7	414.92	2.32	1119	551	1345
33	18	16	34	19	15	1742.9	414.92	0.37	1118	549	1355
33	19	14	32	18	15	1674.8	427.26	0.35	1122	550	1360
33	19	14	32	20	13	1696.2	427.26	1.75	1119	547	1364
33	19	14	33	18	15	1702.3	427.26	2.03	1119	548	1361
33	19	14	33	20	13	1713.7	427.26	2.13	1115	546	1365
33	19	14	34	20	15	1730.6	427.26	1.93	1116	547	1362
33	20	14	32	19	13	1696.2	427.26	1.75	1119	547	1364
33	20	14	33	19	15	1702.3	427.26	2.03	1119	549	1361
33	20	14	33	21	13	1713.7	427.26	2.13	1116	546	1365
33	20	14	34	19	15	1730.6	427.26	1.93	1116	547	1362
33	20	14	34	21	13	1742.0	427.26	0.42	1112	545	1365
34	0	34	33	1	33	1693.9	254.86	9.77	1159	585	1289
34	0	34	34	1	33	1722.3	254.86	0.32	1142	581	1273
34	0	34	35	1	35	1722.9	254.86	10.23	1142	581	1272
34	1	34	33	0	33	1693.9	254.86	9.77	1159	585	1289
34	1	34	34	2	33	1722.3	254.86	0.32	1142	581	1273
34	1	34	35	0	35	1722.9	254.86	10.23	1142	581	1272
34	1	34	35	2	33	1751.6	254.86	0.00	1135	579	1259
34	2	32	33	1	33	1656.1	282.63	0.00	1148	583	1276
34	2	32	33	3	31	1693.0	282.63	8.01	1133	579	1261
34	2	32	34	1	33	1694.5	282.63	0.54	1131	579	1259
34	2	32	34	3	31	1721.4	282.63	0.81	1126	577	1249
34	2	32	35	3	33	1723.8	282.63	8.41	1124	576	1246
34	3	32	33	2	31	1693.0	282.63	8.01	1133	579	1261
34	3	32	34	2	33	1694.5	282.63	0.54	1131	579	1259
34	3	32	34	4	31	1721.4	282.63	0.81	1126	577	1249
34	3	32	35	2	33	1723.8	282.63	8.41	1124	576	1246
34	3	32	35	4	31	1750.7	282.63	0.02	1114	574	1239
34	4	30	33	3	31	1667.0	308.69	0.02	1126	576	1254
34	4	30	33	5	29	1692.2	308.69	6.60	1122	573	1245
34	4	30	34	3	31	1695.4	308.69	0.92	1119	574	1241
34	4	30	34	5	29	1720.6	308.69	1.15	1111	571	1236
34	4	30	35	5	31	1724.6	308.69	6.95	1107	570	1232
34	5	30	33	4	29	1692.2	308.69	6.60	1122	573	1245
34	5	30	34	4	31	1695.4	308.69	0.92	1119	574	1241
34	5	30	34	6	29	1720.6	308.69	1.15	1111	571	1236
34	5	30	35	4	31	1724.6	308.69	6.95	1107	570	1232
34	5	30	35	6	29	1749.8	308.69	0.05	1104	569	1229
34	6	28	33	5	29	1657.8	333.04	0.05	1115	571	1243
34	6	28	33	7	27	1691.3	333.04	5.46	1108	570	1241

34	6	28	34	5	29	1696.2	333.04	1.20	1104	569	1234
34	6	28	34	7	27	1719.7	333.04	1.40	1101	568	1235
34	6	28	35	7	29	1725.5	333.04	5.78	1097	567	1227
34	7	28	33	6	27	1691.3	333.04	5.46	1108	570	1241
34	7	28	34	6	29	1696.2	333.04	1.20	1104	569	1234
34	7	28	34	8	27	1719.7	333.04	1.40	1101	568	1235
34	7	28	35	6	29	1725.5	333.04	5.78	1097	567	1227
34	7	28	35	8	27	1749.0	333.04	0.09	1096	565	1230
34	8	26	33	7	27	1658.7	355.68	0.08	1109	568	1245
34	8	26	33	9	25	1690.5	355.68	4.54	1109	566	1248
34	8	26	34	7	27	1697.1	355.68	1.39	1103	566	1239
34	8	26	34	9	25	1718.9	355.68	1.56	1104	564	1244
34	8	26	35	9	27	1726.3	355.68	4.82	1097	563	1234
34	9	26	33	8	25	1690.5	355.68	4.54	1109	566	1248
34	9	26	34	8	27	1697.1	355.68	1.39	1103	566	1239
34	9	26	34	10	25	1718.9	355.68	1.56	1104	564	1244
34	9	26	35	8	27	1726.3	355.68	4.82	1097	563	1234
34	9	26	35	10	25	1748.1	355.68	0.13	1098	562	1242
34	10	24	33	9	25	1659.6	376.62	0.12	1109	565	1255
34	10	24	33	11	23	1689.6	376.62	3.79	1110	563	1262
34	10	24	34	9	25	1697.9	376.62	1.53	1104	563	1251
34	10	24	34	11	23	1718.0	376.62	1.68	1104	562	1260
34	10	24	35	11	25	1727.2	376.62	4.04	1098	561	1249
34	11	24	33	10	23	1689.6	376.62	3.79	1110	563	1262
34	11	24	34	10	25	1697.9	376.62	1.53	1104	563	1251
34	11	24	34	12	23	1718.0	376.62	1.68	1104	562	1260
34	11	24	35	10	25	1727.2	376.62	4.04	1098	561	1249
34	11	24	35	12	23	1747.2	376.62	0.17	1102	560	1260
34	12	22	33	11	23	1670.4	395.85	0.15	1110	562	1273
34	12	22	33	13	21	1688.8	395.85	3.18	1111	561	1284
34	12	22	34	11	23	1698.8	395.85	1.63	1105	561	1272
34	12	22	34	13	21	1717.2	395.85	1.76	1107	559	1284
34	12	22	35	13	23	1729.0	395.85	3.40	1101	559	1272
34	13	22	33	12	21	1688.8	395.85	3.18	1111	561	1284
34	13	22	34	12	23	1698.8	395.85	1.63	1105	561	1272
34	13	22	34	14	21	1717.2	395.85	1.76	1107	559	1284
34	13	22	35	12	23	1728.0	395.85	3.40	1101	559	1272
34	13	22	35	14	21	1746.4	395.85	0.22	1104	557	1285
34	14	20	33	13	21	1671.3	413.37	0.19	1116	560	1296
34	14	20	33	15	19	1688.0	413.37	2.66	1118	558	1309
34	14	20	34	13	21	1699.7	413.37	1.70	1112	558	1297
34	14	20	34	15	19	1716.3	413.37	1.82	1115	556	1310
34	14	20	35	15	21	1728.9	413.37	2.87	1109	555	1297
34	15	20	33	14	19	1688.0	413.37	2.66	1118	558	1309
34	15	20	34	14	21	1699.7	413.37	1.70	1112	558	1297
34	15	20	34	16	19	1716.3	413.37	1.82	1115	556	1310
34	15	20	35	14	21	1728.9	413.37	2.87	1109	555	1297
34	15	20	35	16	19	1745.5	413.37	0.26	1112	554	1311
34	16	18	33	15	19	1672.2	429.17	0.24	1118	556	1323
34	16	18	33	17	17	1687.1	429.17	2.23	1119	553	1335
34	16	18	34	15	19	1700.5	429.17	1.76	1115	554	1323
34	16	18	34	17	17	1715.5	429.17	1.86	1116	552	1336
34	16	18	35	17	19	1729.7	429.17	2.41	1112	552	1325
34	17	18	33	16	17	1687.1	429.17	2.23	1119	553	1335

34	17	18	34	16	19	1700.5	429.17	1.76	1115	554	1323
34	17	18	34	18	17	1715.5	429.17	1.86	1116	552	1336
34	17	18	35	16	19	1729.7	429.17	2.41	1112	552	1325
34	17	18	35	18	17	1744.6	429.17	0.30	1113	550	1338
34	18	16	33	17	17	1673.0	443.25	0.28	1120	552	1346
34	18	16	33	19	15	1686.3	443.25	1.86	1118	549	1356
34	18	16	34	17	17	1701.4	443.25	1.80	1117	550	1347
34	18	16	34	19	15	1714.6	443.25	1.90	1116	548	1357
34	18	16	35	19	17	1730.5	443.25	2.03	1114	548	1349
34	19	16	33	18	15	1686.3	443.25	1.86	1118	549	1356
34	19	16	34	18	17	1701.4	443.25	1.80	1117	550	1347
34	19	16	34	20	15	1714.6	443.25	1.90	1116	548	1357
34	19	16	35	18	17	1730.5	443.25	2.03	1114	548	1349
34	19	16	35	20	15	1743.7	443.25	0.35	1114	547	1358
34	20	14	33	19	15	1674.0	455.56	0.32	1115	547	1362
34	20	14	33	21	13	1695.4	455.56	1.53	1112	544	1365
34	20	14	34	19	15	1702.3	455.56	1.86	1112	545	1363
34	20	14	34	21	13	1713.7	455.56	1.95	1108	543	1365
34	20	14	35	21	15	1731.4	455.56	1.69	1111	544	1363
35	1	34	34	2	33	1693.0	284.11	8.47	1130	579	1258
35	1	34	35	0	35	1693.7	284.11	0.27	1129	579	1257
35	1	34	35	2	33	1722.3	284.11	0.54	1123	576	1244
35	1	34	36	2	35	1723.8	284.11	8.88	1122	576	1242
35	2	34	34	1	33	1693.0	284.11	8.47	1130	579	1258
35	2	34	35	1	35	1693.7	284.11	0.27	1129	579	1257
35	2	34	35	3	33	1722.3	284.11	0.54	1123	576	1244
35	2	34	36	1	35	1723.8	284.11	8.88	1122	576	1242
35	2	34	36	3	33	1752.4	284.11	0.01	1110	573	1234
35	3	32	34	2	33	1655.3	311.88	0.01	1121	576	1248
35	3	32	34	4	31	1692.2	311.88	6.95	1116	574	1237
35	3	32	35	2	33	1694.5	311.88	0.69	1114	574	1234
35	3	32	35	4	31	1721.4	311.88	0.92	1103	571	1228
35	3	32	35	4	33	1724.6	311.88	7.30	1101	571	1224
35	4	32	34	3	31	1692.2	311.88	6.95	1116	574	1237
35	4	32	35	3	33	1694.5	311.88	0.69	1114	574	1234
35	4	32	35	5	31	1721.4	311.88	0.92	1103	571	1228
35	4	32	36	3	33	1724.6	311.88	7.30	1101	571	1224
35	4	32	36	5	31	1751.5	311.88	0.03	1096	568	1220
35	5	30	34	4	31	1666.1	337.93	0.03	1108	571	1233
35	5	30	34	6	29	1691.3	337.93	5.73	1100	569	1228
35	5	30	35	4	31	1695.4	337.93	0.99	1096	568	1223
35	5	30	35	6	29	1720.6	337.93	1.19	1093	566	1221
35	5	30	36	6	31	1725.5	337.93	6.04	1088	565	1215
35	6	30	34	5	29	1691.3	337.93	5.73	1100	569	1228
35	6	30	35	5	31	1695.4	337.93	0.99	1096	568	1223
35	6	30	35	7	29	1720.6	337.93	1.19	1093	566	1221
35	6	30	36	5	31	1725.5	337.93	6.04	1088	565	1215
35	6	30	36	7	29	1750.7	337.93	0.06	1087	563	1216
35	7	28	34	6	29	1657.0	362.27	0.06	1100	566	1229
35	7	28	34	8	27	1690.5	362.27	4.75	1097	565	1230
35	7	28	35	6	29	1696.2	362.27	1.20	1093	564	1222
35	7	28	35	8	27	1719.7	362.27	1.37	1092	562	1226
35	7	28	36	8	29	1726.3	362.27	5.02	1088	561	1217
35	8	28	34	7	27	1690.5	362.27	4.75	1097	565	1230

35	8	28	35	7	29	1696.2	362.27	1.20	1093	564	1222
35	8	28	35	9	27	1719.7	362.27	1.37	1092	562	1226
35	8	28	36	7	29	1726.3	362.27	5.02	1088	561	1217
35	8	28	36	9	27	1749.8	362.27	0.10	1087	561	1222
35	9	26	34	8	27	1667.9	384.91	0.09	1096	564	1235
35	9	26	34	10	25	1699.7	384.91	3.95	1097	562	1240
35	9	26	35	8	27	1697.1	384.91	1.35	1090	561	1231
35	9	26	35	10	25	1718.9	384.91	1.50	1092	560	1239
35	9	26	36	10	27	1727.2	384.91	4.19	1085	559	1228
35	10	26	34	9	25	1689.7	384.91	3.95	1097	562	1240
35	10	26	35	9	27	1697.1	384.91	1.35	1090	561	1231
35	10	26	35	11	25	1718.9	384.91	1.50	1092	560	1239
35	10	26	36	9	27	1727.2	384.91	4.19	1085	559	1228
35	10	26	36	11	25	1748.9	384.91	0.13	1088	558	1238
35	11	24	34	10	25	1668.7	405.83	0.12	1100	561	1250
35	11	24	34	12	23	1688.8	405.83	3.30	1099	560	1260
35	11	24	35	10	25	1697.9	405.83	1.45	1093	559	1249
35	11	24	35	12	23	1718.0	405.83	1.58	1095	558	1261
35	11	24	36	12	25	1728.0	405.83	3.52	1089	558	1248
35	12	24	34	11	23	1688.8	405.83	3.30	1099	560	1260
35	12	24	35	11	25	1697.9	405.83	1.45	1093	559	1249
35	12	24	35	13	23	1718.0	405.83	1.58	1095	558	1261
35	12	24	36	11	25	1728.0	405.83	3.52	1089	558	1248
35	12	24	36	13	23	1748.1	405.83	0.17	1092	556	1262
35	13	22	34	12	23	1659.6	425.05	0.15	1103	559	1272
35	13	22	34	14	21	1688.0	425.05	2.77	1106	558	1284
35	13	22	35	12	23	1698.8	425.05	1.52	1099	557	1274
35	13	22	35	14	21	1717.2	425.05	1.63	1102	555	1286
35	13	22	36	14	23	1728.8	425.05	2.96	1095	555	1274
35	14	22	34	13	21	1688.0	425.05	2.77	1106	558	1284
35	14	22	35	13	23	1698.8	425.05	1.52	1099	557	1274
35	14	22	35	15	21	1717.2	425.05	1.63	1102	555	1286
35	14	22	36	13	23	1728.8	425.05	2.96	1095	555	1274
35	14	22	36	15	21	1747.2	425.05	0.21	1099	554	1288
35	15	20	34	14	21	1670.5	442.56	0.19	1107	556	1298
35	15	20	34	16	19	1697.1	442.56	2.32	1110	553	1311
35	15	20	35	14	21	1699.7	442.56	1.57	1104	553	1299
35	15	20	35	16	19	1716.3	442.56	1.67	1107	552	1312
35	15	20	36	16	21	1729.7	442.56	2.50	1101	552	1301
35	16	20	34	15	19	1687.1	442.56	2.32	1110	553	1311
35	16	20	35	15	21	1699.7	442.56	1.57	1104	553	1299
35	16	20	35	17	19	1716.3	442.56	1.67	1107	552	1312
35	16	20	36	15	21	1729.7	442.56	2.50	1101	552	1301
35	16	20	36	17	19	1746.3	442.56	0.25	1105	550	1315
35	17	18	34	16	19	1671.3	458.35	0.23	1113	552	1325
35	17	18	34	18	17	1686.3	458.35	1.94	1114	550	1337
35	17	18	35	16	19	1700.5	458.35	1.61	1110	551	1326
35	17	18	35	18	17	1715.4	458.35	1.70	1112	549	1339
35	17	18	36	18	19	1730.5	458.35	2.10	1108	549	1329
35	18	18	34	17	17	1686.3	458.35	1.94	1114	550	1337
35	18	18	35	17	19	1700.5	458.35	1.61	1110	551	1326
35	18	18	35	19	17	1715.4	458.35	1.70	1112	549	1339
35	18	18	36	17	19	1730.5	458.35	2.10	1108	549	1329
35	18	18	36	19	17	1745.4	458.35	0.29	1110	548	1341

35	19	16	34	18	17	1672.2	472.40	0.26	1114	549	1349
35	19	16	34	20	15	1685.4	472.40	1.62	1113	546	1359
35	19	16	35	18	17	1701.4	472.40	1.65	1111	547	1351
35	19	16	35	20	15	1714.6	472.40	1.73	1111	545	1359
35	19	16	36	20	17	1731.4	472.40	1.77	1110	546	1352
35	20	16	34	19	15	1685.4	472.40	1.62	1113	546	1359
35	20	16	35	19	17	1701.4	472.40	1.65	1112	547	1351
35	20	16	35	21	15	1714.6	472.40	1.73	1111	545	1359
35	20	16	36	19	17	1731.4	472.40	1.77	1110	546	1352
35	20	16	36	21	15	1744.5	472.40	0.33	1109	544	1359

VII. APPENDIX C

LISTING OF LINEWIDTHS FOR c-TYPE TRANSITIONS

The format of this listing is also the same as that used for the tabulation in the Appendix A. The line position and the relative line intensity values refer to the ν_8 fundamental band of HNO_3 . All other spectral parameters listed can be applied to any type C vibrational-rotational band of HNO_3 .

Listing of Linewidth Parameters for c-Type Transitions in HNO_3

Lower State			Upper State			Approximate Line Position in the ν_8 Band (cm^{-1})	Rotational Energy of the Lower State (cm^{-1})	Relative Line Intensity (ν_8 Band) at 300°K	γ° (in $10^{-4} \text{ cm}^{-1} \text{ atm}^{-1}$) of HNO_3 Lines Broadened by			
J	K_a	K_c	J	K_a	K_c				HNO_3	N_2	O_2	Air
										300°K		200°K
0	0	0	1	1	0	763.0	0.0	0.98	6415	1287	572	1588
1	1	1	1	0	1	762.2	0.64	1.46	6403	1288	572	1589
1	1	1	2	2	1	763.9	0.64	1.46	6365	1288	572	1590
2	0	2	2	1	2	762.2	1.67	3.21	6348	1290	573	1595
2	0	2	3	1	2	764.7	1.67	1.62	6333	1295	574	1604
2	1	1	1	0	1	760.6	2.26	1.44	6355	1293	573	1599
2	1	1	2	2	1	762.3	2.26	0.80	6311	1292	573	1599
2	1	1	3	2	1	764.7	2.26	2.58	6309	1301	575	1617
2	2	0	1	1	0	760.5	2.52	1.91	6311	1291	573	1595
2	2	0	3	3	0	764.7	2.52	2.87	6353	1297	574	1605
3	1	3	3	0	3	762.2	3.13	5.03	6224	1294	573	1604
3	1	3	4	2	3	765.5	3.13	1.69	6268	1300	575	1614
3	2	2	2	1	2	759.7	4.19	1.89	6347	1294	574	1602
3	2	2	3	1	2	762.2	4.19	2.19	6300	1299	575	1610
3	2	2	4	3	2	765.6	4.19	2.88	6417	1303	575	1617
3	3	1	2	2	1	759.6	4.91	2.53	6370	1291	573	1596
3	3	1	3	2	1	762.0	4.91	0.56	6391	1300	575	1613
3	3	1	4	4	1	765.6	4.91	3.58	6468	1295	574	1601
4	0	4	4	1	4	762.2	5.01	6.84	6133	1300	575	1614
4	0	4	5	1	4	766.4	5.01	1.72	6209	1307	577	1627
4	1	3	3	0	3	758.9	6.48	1.65	6263	1300	575	1614
4	1	3	4	2	3	762.2	6.48	3.80	6267	1306	576	1625
4	1	3	5	2	3	766.4	6.48	3.04	6405	1312	578	1634
4	2	2	3	1	2	758.9	7.49	2.81	6388	1307	577	1625
4	2	2	4	3	2	762.2	7.49	1.61	6481	1311	577	1632
4	2	2	5	3	2	766.3	7.49	3.98	6621	1321	580	1646
4	3	1	3	2	1	758.9	8.02	3.49	6446	1313	577	1636
4	3	1	4	4	1	762.5	8.02	0.43	6602	1308	576	1624
4	3	1	5	4	1	766.3	8.02	4.50	6721	1323	580	1649
4	4	0	3	3	0	758.8	8.42	3.66	6505	1301	575	1612
4	4	0	5	5	0	766.4	8.42	4.61	6695	1303	576	1615
5	1	5	5	0	5	762.2	7.31	8.62	6096	1308	577	1631
5	1	5	6	2	5	767.2	7.31	1.74	6202	1315	578	1642

5	2	4	4	1	4	758.0	9.19	1.67	6209	1307	577	1627
5	2	4	5	1	4	762.2	9.19	5.45	6244	1313	578	1640
5	2	4	6	3	4	767.2	9.19	3.13	6409	1320	580	1647
5	3	3	4	2	3	758.0	10.66	2.95	6415	1311	578	1633
5	3	3	5	2	3	762.2	10.66	3.00	6525	1318	579	1643
5	3	3	6	4	3	767.2	10.66	4.20	6720	1320	581	1646
5	4	2	4	3	2	758.0	11.73	3.84	6649	1310	578	1630
5	4	2	5	3	2	762.1	11.73	1.23	6785	1320	580	1644
5	4	2	6	5	2	767.2	11.73	4.93	6941	1316	580	1635
5	5	1	4	4	1	757.9	12.60	4.36	6611	1298	575	1605
5	5	1	5	4	1	761.8	12.60	0.35	6869	1313	578	1630
5	5	1	6	6	1	767.3	12.60	5.36	6768	1300	575	1607
6	0	6	6	1	6	762.2	10.03	10.34	6106	1317	578	1648
6	0	6	7	1	6	768.1	10.03	1.74	6243	1325	580	1656
6	1	5	5	0	5	757.2	12.33	1.67	6202	1315	578	1642
6	1	5	6	2	5	762.2	12.33	7.09	6267	1323	580	1653
6	1	5	7	2	5	768.1	12.33	3.18	6449	1327	582	1657
6	2	4	5	1	4	757.2	14.21	3.01	6407	1320	580	1647
6	2	4	6	3	4	762.2	14.21	4.47	6543	1326	581	1653
6	2	4	7	3	4	768.0	14.21	4.33	6743	1328	583	1655
6	3	3	5	2	3	757.2	15.65	4.04	6708	1323	581	1648
6	3	3	6	4	3	762.2	15.65	2.43	6878	1325	582	1651
6	3	3	7	4	3	768.0	15.65	5.21	7068	1331	585	1653
6	4	2	5	3	2	757.2	16.58	4.78	6951	1332	584	1658
6	4	2	6	5	2	762.4	16.58	0.96	7132	1328	584	1649
6	4	2	7	5	2	768.0	16.58	5.86	7308	1340	589	1660
6	5	1	5	4	1	757.2	17.12	5.14	7062	1329	583	1653
6	5	1	6	6	1	762.8	17.12	0.31	7146	1316	581	1630
6	5	1	7	6	1	768.0	17.12	6.10	7396	1333	586	1647
6	6	0	5	5	0	757.1	17.78	5.21	6869	1304	576	1612
6	6	0	7	7	0	768.2	17.78	6.18	7009	1303	577	1607
7	1	7	7	0	7	762.2	13.16	12.00	6174	1327	581	1661
7	1	7	8	2	7	768.9	13.16	1.73	6331	1333	583	1668
7	2	6	6	1	6	756.3	15.88	1.66	6243	1325	580	1656
7	2	6	7	1	6	762.2	15.88	8.69	6337	1332	582	1665
7	2	6	8	3	6	768.9	15.88	3.19	6526	1335	584	1668
7	3	5	6	2	5	756.3	18.18	3.04	6449	1327	582	1657
7	3	5	7	2	5	762.2	18.18	5.94	6601	1332	583	1662
7	3	5	8	4	5	768.9	18.18	4.40	6803	1335	585	1661
7	4	4	6	3	4	756.4	20.06	4.14	6748	1329	583	1655
7	4	4	7	3	4	762.2	20.06	3.73	6922	1331	585	1656
7	4	4	8	5	4	768.9	20.06	5.36	7130	1334	586	1653
7	5	3	6	4	3	756.4	21.52	4.98	7080	1327	584	1649
7	5	3	7	4	3	762.2	21.52	1.98	7250	1333	586	1651
7	5	3	8	6	3	768.9	21.52	6.09	7445	1332	586	1643
7	6	2	6	5	2	756.3	22.66	5.54	7233	1321	582	1634
7	6	2	7	5	2	761.9	22.66	0.76	7470	1333	587	1645
7	6	2	8	7	2	768.9	22.66	6.57	7497	1321	584	1626
7	7	1	6	6	1	756.2	23.74	5.87	6919	1300	576	1604
7	7	1	7	6	1	761.4	23.74	0.28	7382	1317	582	1623
7	7	1	8	8	1	769.1	23.74	6.87	7048	1299	577	1600
8	0	8	8	1	8	762.2	16.71	13.58	6276	1337	583	1672
8	0	8	9	1	8	769.7	16.71	1.72	6448	1341	585	1677
8	1	7	7	0	7	755.5	19.85	1.65	6331	1333	583	1668

8	1	7	8	2	7	762.2	19.85	10.23	6446	1339	584	1674
8	1	7	9	2	7	769.7	19.85	3.19	6638	1342	586	1675
8	2	6	7	1	6	755.5	22.57	3.03	6525	1335	584	1667
8	2	6	8	3	6	762.2	22.57	7.40	6683	1338	586	1670
8	2	6	9	3	6	769.7	22.57	4.42	6888	1341	588	1668
8	3	5	7	2	5	755.5	24.86	4.18	6802	1335	585	1661
8	3	5	8	4	5	762.2	24.86	5.05	6978	1338	587	1661
8	3	5	9	4	5	769.7	24.86	5.44	7180	1339	588	1655
8	4	4	7	3	4	755.5	26.73	5.10	7120	1333	586	1653
8	4	4	8	5	4	762.2	26.73	3.14	7306	1336	588	1650
8	4	4	9	5	4	769.7	26.73	6.26	7481	1337	589	1643
8	5	3	7	4	3	755.6	28.11	5.80	7441	1338	589	1649
8	5	3	8	6	3	762.3	28.11	1.61	7624	1337	589	1641
8	5	3	9	6	3	769.6	28.11	6.90	7764	1339	593	1634
8	6	2	7	5	2	755.6	28.94	6.32	7655	1344	592	1648
8	6	2	8	7	2	762.7	28.94	0.63	7774	1333	589	1630
8	6	2	9	7	2	769.6	28.94	7.34	7926	1341	594	1627
8	7	1	7	6	1	755.5	29.60	6.44	7669	1331	588	1634
8	7	1	8	8	1	763.2	29.60	0.26	7554	1314	583	1612
8	7	1	9	8	1	769.7	29.60	7.38	7839	1325	588	1615
8	8	0	7	7	0	755.3	30.62	6.53	7110	1301	577	1601
8	8	0	9	9	0	769.9	30.62	7.51	7167	1298	577	1595
9	1	9	9	0	9	762.2	20.68	15.08		1342	585	1680
9	1	9	10	2	9	770.6	20.68	1.70		1347	587	1682
9	2	8	8	1	8	754.7	24.24	1.62		1341	585	1677
9	2	8	9	1	8	762.2	24.24	11.70		1344	587	1681
9	2	8	10	3	8	770.6	24.24	3.16		1349	589	1679
9	3	7	8	2	7	754.7	27.37	3.01		1342	586	1675
9	3	7	9	2	7	762.2	27.37	8.81		1346	588	1676
9	3	7	10	4	7	770.6	27.37	4.41		1348	590	1670
9	4	6	8	3	6	754.7	30.09	4.18		1341	588	1668
9	4	6	9	3	6	762.2	30.09	6.36		1344	590	1665
9	4	6	10	5	6	770.6	30.09	5.47		1344	591	1657
9	5	5	8	4	5	754.7	32.38	5.14		1339	589	1656
9	5	5	9	4	5	762.2	32.38	4.33		1340	590	1650
9	5	5	10	6	5	770.5	32.38	6.34		1339	591	1641
9	6	4	8	5	4	754.7	34.24	5.91		1336	589	1643
9	6	4	9	5	4	762.2	34.24	2.66		1336	590	1636
9	6	4	10	7	4	770.5	34.24	7.03		1334	591	1626
9	7	3	8	6	3	754.7	35.72	6.48		1331	589	1629
9	7	3	9	6	3	762.0	35.72	1.30		1334	592	1622
9	7	3	10	8	3	770.6	35.72	7.53		1327	590	1611
9	8	2	8	7	2	754.6	36.99	6.84		1318	585	1614
9	8	2	9	7	2	761.6	36.99	0.53		1327	590	1611
9	8	2	10	9	2	770.7	36.99	7.84		1313	586	1598
9	9	1	8	8	1	754.5	38.34	7.07		1298	577	1595
9	9	1	9	8	1	761.0	38.34	0.25		1309	583	1598
9	9	1	10	10	1	770.8	38.34	8.06		1295	577	1588
10	0	10	10	1	10	762.2	25.06	16.49		1348	588	1685
10	0	10	11	1	10	771.4	25.06	1.67		1353	590	1683
10	1	9	9	0	9	753.8	29.04	1.59		1347	587	1682
10	1	9	10	2	9	762.2	29.04	13.09		1352	589	1683
10	1	9	11	2	9	771.4	29.04	3.13		1355	592	1678
10	2	8	9	1	8	753.8	32.60	2.97		1349	589	1679

10	2	8	10	3	8	762.2	32.60	10.15	1353	592	1675
10	2	8	11	3	8	771.4	32.60	4.38	1352	593	1668
10	3	7	9	2	7	753.8	35.73	4.14	1348	590	1670
10	3	7	10	4	7	762.2	35.73	7.63	1349	592	1664
10	3	7	11	4	7	771.4	35.73	5.45	1347	593	1655
10	4	6	9	3	6	753.8	38.44	5.13	1344	591	1657
10	4	6	10	5	6	762.2	38.44	5.50	1343	592	1649
10	4	6	11	5	6	771.4	38.44	6.35	1340	593	1639
10	5	5	9	4	5	753.9	40.73	5.94	1338	591	1641
10	5	5	10	6	5	762.2	40.73	3.72	1337	592	1632
10	5	5	11	6	5	771.4	40.73	7.09	1333	593	1616
10	6	4	9	5	4	753.9	42.55	6.60	1335	592	1623
10	6	4	10	7	4	762.2	42.55	2.24	1332	593	1613
10	6	4	11	7	4	771.3	42.55	7.69	1327	594	1595
10	7	3	9	6	3	753.9	43.81	7.13	1335	596	1609
10	7	3	10	8	3	762.5	43.81	1.06	1328	594	1597
10	7	3	11	8	3	771.3	43.81	8.19	1326	597	1578
10	8	2	9	7	2	753.9	44.61	7.43	1332	595	1600
10	8	2	10	9	2	763.0	44.61	0.47	1319	591	1588
10	8	2	11	9	2	771.3	44.61	8.39	1320	596	1571
10	9	1	9	8	1	753.8	45.54	7.42	1316	588	1595
10	9	1	10	10	1	763.6	45.54	0.25	1303	582	1586
10	9	1	11	10	1	771.5	45.54	8.38	1308	587	1579
10	10	0	9	9	0	753.6	46.94	7.55	1296	577	1589
10	10	0	11	11	0	771.7	46.94	8.54	1293	577	1582
11	1	11	11	0	11	762.2	29.86	17.79	1355	590	1685
11	1	11	12	2	11	772.2	29.86	1.64	1358	593	1681
11	2	10	10	1	10	753.0	34.26	1.56	1353	590	1683
11	2	10	11	1	10	762.2	34.26	14.39	1358	593	1681
11	2	10	12	3	10	772.2	34.26	3.08	1359	594	1674
11	3	9	10	2	9	753.0	38.24	2.91	1355	592	1678
11	3	9	11	2	9	762.2	38.24	11.42	1357	594	1673
11	3	9	12	4	9	772.2	38.24	4.32	1356	595	1663
11	4	8	10	3	8	753.0	41.79	4.08	1353	593	1668
11	4	8	11	3	8	762.2	41.79	8.85	1352	594	1660
11	4	8	12	5	8	772.2	41.79	5.40	1350	595	1650
11	5	7	10	4	7	753.0	44.92	6.08	1348	593	1655
11	5	7	11	4	7	762.2	44.92	6.65	1346	594	1647
11	5	7	12	6	7	772.2	44.92	6.31	1342	595	1633
11	6	6	10	5	6	753.0	47.63	5.92	1341	593	1640
11	6	6	11	5	6	762.2	47.63	4.78	1338	594	1629
11	6	6	12	7	6	772.2	47.63	7.09	1333	594	1611
11	7	5	10	6	5	753.0	49.90	6.61	1333	593	1619
11	7	5	11	6	5	762.2	49.90	3.21	1329	594	1603
11	7	5	12	8	5	772.2	49.90	7.72	1323	594	1589
11	8	4	10	7	4	753.0	51.76	7.16	1326	593	1601
11	8	4	11	7	4	762.1	51.76	1.88	1322	594	1583
11	8	4	12	9	4	772.2	51.76	8.22	1313	593	1572
11	9	3	10	8	3	753.0	53.29	7.54	1318	591	1590
11	9	3	11	8	3	761.8	53.29	0.86	1317	595	1570
11	9	3	12	10	3	772.3	53.29	8.55	1307	591	1566
11	10	2	10	9	2	752.9	54.76	7.77	1306	585	1582
11	10	2	11	9	2	761.1	54.76	0.43	1308	590	1565
11	10	2	12	11	2	772.4	54.76	8.75	1299	585	1567

11	11	1	10	10	1	752.7	56.40	7.94	1293	577	1583
11	11	1	11	10	1	760.6	56.40	0.24	1297	582	1576
11	11	1	12	12	1	772.5	56.40	8.92	1290	577	1578
12	0	12	12	1	12	762.2	35.08	18.99	1360	594	1683
12	0	12	13	1	12	773.1	35.08	1.61	1362	595	1675
12	1	11	11	0	11	752.2	39.90	1.52	1358	593	1681
12	1	11	12	2	11	762.2	39.90	15.59	1362	595	1676
12	1	11	13	2	11	773.1	39.90	3.02	1361	596	1667
12	2	10	11	1	10	752.2	44.29	2.85	1359	594	1674
12	2	10	12	3	10	762.2	44.29	12.60	1359	596	1666
12	2	10	13	3	10	773.1	44.29	4.25	1357	597	1656
12	3	9	11	2	9	752.2	48.27	4.00	1356	595	1663
12	3	9	12	4	9	762.2	48.27	9.99	1355	596	1654
12	3	9	13	4	9	773.1	48.27	5.32	1351	597	1643
12	4	8	11	3	8	752.2	51.82	5.00	1350	595	1650
12	4	8	12	5	8	762.2	51.82	7.74	1347	596	1641
12	4	8	13	5	8	773.1	51.82	6.24	1342	596	1624
12	5	7	11	4	7	752.2	54.95	5.85	1342	595	1633
12	5	7	12	6	7	762.2	54.95	5.80	1338	596	1618
12	5	7	13	6	7	773.1	54.95	7.03	1331	596	1601
12	6	6	11	5	6	752.2	57.64	6.56	1333	594	1610
12	6	6	12	7	6	762.2	57.64	4.15	1327	595	1593
12	6	6	13	7	6	773.0	57.64	7.69	1319	595	1577
12	7	5	11	6	5	752.2	59.90	7.15	1322	594	1586
12	7	5	12	8	5	762.2	59.90	2.76	1316	594	1572
12	7	5	13	8	5	773.0	59.90	8.23	1307	594	1556
12	8	4	11	7	4	752.3	61.63	7.63	1315	595	1565
12	8	4	12	9	4	762.3	61.63	1.56	1307	595	1554
12	8	4	13	9	4	772.9	61.63	8.68	1298	596	1531
12	9	3	11	8	3	752.3	62.75	8.04	1310	598	1544
12	9	3	12	10	3	762.8	62.75	0.72	1301	594	1541
12	9	3	13	10	3	772.9	62.75	9.05	1291	597	1509
12	10	2	11	9	2	752.2	63.65	8.12	1307	595	1546
12	10	2	12	11	2	763.5	63.65	0.40	1298	589	1547
12	10	2	13	11	2	773.0	63.65	9.05	1291	592	1524
12	11	1	11	10	1	752.0	64.96	8.11	1298	586	1565
12	11	1	12	12	1	764.0	64.96	0.23	1291	581	1567
12	11	1	13	12	1	773.2	64.96	9.08	1290	584	1553
12	12	0	11	11	0	751.9	66.73	8.24	1290	577	1578
12	12	0	13	13	0	773.4	66.73	9.22	1287	576	1575
13	1	13	13	0	13	762.2	40.71	20.09	1364	596	1677
13	1	13	14	2	13	773.9	40.71	1.57	1364	598	1667
13	2	12	12	1	12	751.3	45.95	1.48	1362	595	1675
13	2	12	13	1	12	762.2	45.95	16.68	1363	597	1668
13	2	12	14	3	12	773.9	45.95	2.96	1361	598	1658
13	3	11	12	2	11	751.3	50.77	2.78	1361	596	1667
13	3	11	13	2	11	762.2	50.77	13.68	1360	598	1658
13	3	11	14	4	11	773.9	50.77	4.17	1356	599	1647
13	4	10	12	3	10	751.3	55.16	3.91	1357	597	1656
13	4	10	13	3	10	762.2	55.16	11.06	1355	598	1646
13	4	10	14	5	10	773.9	55.16	5.22	1349	598	1630
13	5	9	12	4	9	751.3	59.13	4.89	1351	597	1643
13	5	9	13	4	9	762.2	59.13	8.77	1347	598	1630
13	5	9	14	6	9	773.9	59.13	6.14	1340	598	1611

13	6	8	12	5	8	751.3	62.68	5.74	1342	596	1624
13	6	8	13	5	8	762.2	62.68	6.78	1336	597	1606
13	6	8	14	7	8	773.9	62.68	6.92	1328	597	1591
13	7	7	12	6	7	751.3	65.80	6.46	1331	596	1601
13	7	7	13	6	7	762.2	65.80	5.07	1324	596	1584
13	7	7	14	8	7	773.9	65.80	7.59	1318	596	1570
13	8	6	12	7	6	751.4	68.49	7.07	1319	595	1578
13	8	6	13	7	6	762.2	68.49	3.61	1311	595	1563
13	8	6	14	9	6	773.9	68.49	8.16	1305	595	1549
13	9	5	12	8	5	751.4	70.74	7.57	1308	594	1558
13	9	5	13	8	5	762.2	70.74	2.37	1299	594	1543
13	9	5	14	10	5	773.9	70.74	8.62	1294	594	1529
13	10	4	12	9	4	751.4	72.60	7.96	1300	593	1546
13	10	4	13	9	4	762.0	72.60	1.28	1291	594	1524
13	10	4	14	11	4	773.9	72.60	8.97	1286	592	1520
13	11	3	12	10	3	751.3	74.25	8.20	1295	590	1544
13	11	3	13	10	3	761.4	74.25	0.61	1286	593	1512
13	11	3	14	12	3	774.0	74.25	9.17	1283	588	1525
13	12	2	12	11	2	751.2	75.97	8.33	1291	584	1554
13	12	2	13	11	2	760.7	75.97	0.38	1284	587	1531
13	12	2	14	13	2	774.1	75.97	9.30	1283	583	1545
13	13	1	12	12	1	751.0	77.93	8.46	1287	576	1574
13	13	1	13	12	1	760.3	77.93	0.22	1286	580	1560
13	13	1	14	14	1	774.3	77.93	9.43	1284	576	1571
14	0	14	14	1	14	762.2	46.76	21.07	1365	598	1667
14	0	14	15	1	14	774.7	46.76	1.53	1363	599	1657
14	1	13	13	0	13	750.5	52.42	1.44	1364	598	1667
14	1	13	14	2	13	762.2	52.42	17.67	1363	599	1658
14	1	13	15	2	13	774.7	52.42	2.88	1360	600	1646
14	2	12	13	1	12	750.5	57.66	2.70	1361	598	1658
14	2	12	14	3	12	762.2	57.66	14.67	1360	599	1647
14	2	12	15	3	12	774.7	57.66	4.07	1354	600	1631
14	3	11	13	2	11	750.5	62.47	3.81	1356	599	1647
14	3	11	14	4	11	762.2	62.47	12.03	1352	600	1635
14	3	11	15	4	11	774.7	62.47	5.10	1345	600	1615
14	4	10	13	3	10	750.5	66.86	4.77	1349	598	1630
14	4	10	14	5	10	762.2	66.86	9.72	1343	599	1612
14	4	10	15	5	10	774.7	66.86	6.00	1335	599	1595
14	5	9	13	4	9	750.5	70.83	5.61	1340	598	1611
14	5	9	14	6	9	762.2	70.83	7.70	1333	598	1593
14	5	9	15	6	9	774.7	70.83	6.79	1325	598	1578
14	6	8	13	5	8	750.5	74.37	6.33	1328	597	1590
14	6	8	14	7	8	762.2	74.37	5.95	1320	597	1575
14	6	8	15	7	8	774.7	74.37	7.46	1315	597	1561
14	7	7	13	6	7	750.5	77.48	6.94	1317	596	1569
14	7	7	14	8	7	762.2	77.48	4.44	1311	596	1556
14	7	7	15	8	7	774.7	77.48	8.03	1302	595	1541
14	8	6	13	7	6	750.5	80.16	7.46	1304	595	1548
14	8	6	14	9	6	762.2	80.16	3.14	1298	594	1534
14	8	6	15	9	6	774.7	80.16	8.52	1288	593	1519
14	9	5	13	8	5	750.6	82.35	7.89	1291	594	1525
14	9	5	14	10	5	762.2	82.35	2.02	1285	594	1512
14	9	5	15	10	5	774.6	82.35	8.91	1274	592	1492
14	10	4	13	9	4	750.7	83.93	8.27	1278	595	1492

14	10	4	14	11	4	762.5	83.93	1.05	1273	593	1488
14	10	4	15	11	4	774.6	83.93	9.29	1259	594	1453
14	11	3	13	10	3	750.7	84.97	8.52	1273	595	1476
14	11	3	14	12	3	763.2	84.97	0.53	1271	590	1489
14	11	3	15	12	3	774.6	84.97	9.45	1255	592	1452
14	12	2	13	11	2	750.5	86.15	8.46	1277	590	1505
14	12	2	14	13	2	763.9	86.15	0.37	1276	585	1519
14	12	2	15	13	2	774.8	86.15	9.38	1267	587	1493
14	13	1	13	12	1	750.3	87.88	8.49	1283	583	1543
14	13	1	14	14	1	764.3	87.88	0.21	1281	579	1553
14	13	1	15	14	1	775.0	87.88	9.44	1276	582	1535
14	14	0	13	13	0	750.1	90.00	8.59	1284	576	1571
14	14	0	15	15	0	775.1	90.00	9.55	1282	575	1568
15	1	15	15	0	15	762.2	53.23	21.93	1364	599	1656
15	1	15	16	2	15	775.6	53.23	1.49	1361	601	1644
15	2	14	14	1	14	749.7	59.31	1.39	1363	599	1657
15	2	14	15	1	14	762.2	59.31	18.54	1362	601	1646
15	2	14	16	3	14	775.6	59.31	2.81	1356	602	1628
15	3	13	14	2	13	749.7	64.96	2.62	1360	600	1646
15	3	13	15	2	13	762.2	64.96	15.55	1356	602	1634
15	3	13	16	4	13	775.6	64.96	3.96	1349	602	1613
15	4	12	14	3	12	749.7	70.20	3.69	1354	600	1631
15	4	12	15	3	12	762.2	70.20	12.91	1348	601	1614
15	4	12	16	5	12	775.6	70.20	4.97	1340	601	1595
15	5	11	14	4	11	749.7	75.01	4.63	1345	600	1615
15	5	11	15	4	11	762.2	75.01	10.58	1338	601	1595
15	5	11	16	6	11	775.6	75.01	5.85	1331	600	1580
15	6	10	14	5	10	749.7	79.40	5.45	1335	599	1595
15	6	10	15	5	10	762.2	79.40	8.54	1326	599	1580
15	6	10	16	7	10	775.6	79.40	6.62	1321	599	1565
15	7	9	14	6	9	749.7	83.36	6.16	1325	598	1579
15	7	9	15	6	9	762.2	83.36	6.76	1318	598	1564
15	7	9	16	8	9	775.6	83.36	7.29	1310	597	1550
15	8	8	14	7	8	749.7	86.89	6.78	1315	597	1561
15	8	8	15	7	8	762.2	86.89	5.21	1309	596	1547
15	8	8	16	9	8	775.6	86.89	7.86	1299	595	1533
15	9	7	14	8	7	749.7	90.00	7.30	1303	595	1541
15	9	7	15	8	7	762.2	90.00	3.87	1295	594	1527
15	9	7	16	10	7	775.5	90.00	8.35	1285	594	1514
15	10	6	14	9	6	749.7	92.66	7.74	1289	593	1521
15	10	6	15	9	6	762.2	92.66	2.72	1280	593	1506
15	10	6	16	11	6	775.5	92.66	8.76	1270	592	1494
15	11	5	14	10	5	749.7	94.89	8.09	1278	592	1502
15	11	5	15	10	5	762.1	94.89	1.70	1267	591	1483
15	11	5	16	12	5	775.5	94.89	9.09	1258	590	1479
15	12	4	14	11	4	749.7	96.79	8.34	1270	590	1497
15	12	4	15	11	4	761.7	96.79	0.85	1256	591	1463
15	12	4	16	13	4	775.6	96.79	9.31	1256	588	1479
15	13	3	14	12	3	749.6	98.62	8.48	1272	586	1511
15	13	3	15	12	3	760.9	98.62	0.48	1256	588	1473
15	13	3	16	14	3	775.7	98.62	9.42	1261	584	1499
15	14	2	14	13	2	749.4	100.64	8.56	1276	582	1538
15	14	2	15	13	2	760.3	100.64	0.35	1268	583	1512
15	14	2	16	15	2	775.8	100.64	9.50	1270	580	1531

15	15	1	14	14	1	749.3	102.94	8.65	1282	575	1568
15	15	1	15	14	1	759.9	102.94	0.20	1277	578	1550
15	15	1	16	16	1	776.0	102.94	9.59	1280	575	1565
16	0	16	16	1	16	762.2	60.11	22.67	1363	601	1644
16	0	16	17	1	16	776.4	60.11	1.45	1357	602	1625
16	1	15	15	0	15	748.8	66.61	1.35	1361	601	1644
16	1	15	16	2	15	762.2	66.61	19.31	1358	603	1631
16	1	15	17	2	15	776.4	66.61	2.72	1350	603	1609
16	2	14	15	1	14	748.8	72.69	2.53	1356	602	1628
16	2	14	16	3	14	762.2	72.69	16.33	1351	603	1611
16	2	14	17	3	14	776.4	72.69	3.84	1342	603	1592
16	3	13	15	2	13	748.8	78.34	3.57	1349	602	1613
16	3	13	16	4	13	762.2	78.34	13.69	1342	603	1592
16	3	13	17	4	13	776.4	78.34	4.83	1335	603	1576
16	4	12	15	3	12	748.8	83.57	4.49	1340	601	1595
16	4	12	16	5	12	762.2	83.57	11.36	1332	602	1579
16	4	12	17	5	12	776.4	83.57	5.69	1326	601	1564
16	5	11	15	4	11	748.8	88.38	5.28	1331	600	1580
16	5	11	16	6	11	762.2	88.38	9.31	1324	600	1565
16	5	11	17	6	11	776.4	88.38	6.44	1316	600	1550
16	6	10	15	5	10	748.8	92.76	5.98	1320	599	1565
16	6	10	16	7	10	762.2	92.76	7.51	1315	598	1551
16	6	10	17	7	10	776.4	92.76	7.09	1304	598	1536
16	7	9	15	6	9	748.8	96.72	6.58	1310	597	1550
16	7	9	16	8	9	762.2	96.72	5.94	1302	597	1535
16	7	9	17	8	9	776.4	96.72	7.66	1291	596	1522
16	8	8	15	7	8	748.8	100.25	7.10	1299	595	1533
16	8	8	16	9	8	762.2	100.25	4.57	1289	595	1518
16	8	8	17	9	8	776.4	100.25	8.14	1278	594	1505
16	9	7	15	8	7	748.9	103.34	7.54	1284	593	1513
16	9	7	16	10	7	762.2	103.34	3.38	1274	592	1500
16	9	7	17	10	7	776.4	103.34	8.56	1263	591	1487
16	10	6	15	9	6	748.9	105.97	7.91	1269	591	1492
16	10	6	16	11	6	762.2	105.97	2.34	1259	590	1480
16	10	6	17	11	6	776.3	105.97	8.91	1250	588	1462
16	11	5	15	10	5	749.0	108.05	8.23	1253	590	1459
16	11	5	16	12	5	762.4	108.05	1.41	1244	588	1453
16	11	5	17	12	5	776.2	108.05	9.21	1229	587	1422
16	12	4	15	11	4	749.0	109.44	8.54	1237	591	1423
16	12	4	16	13	4	762.9	109.44	0.71	1237	587	1437
16	12	4	17	13	4	776.2	109.44	9.49	1216	587	1394
16	13	3	15	12	3	749.0	110.58	8.58	1240	588	1436
16	13	3	16	14	3	763.7	110.58	0.45	1245	585	1459
16	13	3	17	14	3	776.3	110.58	9.47	1227	585	1422
16	14	2	15	13	2	748.8	112.16	8.52	1257	585	1487
16	14	2	16	15	2	764.3	112.16	0.34	1260	582	1606
16	14	2	17	15	2	776.5	112.16	9.43	1248	582	1481
16	15	1	15	14	1	748.6	114.28	8.56	1270	580	1530
16	15	1	16	16	1	764.7	114.28	0.19	1274	577	1546
16	15	1	17	16	1	776.7	114.28	9.48	1266	579	1525
16	16	0	15	15	0	748.4	116.74	8.63	1280	575	1565
16	16	0	17	17	0	776.9	116.74	9.56	1278	574	1564
17	1	17	17	0	17	762.2	67.41	23.30	1358	603	1629
17	1	17	18	2	17	777.3	67.41	1.40	1350	604	1605

17	2	16	16	1	16	748.0	74.33	1.30	1357	602	1625
17	2	16	17	1	16	762.2	74.33	19.96	1351	604	1606
17	2	16	18	3	16	777.3	74.33	2.64	1342	604	1587
17	3	15	16	2	15	748.0	80.83	2.44	1350	603	1609
17	3	15	17	2	15	762.2	80.83	16.99	1343	604	1586
17	3	15	18	4	15	777.2	80.83	3.72	1336	604	1570
17	4	14	16	3	14	748.0	86.90	3.45	1342	603	1592
17	4	14	17	3	14	762.2	86.90	14.37	1334	604	1573
17	4	14	18	5	14	777.2	86.90	4.67	1328	603	1558
17	5	13	16	4	13	748.0	92.55	4.33	1335	603	1576
17	5	13	17	4	13	762.2	92.55	12.04	1328	602	1561
17	5	13	18	6	13	777.2	92.55	5.51	1319	602	1546
17	6	12	16	5	12	748.0	97.78	5.10	1326	601	1564
17	6	12	17	5	12	762.2	97.78	9.99	1320	601	1549
17	6	12	18	7	12	777.2	97.78	6.23	1309	600	1534
17	7	11	16	6	11	748.0	102.58	5.77	1316	600	1550
17	7	11	17	6	11	762.2	102.58	8.18	1307	599	1535
17	7	11	18	8	11	777.2	102.58	6.87	1296	598	1522
17	8	10	16	7	10	748.0	106.96	6.36	1304	598	1536
17	8	10	17	7	10	762.2	106.96	6.59	1293	597	1522
17	8	10	18	9	10	777.2	106.96	7.42	1283	596	1510
17	9	9	16	8	9	748.0	110.91	6.87	1291	596	1522
17	9	9	17	8	9	762.2	110.91	5.21	1281	595	1508
17	9	9	18	10	9	777.2	110.91	7.90	1270	593	1497
17	10	8	16	9	8	748.0	114.43	7.30	1278	594	1506
17	10	8	17	9	8	762.2	114.43	3.99	1267	593	1493
17	10	8	18	11	8	777.2	114.43	8.31	1259	591	1480
17	11	7	16	10	7	748.0	117.50	7.68	1264	591	1488
17	11	7	17	10	7	762.2	117.50	2.94	1253	589	1473
17	11	7	18	12	7	777.2	117.50	8.66	1247	588	1460
17	12	6	16	11	6	748.1	120.13	7.99	1251	589	1467
17	12	6	17	11	6	762.2	120.13	2.01	1242	587	1450
17	12	6	18	13	6	777.2	120.13	8.95	1235	586	1442
17	13	5	16	12	5	748.1	122.36	8.23	1242	587	1452
17	13	5	17	12	5	761.9	122.36	1.16	1227	585	1421
17	13	5	18	14	5	777.2	122.36	9.17	1227	584	1430
17	14	4	16	13	4	748.0	124.36	8.38	1242	585	1458
17	14	4	17	13	4	761.3	124.36	0.60	1223	584	1415
17	14	4	18	15	4	777.3	124.36	9.29	1232	582	1445
17	15	3	16	14	3	747.9	126.44	8.44	1252	582	1487
17	15	3	17	14	3	760.4	126.44	0.41	1233	582	1450
17	15	3	18	16	3	777.4	126.44	9.35	1244	580	1480
17	16	2	16	15	2	747.7	128.78	8.49	1266	579	1525
17	16	2	17	15	2	759.9	128.78	0.31	1254	580	1501
17	16	2	18	17	2	777.6	128.78	9.39	1260	577	1522
17	17	1	16	16	1	747.5	131.41	8.54	1278	574	1564
17	17	1	17	16	1	759.6	131.41	0.17	1270	576	1543
17	17	1	18	18	1	777.7	131.41	9.45	1277	574	1563
18	0	18	18	1	18	762.2	75.13	23.81	1351	604	1604
18	0	18	19	1	18	778.1	75.13	1.36	1342	605	1583
18	1	17	17	0	17	747.1	82.47	1.25	1350	604	1605
18	1	17	18	2	17	762.2	82.47	20.50	1343	605	1581
18	1	17	19	2	17	778.1	82.47	2.55	1335	605	1563
18	2	16	17	1	16	747.1	89.38	2.35	1342	604	1587

18	2	16	18	3	16	762.2	89.38	17.55	1334	605	1567
18	2	16	19	3	16	778.1	89.38	3.59	1328	605	1550
18	3	15	17	2	15	747.2	95.88	3.31	1336	604	1570
18	3	15	18	4	15	762.2	95.88	14.95	1329	604	1554
18	3	15	19	4	15	778.1	95.88	4.51	1320	604	1538
18	4	14	17	3	14	747.2	101.95	4.16	1328	603	1558
18	4	14	18	5	14	762.2	101.95	12.63	1322	603	1542
18	4	14	19	5	14	778.1	101.95	5.31	1311	602	1527
18	5	13	17	4	13	747.2	107.59	4.90	1319	602	1546
18	5	13	18	6	13	762.2	107.59	10.59	1311	602	1531
18	5	13	19	6	13	778.1	107.59	6.02	1299	601	1517
18	6	12	17	5	12	747.2	112.82	5.55	1309	600	1534
18	6	12	18	7	12	762.2	112.82	8.78	1298	599	1519
18	6	12	19	7	12	778.1	112.82	6.63	1287	598	1506
18	7	11	17	6	11	747.2	117.62	6.12	1296	598	1522
18	7	11	18	8	11	762.2	117.62	7.19	1285	597	1508
18	7	11	19	8	11	778.1	117.62	7.17	1274	595	1497
18	8	10	17	7	10	747.2	121.99	6.62	1283	596	1510
18	8	10	18	9	10	762.2	121.99	5.78	1272	595	1498
18	8	10	19	9	10	778.1	121.99	7.63	1263	593	1487
18	9	9	17	8	9	747.2	125.93	7.04	1270	593	1497
18	9	9	18	10	9	762.2	125.93	4.56	1259	591	1485
18	9	9	19	10	9	778.0	125.93	8.04	1253	590	1470
18	10	8	17	9	8	747.2	129.43	7.41	1259	591	1479
18	10	8	18	11	8	762.2	129.43	3.49	1251	589	1466
18	10	8	19	11	8	778.0	129.43	8.38	1242	587	1454
18	11	7	17	10	7	747.2	132.49	7.72	1246	588	1458
18	11	7	18	12	7	762.2	132.49	2.55	1240	586	1446
18	11	7	19	12	7	778.0	132.49	8.67	1227	584	1434
18	12	6	17	11	6	747.3	135.04	7.99	1230	585	1432
18	12	6	18	13	6	762.3	135.04	1.71	1223	584	1423
18	12	6	19	13	6	777.9	135.04	8.93	1207	581	1404
18	13	5	17	12	5	747.4	136.94	8.24	1208	584	1388
18	13	5	18	14	5	762.6	136.94	0.95	1207	582	1398
18	13	5	19	14	5	777.8	136.94	9.19	1183	579	1361
18	14	4	17	13	4	747.4	138.22	8.43	1197	583	1372
18	14	4	18	15	4	763.4	138.22	0.52	1205	580	1402
18	14	4	19	15	4	777.8	138.22	9.31	1176	578	1357
18	15	3	17	14	3	747.2	139.64	8.35	1213	582	1415
18	15	3	18	16	3	764.2	139.64	0.40	1224	579	1445
18	15	3	19	16	3	778.0	139.64	9.21	1205	578	1413
18	16	2	17	15	2	747.0	141.66	8.32	1241	580	1475
18	16	2	18	17	2	764.7	141.66	0.30	1248	578	1498
18	16	2	19	17	2	778.3	141.66	9.20	1235	577	1473
18	17	1	17	16	1	746.8	144.15	8.35	1260	577	1522
18	17	1	18	18	1	765.0	144.15	0.17	1267	575	1542
18	17	1	19	18	1	778.4	144.15	9.23	1256	576	1521
18	18	0	17	17	0	746.7	146.95	8.39	1277	574	1563
18	18	0	19	19	0	778.6	146.95	9.27	1275	573	1563
19	1	19	19	0	19	762.2	83.26	24.21	1342	605	1577
19	1	19	20	2	19	778.9	83.26	1.31	1334	605	1558
19	2	18	18	1	18	746.3	91.02	1.20	1342	605	1583
19	2	18	19	1	18	762.2	91.02	20.92	1333	606	1560
19	2	18	20	3	18	778.9	91.02	2.45	1327	605	1542

19	3	17	18	2	17	746.3	98.35	2.25	1335	605	1563
19	3	17	19	2	17	762.2	98.35	18.01	1328	605	1546
19	3	17	20	4	17	778.9	98.35	3.46	1319	605	1529
19	4	16	18	3	16	746.3	105.27	3.18	1328	605	1550
19	4	16	19	3	16	762.2	105.27	15.42	1322	604	1534
19	4	16	20	5	16	778.9	105.27	4.34	1310	604	1517
19	5	15	18	4	15	746.3	111.76	3.99	1320	604	1538
19	5	15	19	4	15	762.2	111.76	13.13	1311	603	1522
19	5	15	20	6	15	778.9	111.76	5.11	1299	602	1507
19	6	14	18	5	14	746.3	117.83	4.70	1311	602	1527
19	6	14	19	5	14	762.2	117.83	11.09	1300	601	1511
19	6	14	20	7	14	778.9	117.83	5.79	1288	600	1498
19	7	13	18	6	13	746.3	123.47	5.33	1299	601	1517
19	7	13	19	6	13	762.2	123.47	9.29	1288	599	1502
19	7	13	20	8	13	778.9	123.47	6.38	1277	598	1491
19	8	12	18	7	12	746.3	128.69	5.87	1287	598	1506
19	8	12	19	7	12	762.2	128.69	7.70	1276	597	1494
19	8	12	20	9	12	778.9	128.69	6.90	1267	595	1483
19	9	11	18	8	11	746.3	133.48	6.35	1274	595	1497
19	9	11	19	8	11	762.2	133.48	6.30	1263	594	1485
19	9	11	20	10	11	778.9	133.48	7.35	1258	592	1472
19	10	10	18	9	10	746.3	137.85	6.76	1263	593	1487
19	10	10	19	9	10	762.2	137.85	5.07	1255	591	1472
19	10	10	20	11	10	778.9	137.85	7.73	1247	590	1460
19	11	9	18	10	9	746.4	141.78	7.12	1253	590	1471
19	11	9	19	10	9	762.2	141.78	3.98	1248	589	1458
19	11	9	20	12	9	778.9	141.78	8.07	1238	587	1448
19	12	8	18	11	8	746.4	145.27	7.42	1243	588	1454
19	12	8	19	11	8	762.2	145.27	3.03	1234	586	1442
19	12	8	20	13	8	778.9	145.27	8.36	1223	583	1433
19	13	7	18	12	7	746.4	148.31	7.68	1229	585	1437
19	13	7	19	12	7	762.2	148.31	2.20	1216	582	1426
19	13	7	20	14	7	778.9	148.31	8.60	1210	581	1417
19	14	6	18	13	6	746.4	150.91	7.90	1217	582	1420
19	14	6	19	13	6	762.1	150.91	1.43	1201	579	1401
19	14	6	20	15	6	778.8	150.91	8.80	1199	578	1403
19	15	5	18	14	5	746.4	153.16	8.05	1211	580	1416
19	15	5	19	14	5	761.6	153.16	0.77	1187	577	1379
19	15	5	20	16	5	778.9	153.16	8.93	1196	577	1405
19	16	4	18	15	4	746.3	155.34	8.11	1219	579	1437
19	16	4	19	15	4	760.7	155.34	0.46	1191	577	1393
19	16	4	20	17	4	779.0	155.34	8.98	1208	576	1431
19	17	3	18	16	3	746.1	157.71	8.13	1235	577	1477
19	17	3	19	16	3	760.0	157.71	0.37	1217	576	1443
19	17	3	20	18	3	779.1	157.71	8.99	1230	575	1473
19	18	2	18	17	2	746.0	160.39	8.15	1256	576	1521
19	18	2	19	17	2	759.5	160.39	0.28	1243	576	1496
19	18	2	20	19	2	779.3	160.39	9.01	1252	575	1520
19	19	1	18	18	1	745.8	163.36	8.18	1275	573	1563
19	19	1	19	18	1	759.2	163.36	0.15	1264	574	1542
19	19	1	20	20	1	779.5	163.36	9.04	1274	573	1563
20	0	20	20	1	20	762.2	91.80	24.49	1332	606	1556
20	0	20	21	1	20	779.8	91.80	1.26	1325	606	1537
20	1	19	19	0	19	745.5	99.98	1.15	1334	605	1558

20	1	19	20	2	19	762.2	99.98	21.24	1326	606	1538
20	1	19	21	2	19	779.8	99.98	2.36	1317	605	1520
20	2	18	19	1	18	745.5	107.74	2.16	1327	605	1542
20	2	18	20	3	18	762.2	107.74	18.36	1320	605	1524
20	2	18	21	3	18	779.8	107.74	3.32	1308	605	1506
20	3	17	19	2	17	745.5	115.07	3.04	1319	605	1529
20	3	17	20	4	17	762.2	115.07	15.80	1310	604	1512
20	3	17	21	4	17	779.8	115.07	4.17	1297	603	1495
20	4	16	19	3	16	745.5	121.99	3.82	1310	604	1517
20	4	16	20	5	16	762.2	121.99	13.53	1298	603	1501
20	4	16	21	5	16	779.8	121.99	4.91	1286	602	1487
20	5	15	19	4	15	745.5	128.47	4.50	1299	602	1507
20	5	15	20	6	15	762.2	128.47	11.52	1287	601	1492
20	5	15	21	6	15	779.7	128.47	5.55	1275	599	1480
20	6	14	19	5	14	745.5	134.54	5.09	1288	600	1498
20	6	14	20	7	14	762.2	134.54	9.73	1276	599	1485
20	6	14	21	7	14	779.7	134.54	6.12	1268	598	1474
20	7	13	19	6	13	745.5	140.18	5.61	1277	598	1491
20	7	13	20	8	13	762.2	140.18	8.15	1265	596	1479
20	7	13	21	8	13	779.7	140.18	6.61	1260	595	1466
20	8	12	19	7	12	745.5	145.39	6.07	1267	595	1483
20	8	12	20	9	12	762.2	145.39	6.75	1259	593	1471
20	8	12	21	9	12	779.7	145.39	7.04	1251	592	1458
20	9	11	19	8	11	745.5	150.18	6.46	1258	592	1472
20	9	11	20	10	11	762.2	150.18	5.51	1252	591	1459
20	9	11	21	10	11	779.7	150.18	7.41	1242	589	1449
20	10	10	19	9	10	745.5	154.53	6.80	1247	590	1460
20	10	10	20	11	10	762.2	154.53	4.43	1240	588	1449
20	10	10	21	11	10	779.7	154.53	7.74	1230	586	1440
20	11	9	19	10	9	745.5	158.45	7.10	1238	587	1448
20	11	9	20	12	9	762.2	158.45	3.47	1225	585	1438
20	11	9	21	12	9	779.7	158.45	8.02	1218	582	1429
20	12	8	19	11	8	745.5	161.93	7.36	1222	583	1432
20	12	8	20	13	8	762.2	161.93	2.63	1214	581	1423
20	12	8	21	13	8	779.7	161.93	8.26	1204	579	1414
20	13	7	19	12	7	745.6	164.93	7.57	1206	580	1414
20	13	7	20	14	7	762.2	164.93	1.88	1200	578	1405
20	13	7	21	14	7	779.6	164.93	8.46	1188	575	1393
20	14	6	19	13	6	745.7	167.34	7.77	1184	576	1378
20	14	6	20	15	6	762.4	167.34	1.19	1182	575	1379
20	14	6	21	15	6	779.5	167.34	8.65	1161	572	1351
20	15	5	19	14	5	745.8	169.01	7.98	1158	574	1337
20	15	5	20	16	5	763.0	169.01	0.63	1167	574	1363
20	15	5	21	16	5	779.5	169.01	8.85	1139	570	1315
20	16	4	19	15	4	745.7	170.37	8.01	1164	574	1350
20	16	4	20	17	4	763.9	170.37	0.42	1181	573	1389
20	16	4	21	17	4	779.6	170.37	8.81	1157	570	1346
20	17	3	19	16	3	745.5	172.21	7.91	1200	575	1414
20	17	3	20	18	3	764.6	172.21	0.35	1213	574	1443
20	17	3	21	18	3	779.8	172.21	8.74	1194	572	1417
20	16	2	19	17	2	745.3	174.65	7.90	1228	576	1472
20	18	2	20	19	2	765.0	174.65	0.27	1238	574	1496
20	18	2	21	19	2	780.0	174.65	8.73	1223	573	1471
20	19	1	19	18	1	745.1	177.49	7.90	1252	575	1520

20	19	1	20	20	1	765.3	177.49	0.14	1262	573	1541
20	19	1	21	20	1	780.2	177.49	8.74	1249	574	1520
20	20	0	19	19	0	744.9	180.64	7.92	1274	573	1563
20	20	0	21	21	0	780.3	180.64	8.75	1273	572	1563
21	1	21	21	0	21	762.2	100.77	24.66	1325	606	1535
21	1	21	22	2	21	780.6	100.77	1.21	1315	606	1515
21	2	20	20	1	20	744.6	109.37	1.10	1325	606	1537
21	2	20	21	1	20	762.2	109.37	21.45	1318	606	1517
21	2	20	22	3	20	780.6	109.37	2.26	1305	605	1498
21	3	19	20	2	19	744.6	117.54	2.06	1317	605	1520
21	3	19	21	2	19	762.2	117.54	18.61	1307	605	1501
21	3	19	22	4	19	780.6	117.54	3.19	1294	604	1484
21	4	18	20	3	18	744.6	125.30	2.90	1308	605	1506
21	4	18	21	3	18	762.2	125.30	16.08	1296	604	1487
21	4	18	22	5	18	780.6	125.30	3.99	1283	603	1473
21	5	17	20	4	17	744.6	132.63	3.64	1297	603	1495
21	5	17	21	4	17	762.2	132.63	13.84	1285	602	1479
21	5	17	22	6	17	780.6	132.63	4.70	1275	601	1466
21	6	16	20	5	16	744.6	139.54	4.29	1286	602	1487
21	6	16	21	5	16	762.2	139.54	11.85	1274	601	1473
21	6	16	22	7	16	780.6	139.54	5.31	1265	599	1461
21	7	15	20	6	15	744.7	146.02	4.85	1275	599	1480
21	7	15	21	6	15	762.2	146.02	10.08	1264	598	1467
21	7	15	22	8	15	780.6	146.02	5.85	1258	596	1454
21	8	14	20	7	14	744.7	152.08	5.35	1268	598	1474
21	8	14	21	7	14	762.2	152.08	8.52	1259	596	1463
21	8	14	22	9	14	780.6	152.08	6.32	1251	594	1448
21	9	13	20	8	13	744.7	157.71	5.78	1260	595	1466
21	9	13	21	8	13	762.2	157.71	7.13	1254	593	1453
21	9	13	22	10	13	780.6	157.71	6.73	1244	591	1443
21	10	12	20	9	12	744.7	162.92	6.16	1251	592	1458
21	10	12	21	9	12	762.2	162.92	5.90	1244	590	1446
21	10	12	22	11	12	780.6	162.92	7.08	1234	588	1437
21	11	11	20	10	11	744.7	167.70	6.48	1242	589	1449
21	11	11	21	10	11	762.2	167.70	4.82	1232	587	1440
21	11	11	22	12	11	780.6	167.70	7.39	1224	585	1431
21	12	10	20	11	10	744.7	172.05	6.76	1230	586	1440
21	12	10	21	11	10	762.2	172.05	3.86	1221	583	1431
21	12	10	22	13	10	780.5	172.05	7.66	1213	581	1424
21	13	9	20	12	9	744.7	175.95	7.01	1218	582	1429
21	13	9	21	12	9	762.2	175.95	3.02	1212	580	1420
21	13	9	22	14	9	780.5	175.95	7.89	1202	578	1413
21	14	8	20	13	8	744.7	179.41	7.22	1205	579	1416
21	14	8	21	13	8	762.2	179.41	2.27	1196	577	1407
21	14	8	22	15	8	780.5	179.41	8.08	1187	575	1401
21	15	7	20	14	7	744.7	182.41	7.40	1192	576	1400
21	15	7	21	14	7	762.2	182.41	1.60	1180	574	1387
21	15	7	22	16	7	780.5	182.41	8.25	1175	572	1386
21	16	6	20	15	6	744.7	184.99	7.54	1181	574	1388
21	16	6	21	15	6	761.9	184.99	0.97	1160	571	1361
21	16	6	22	17	6	780.5	184.99	8.37	1167	570	1376
21	17	5	20	16	5	744.7	187.34	7.61	1184	573	1396
21	17	5	21	16	5	761.1	187.34	0.52	1155	569	1350
21	17	5	22	18	5	780.6	187.34	8.43	1173	570	1390

21	18	4	20	17	4	744.6	189.75	7.62	1201	573	1427
21	18	4	21	17	4	760.2	189.75	0.38	1177	570	1387
21	18	4	22	19	4	780.7	189.75	8.43	1195	571	1425
21	19	3	20	18	3	744.4	192.45	7.62	1225	573	1471
21	19	3	21	18	3	759.6	192.45	0.33	1206	572	1445
21	19	3	22	20	3	780.9	192.45	8.42	1220	571	1472
21	20	2	20	19	2	744.2	195.47	7.61	1249	574	1520
21	20	2	21	19	2	759.2	195.47	0.24	1234	573	1495
21	20	2	22	21	2	781.0	195.47	8.42	1246	572	1519
22	0	22	22	1	22	762.2	110.14	24.72	1317	606	1512
22	0	22	23	1	22	781.4	110.14	1.16	1303	605	1494
22	1	21	21	0	21	743.8	119.16	1.05	1315	606	1515
22	1	21	22	2	21	762.2	119.16	21.56	1304	605	1495
22	1	21	23	2	21	781.4	119.16	2.17	1290	605	1476
22	2	20	21	1	20	743.8	127.76	1.96	1305	605	1498
22	2	20	22	3	20	762.2	127.76	18.76	1292	604	1478
22	2	20	23	3	20	781.4	127.76	3.05	1279	603	1462
22	3	19	21	2	19	743.8	135.94	2.77	1294	604	1484
22	3	19	22	4	19	762.2	135.94	16.27	1281	603	1467
22	3	19	23	4	19	781.4	135.94	3.81	1271	602	1452
22	4	18	21	3	18	743.8	143.69	3.47	1283	603	1473
22	4	18	22	5	18	762.2	143.69	14.06	1270	602	1459
22	4	18	23	5	18	781.4	143.69	4.49	1264	600	1446
22	5	17	21	4	17	743.8	151.02	4.08	1275	601	1466
22	5	17	22	6	17	762.2	151.02	12.10	1266	599	1454
22	5	17	23	6	17	781.4	151.02	5.07	1257	598	1439
22	6	16	21	5	16	743.8	157.92	4.61	1265	599	1461
22	6	16	22	7	16	762.2	157.92	10.36	1256	597	1447
22	6	16	23	7	16	781.4	157.92	5.58	1248	595	1432
22	7	15	21	6	15	743.8	164.40	5.08	1258	596	1454
22	7	15	22	8	15	762.2	164.40	8.81	1252	595	1439
22	7	15	23	8	15	781.4	164.40	6.02	1242	593	1429
22	8	14	21	7	14	743.8	170.45	5.49	1251	594	1448
22	8	14	22	9	14	762.2	170.45	7.44	1243	592	1436
22	8	14	23	9	14	781.4	170.45	6.41	1233	590	1428
22	9	13	21	8	13	743.8	176.08	5.84	1244	591	1443
22	9	13	22	10	13	762.2	176.08	6.22	1234	590	1433
22	9	13	23	10	13	781.4	176.08	6.74	1224	587	1425
22	10	12	21	9	12	743.8	181.29	6.15	1234	588	1437
22	10	12	22	11	12	762.2	181.29	5.15	1225	585	1429
22	10	12	23	11	12	781.4	181.29	7.03	1217	583	1421
22	11	11	21	10	11	743.8	186.06	6.42	1224	585	1431
22	11	11	22	12	11	762.2	186.06	4.20	1217	582	1423
22	11	11	23	12	11	781.4	186.06	7.28	1208	580	1417
22	12	10	21	11	10	743.9	190.39	6.65	1213	581	1423
22	12	10	22	13	10	762.2	190.39	3.36	1205	580	1416
22	12	10	23	13	10	781.4	190.39	7.50	1195	578	1410
22	13	9	21	12	9	743.9	194.28	6.85	1201	578	1413
22	13	9	22	14	9	762.2	194.28	2.62	1191	576	1406
22	13	9	23	14	9	781.3	194.28	7.69	1183	573	1400
22	14	8	21	13	8	743.9	197.71	7.02	1185	574	1399
22	14	8	22	15	8	762.2	197.71	1.95	1176	573	1393
22	14	8	23	15	8	781.3	197.71	7.85	1168	570	1381
22	15	7	21	14	7	744.0	200.62	7.17	1167	571	1369

22	15	7	22	16	7	762.3	200.62	1.35	1162	569	1368
22	15	7	23	16	7	781.2	200.62	7.99	1148	566	1348
22	16	6	21	15	6	744.1	202.81	7.33	1139	567	1325
22	16	6	22	17	6	762.7	202.81	0.79	1145	566	1340
22	16	6	23	17	6	781.1	202.81	8.16	1118	562	1301
22	17	5	21	16	5	744.1	204.34	7.46	1126	566	1300
22	17	5	22	18	5	763.6	204.34	0.45	1144	566	1340
22	17	5	23	18	5	781.1	204.34	8.24	1114	561	1293
22	18	4	21	17	4	744.0	205.98	7.38	1151	567	1348
22	18	4	22	19	4	764.5	205.98	0.36	1170	567	1390
22	18	4	23	19	4	781.3	205.98	8.13	1147	564	1356
22	19	3	21	18	3	743.7	208.29	7.32	1189	570	1419
22	19	3	22	20	3	765.0	208.29	0.31	1203	570	1447
22	19	3	23	20	3	781.6	208.29	8.09	1187	567	1423
22	20	2	21	19	2	743.5	211.12	7.30	1220	571	1472
22	20	2	22	21	2	765.4	211.12	0.23	1232	571	1496
22	20	2	23	21	2	781.7	211.12	8.07	1217	570	1473
23	1	23	23	0	23	762.2	119.93	24.68	1303	606	1492
23	1	23	24	2	23	782.3	119.93	1.11	1288	605	1471
23	2	22	22	1	22	743.0	129.37	1.00	1303	605	1493
23	2	22	23	1	22	762.2	129.37	21.58	1289	605	1472
23	2	22	24	3	22	782.3	129.37	2.07	1275	604	1454
23	3	21	22	2	21	743.0	138.39	1.87	1290	605	1476
23	3	21	23	2	21	762.2	138.39	18.82	1277	604	1457
23	3	21	24	4	21	782.3	138.39	2.91	1266	602	1441
23	4	20	22	3	20	743.0	146.99	2.63	1279	603	1462
23	4	20	23	3	20	762.2	146.99	16.37	1265	602	1446
23	4	20	24	5	20	782.3	146.99	3.64	1258	601	1432
23	5	19	22	4	19	743.0	155.16	3.29	1271	602	1452
23	5	19	23	4	19	762.2	155.16	14.20	1261	600	1438
23	5	19	24	6	19	782.3	155.16	4.27	1252	598	1421
23	6	18	22	5	18	743.0	162.91	3.87	1264	600	1446
23	6	18	23	5	18	762.2	162.91	12.27	1257	598	1430
23	6	18	24	7	18	782.3	162.91	4.82	1246	596	1416
23	7	17	22	6	17	743.0	170.23	4.37	1257	598	1439
23	7	17	23	6	17	762.2	170.23	10.56	1248	596	1425
23	7	17	24	8	17	782.3	170.23	5.30	1237	594	1412
23	8	16	22	7	16	743.0	177.13	4.81	1248	595	1432
23	8	16	23	7	16	762.2	177.13	9.03	1240	594	1419
23	8	16	24	9	16	782.2	177.13	5.72	1229	591	1411
23	9	15	22	8	15	743.0	183.61	5.20	1242	593	1429
23	9	15	23	8	15	762.2	183.61	7.68	1231	591	1419
23	9	15	24	10	15	782.2	183.61	6.08	1222	589	1412
23	10	14	22	9	14	743.0	189.66	5.53	1233	590	1428
23	10	14	23	9	14	762.2	189.66	6.48	1223	587	1419
23	10	14	24	11	14	782.2	189.66	6.40	1217	585	1412
23	11	13	22	10	13	743.0	195.28	5.82	1224	587	1425
23	11	13	23	10	13	762.2	195.28	5.42	1218	585	1417
23	11	13	24	12	13	782.2	195.28	6.67	1209	583	1411
23	12	12	22	11	12	743.0	200.48	6.07	1217	583	1422
23	12	12	23	11	12	762.2	200.48	4.48	1209	581	1414
23	12	12	24	13	12	782.2	200.48	6.91	1199	580	1409
23	13	11	22	12	11	743.0	205.24	6.29	1209	580	1417
23	13	11	23	12	11	762.2	205.24	3.65	1198	579	1410

23	13	11	24	14	11	782.2	205.24	7.11	1191	576	1405
23	14	10	22	13	10	743.0	209.56	6.47	1196	578	1410
23	14	10	23	13	10	762.2	209.56	2.91	1186	576	1404
23	14	10	24	15	10	782.2	209.56	7.28	1181	573	1398
23	15	9	22	14	9	743.0	213.43	6.64	1184	574	1400
23	15	9	23	14	9	762.2	213.43	2.26	1176	571	1394
23	15	9	24	16	9	782.2	213.43	7.43	1170	569	1388
23	16	8	22	15	8	743.1	216.84	6.78	1172	571	1387
23	16	8	23	15	8	762.2	216.84	1.67	1163	568	1375
23	16	8	24	17	8	782.1	216.84	7.56	1158	566	1372
23	17	7	22	16	7	743.1	219.80	6.89	1160	568	1370
23	17	7	23	16	7	762.1	219.80	1.12	1146	564	1350
23	17	7	24	18	7	782.1	219.80	7.67	1145	564	1357
23	18	6	22	17	6	743.1	222.40	6.97	1155	567	1365
23	18	6	23	17	6	761.5	222.40	0.63	1128	562	1326
23	18	6	24	19	6	782.2	222.40	7.73	1145	562	1357
23	19	5	22	18	5	743.0	224.91	6.99	1166	567	1385
23	19	5	23	18	5	760.6	224.91	0.39	1137	561	1338
23	19	5	24	20	5	782.3	224.91	7.73	1162	563	1385
23	20	4	22	19	4	742.8	227.62	6.97	1190	568	1426
23	20	4	23	19	4	759.7	227.62	0.33	1167	565	1395
23	20	4	24	21	4	782.4	227.62	7.71	1187	566	1429
24	0	24	24	1	24	762.2	130.13	24.55	1288	605	1468
24	0	24	25	1	24	783.1	130.13	1.06	1273	604	1449
24	1	23	23	0	23	742.1	140.00	0.95	1288	605	1471
24	1	23	24	2	23	762.2	140.00	21.50	1274	604	1451
24	1	23	25	2	23	783.1	140.00	1.97	1263	602	1434
24	2	22	23	1	22	742.1	149.44	1.77	1275	604	1454
24	2	22	24	3	22	762.2	149.44	18.79	1260	603	1437
24	2	22	25	3	22	783.1	149.44	2.77	1253	601	1422
24	3	21	23	2	21	742.1	158.46	2.49	1266	602	1441
24	3	21	24	4	21	762.2	158.46	16.39	1256	600	1424
24	3	21	25	4	21	783.1	158.46	3.46	1246	599	1407
24	4	20	23	3	20	742.1	167.05	3.12	1258	601	1432
24	4	20	24	5	20	762.2	167.05	14.26	1251	599	1413
24	4	20	25	5	20	783.1	167.05	4.06	1239	597	1399
24	5	19	23	4	19	742.1	175.22	3.66	1252	598	1421
24	5	19	24	6	19	762.2	175.22	12.36	1242	597	1407
24	5	19	25	6	19	783.1	175.22	4.58	1231	595	1394
24	6	18	23	5	18	742.1	182.96	4.14	1246	596	1416
24	6	18	24	7	18	762.2	182.96	10.68	1234	595	1403
24	6	18	25	7	18	783.1	182.96	5.03	1224	592	1393
24	7	17	23	6	17	742.1	190.28	4.55	1237	594	1412
24	7	17	24	8	17	762.2	190.28	9.19	1226	593	1401
24	7	17	25	8	17	783.1	190.28	5.42	1217	590	1393
24	8	16	23	7	16	742.2	197.18	4.91	1229	591	1411
24	8	16	24	9	16	762.2	197.18	7.86	1219	589	1403
24	8	16	25	9	16	783.1	197.18	5.76	1214	587	1395
24	9	15	23	8	15	742.2	203.65	5.22	1222	589	1412
24	9	15	24	10	15	762.2	203.65	6.68	1217	586	1404
24	9	15	25	10	15	783.1	203.65	6.05	1208	584	1398
24	10	14	23	9	14	742.2	209.70	5.49	1217	585	1412
24	10	14	24	11	14	762.2	209.70	5.64	1209	583	1405
24	10	14	25	11	14	783.1	209.70	6.31	1199	582	1399

24	11	13	23	10	13	742.2	215.31	5.72	1209	583	1411
24	11	13	24	12	13	762.2	215.31	4.71	1199	581	1405
24	11	13	25	12	13	783.1	215.31	6.52	1192	578	1400
24	12	12	23	11	12	742.2	220.50	5.92	1199	579	1408
24	12	12	24	13	12	762.2	220.50	3.89	1189	578	1403
24	12	12	25	13	12	783.0	220.50	6.71	1185	575	1398
24	13	11	23	12	11	742.2	225.25	6.10	1191	576	1404
24	13	11	24	14	11	762.2	225.25	3.16	1184	573	1399
24	13	11	25	14	11	783.0	225.25	6.88	1177	572	1395
24	14	10	23	13	10	742.2	229.55	6.25	1181	573	1398
24	14	10	24	15	10	762.2	229.55	2.52	1176	570	1393
24	14	10	25	15	10	783.0	229.55	7.01	1167	569	1387
24	15	9	23	14	9	742.2	233.40	6.38	1169	569	1387
24	15	9	24	16	9	762.2	233.40	1.94	1162	567	1380
24	15	9	25	16	9	783.0	233.40	7.13	1154	564	1371
24	16	8	23	15	8	742.3	236.76	6.49	1153	565	1362
24	16	8	24	17	8	762.2	236.76	1.42	1147	564	1359
24	16	8	25	17	8	782.9	236.76	7.24	1137	561	1348
24	17	7	23	16	7	742.4	239.51	6.60	1129	561	1328
24	17	7	24	18	7	762.4	239.51	0.92	1128	560	1335
24	17	7	25	18	7	782.8	239.51	7.34	1108	556	1310
24	18	6	23	17	6	742.5	241.45	6.74	1098	557	1284
24	18	6	24	19	6	763.1	241.45	0.51	1117	557	1316
24	18	6	25	19	6	782.7	241.45	7.48	1081	551	1267
24	19	5	23	18	5	742.4	243.03	6.74	1106	556	1293
24	19	5	24	20	5	764.2	243.03	0.35	1131	558	1340
24	19	5	25	20	5	782.8	243.03	7.43	1103	553	1299
24	20	4	23	19	4	742.2	245.11	6.65	1147	562	1363
24	20	4	24	21	4	764.9	245.11	0.32	1167	562	1400
24	20	4	25	21	4	783.1	245.11	7.35	1149	559	1371
25	1	25	25	0	25	762.2	140.75	24.32	1272	604	1447
25	1	25	26	2	25	783.9	140.75	1.00	1260	602	1429
25	2	24	24	1	24	741.3	151.04	0.90	1273	604	1449
25	2	24	25	1	24	762.2	151.04	21.33	1258	603	1431
25	2	24	26	3	24	783.9	151.04	1.88	1250	601	1412
25	3	23	24	2	23	741.3	160.90	1.68	1263	602	1434
25	3	23	25	2	23	762.2	160.90	18.68	1252	600	1413
25	3	23	26	4	23	783.9	160.90	2.63	1241	599	1395
25	4	22	24	3	22	741.3	170.34	2.36	1253	601	1422
25	4	22	25	3	22	762.2	170.34	16.32	1246	599	1400
25	4	22	26	5	22	783.9	170.34	3.28	1233	597	1385
25	5	21	24	4	21	741.3	179.35	2.95	1246	599	1407
25	5	21	25	4	21	762.2	179.35	14.24	1236	597	1391
25	5	21	26	6	21	783.9	179.35	3.85	1224	595	1378
25	6	20	24	5	20	741.3	187.94	3.46	1239	597	1399
25	6	20	25	5	20	762.2	187.94	12.38	1227	595	1385
25	6	20	26	7	20	783.9	187.94	4.34	1216	593	1375
25	7	19	24	6	19	741.3	196.11	3.90	1231	595	1394
25	7	19	25	6	19	762.2	196.11	10.74	1220	593	1382
25	7	19	26	8	19	783.9	196.11	4.76	1210	591	1374
25	8	18	24	7	18	741.3	203.85	4.28	1224	592	1393
25	8	18	25	7	18	762.2	203.85	9.28	1213	590	1383
25	8	18	26	9	18	783.9	203.85	5.12	1207	588	1376
25	9	17	24	8	17	741.3	211.17	4.62	1217	590	1393

25	9	17	25	8	17	762.2	211.17	7.98	1211	587	1385
25	9	17	26	10	17	783.9	211.17	5.44	1203	585	1379
25	10	16	24	9	16	741.3	218.06	4.91	1214	587	1395
25	10	16	25	9	16	762.2	218.06	6.82	1206	585	1388
25	10	16	26	11	16	783.9	218.06	5.71	1196	583	1383
25	11	15	24	10	15	741.3	224.52	5.16	1208	584	1398
25	11	15	25	10	15	762.2	224.52	5.80	1198	582	1392
25	11	15	26	12	15	783.9	224.52	5.94	1191	579	1387
25	12	14	24	11	14	741.3	230.56	5.37	1199	582	1399
25	12	14	25	11	14	762.2	230.56	4.89	1189	580	1394
25	12	14	26	13	14	783.9	230.56	6.15	1185	577	1389
25	13	13	24	12	13	741.3	236.17	5.56	1192	578	1400
25	13	13	25	12	13	762.2	236.17	4.08	1185	576	1394
25	13	13	26	14	13	783.9	236.17	6.32	1179	574	1390
25	14	12	24	13	12	741.4	241.34	5.72	1185	575	1398
25	14	12	25	13	12	762.2	241.34	3.37	1181	572	1393
25	14	12	26	15	12	783.9	241.34	6.47	1173	571	1389
25	15	11	24	14	11	741.4	246.08	5.86	1178	572	1395
25	15	11	25	14	11	762.2	246.08	2.73	1170	570	1389
25	15	11	26	16	11	783.9	246.08	6.59	1163	568	1384
25	16	10	24	15	10	741.4	250.37	5.98	1168	569	1387
25	16	10	25	15	10	762.2	250.37	2.17	1159	567	1381
25	16	10	26	17	10	783.8	250.37	6.70	1154	565	1375
25	17	9	24	16	9	741.4	254.20	6.08	1155	566	1374
25	17	9	25	16	9	762.2	254.20	1.66	1146	563	1366
25	17	9	26	18	9	783.8	254.20	6.80	1142	561	1362
25	18	8	24	17	8	741.4	257.56	6.17	1141	562	1358
25	18	8	25	17	8	762.2	257.56	1.20	1132	559	1347
25	18	8	26	19	8	783.8	257.56	6.88	1131	558	1348
25	19	7	24	18	7	741.4	260.48	6.24	1134	559	1347
25	19	7	25	18	7	761.9	260.48	0.75	1114	555	1322
25	19	7	26	20	7	783.8	260.48	6.94	1125	555	1340
25	20	6	24	19	6	741.4	263.16	6.27	1138	558	1353
25	20	6	25	19	6	761.0	263.16	0.42	1104	552	1309
25	20	6	26	21	6	783.9	263.16	6.95	1131	554	1353
26	0	26	26	1	26	762.2	151.78	24.01	1256	603	1428
26	0	26	27	1	26	784.8	151.78	0.95	1248	601	1406
26	1	25	25	0	25	740.5	162.49	0.85	1260	602	1429
26	1	25	26	2	25	762.2	162.49	21.08	1248	600	1407
26	1	25	27	2	25	784.8	162.49	1.78	1237	599	1387
26	2	24	25	1	24	740.5	172.77	1.59	1250	601	1412
26	2	24	26	3	24	762.2	172.77	18.48	1242	599	1390
26	2	24	27	3	24	784.8	172.77	2.49	1229	597	1374
26	3	23	25	2	23	740.5	182.63	2.22	1241	599	1395
26	3	23	26	4	23	762.2	182.63	16.19	1230	597	1379
26	3	23	27	4	23	784.8	182.63	3.11	1218	595	1365
26	4	22	25	3	22	740.5	192.07	2.78	1233	597	1385
26	4	22	26	5	22	762.2	192.07	14.15	1220	595	1370
26	4	22	27	5	22	784.8	192.07	3.64	1209	593	1359
26	5	21	25	4	21	740.5	201.08	3.26	1224	595	1378
26	5	21	26	6	21	762.2	201.08	12.34	1212	594	1365
26	5	21	27	6	21	784.8	201.08	4.09	1202	591	1356
26	6	20	25	5	20	740.5	209.67	3.67	1216	593	1375
26	6	20	26	7	20	762.2	209.67	10.73	1206	590	1364

26	6	20	27	7	20	784.8	209.67	4.49	1199	588	1356
26	7	19	25	6	19	740.5	217.83	4.03	1210	591	1374
26	7	19	26	8	19	762.2	217.83	9.30	1203	588	1365
26	7	19	27	8	19	784.8	217.83	4.83	1196	586	1358
26	8	18	25	7	18	740.5	225.57	4.34	1207	588	1376
26	8	18	26	9	18	762.2	225.57	8.04	1199	586	1368
26	8	18	27	9	18	784.7	225.57	5.12	1190	584	1363
26	9	17	25	8	17	740.5	232.88	4.60	1203	585	1379
26	9	17	26	10	17	762.2	232.88	6.91	1193	583	1372
26	9	17	27	10	17	784.7	232.88	5.37	1185	580	1367
26	10	16	25	9	16	740.5	239.77	4.83	1196	583	1383
26	10	16	26	11	16	762.2	239.77	5.91	1186	581	1378
26	10	16	27	11	16	784.7	239.77	5.59	1181	578	1373
26	11	15	25	10	15	740.5	246.23	5.03	1191	579	1387
26	11	15	26	12	15	762.2	246.23	5.02	1184	577	1382
26	11	15	27	12	15	784.7	246.23	5.77	1177	575	1379
26	12	14	25	11	14	740.5	252.26	5.20	1185	577	1389
26	12	14	26	13	14	762.2	252.26	4.23	1180	574	1385
26	12	14	27	13	14	784.7	252.26	5.93	1173	572	1381
26	13	13	25	12	13	740.5	257.85	5.35	1178	574	1390
26	13	13	26	14	13	762.2	257.85	3.53	1172	572	1386
26	13	13	27	14	13	784.7	257.85	6.06	1165	570	1381
26	14	12	25	13	12	740.5	263.02	5.48	1172	570	1389
26	14	12	26	15	12	762.2	263.02	2.91	1164	569	1384
26	14	12	27	15	12	784.7	263.02	6.18	1159	566	1380
26	15	11	25	14	11	740.5	267.74	5.58	1163	568	1384
26	15	11	26	16	11	762.2	267.74	2.35	1156	566	1379
26	15	11	27	16	11	784.7	267.74	6.28	1152	563	1374
26	16	10	25	15	10	740.6	272.01	5.68	1153	564	1375
26	16	10	26	17	10	762.2	272.01	1.86	1149	562	1369
26	16	10	27	17	10	784.7	272.01	6.36	1143	560	1364
26	17	9	25	16	9	740.6	275.80	5.76	1140	560	1359
26	17	9	26	18	9	762.2	275.80	1.41	1136	559	1355
26	17	9	27	18	9	784.6	275.80	6.44	1129	555	1348
26	18	8	25	17	8	740.7	279.05	5.83	1123	555	1334
26	18	8	26	19	8	762.3	279.05	1.00	1120	554	1335
26	18	8	27	19	8	784.5	279.05	6.50	1104	550	1321
26	19	7	25	18	7	740.8	281.56	5.92	1086	549	1288
26	19	7	26	20	7	762.7	281.56	0.60	1097	550	1308
26	19	7	27	20	7	784.4	281.56	6.60	1069	543	1269
26	20	6	25	19	6	740.9	283.32	6.01	1069	545	1259
26	20	6	26	21	6	763.7	283.32	0.36	1096	548	1308
26	20	6	27	21	6	784.4	283.32	6.65	1061	541	1258
27	1	27	27	0	27	762.2	163.22	23.61	1247	600	1404
27	1	27	28	2	27	785.6	163.22	0.91	1235	598	1383
27	2	26	26	1	26	739.6	174.36	0.80	1248	601	1406
27	2	26	27	1	26	762.2	174.36	20.75	1239	599	1383
27	2	26	28	3	26	785.6	174.36	1.69	1225	597	1367
27	3	25	26	2	25	739.6	185.06	1.50	1237	599	1387
27	3	25	27	2	25	762.2	185.06	18.22	1226	597	1369
27	3	25	28	4	25	785.6	185.06	2.36	1213	595	1354
27	4	24	26	3	24	739.6	195.34	2.10	1229	597	1374
27	4	24	27	3	24	762.2	195.34	15.98	1215	595	1358
27	4	24	28	5	24	785.6	195.34	2.93	1203	592	1345

27	5	23	26	4	23	739.6	205.20	2.61	1218	595	1365
27	5	23	27	4	23	762.2	205.20	13.99	1205	593	1350
27	5	23	28	6	23	785.6	205.20	3.43	1195	591	1340
27	6	22	26	5	22	739.6	214.63	3.06	1209	593	1359
27	6	22	27	5	22	762.2	214.63	12.23	1197	590	1348
27	6	22	28	7	22	785.6	214.63	3.86	1191	588	1339
27	7	21	26	6	21	739.6	223.64	3.44	1202	591	1356
27	7	21	27	6	21	762.2	223.64	10.66	1196	588	1346
27	7	21	28	8	21	785.6	223.64	4.23	1187	586	1339
27	8	20	26	7	20	739.6	232.23	3.78	1199	588	1356
27	8	20	27	7	20	762.2	232.23	9.27	1191	586	1347
27	8	20	28	9	20	785.6	232.23	4.54	1181	584	1342
27	9	19	26	8	19	739.6	240.38	4.06	1196	586	1358
27	9	19	27	8	19	762.2	240.38	8.04	1186	584	1352
27	9	19	28	10	19	785.6	240.38	4.81	1178	581	1347
27	10	18	26	9	18	739.7	248.12	4.31	1190	584	1363
27	10	18	27	9	18	762.2	248.12	6.94	1180	582	1357
27	10	18	28	11	18	785.6	248.12	5.04	1175	579	1353
27	11	17	26	10	17	739.7	255.42	4.52	1185	580	1367
27	11	17	27	10	17	762.2	255.42	5.97	1178	578	1362
27	11	17	28	12	17	785.6	255.42	5.24	1172	576	1360
27	12	16	26	11	16	739.7	262.30	4.70	1181	578	1373
27	12	16	27	11	16	762.2	262.30	5.10	1177	575	1369
27	12	16	28	13	16	785.6	262.30	5.40	1169	573	1365
27	13	15	26	12	15	739.7	268.76	4.85	1177	575	1379
27	13	15	27	12	15	762.2	268.76	4.33	1171	573	1373
27	13	15	28	14	15	785.6	268.76	5.55	1164	571	1369
27	14	14	26	13	14	739.7	274.78	4.99	1173	572	1381
27	14	14	27	13	14	762.2	274.78	3.65	1165	571	1377
27	14	14	28	15	14	785.5	274.78	5.67	1160	568	1373
27	15	13	26	14	13	739.7	280.37	5.10	1165	570	1381
27	15	13	27	14	13	762.2	280.37	3.04	1158	568	1377
27	15	13	28	16	13	785.5	280.37	5.77	1155	566	1374
27	16	12	26	15	12	739.7	285.52	5.20	1159	567	1380
27	16	12	27	15	12	762.2	285.52	2.50	1154	564	1375
27	16	12	28	17	12	785.5	285.52	5.86	1150	562	1372
27	17	11	26	16	11	739.7	290.22	5.28	1153	563	1375
27	17	11	27	16	11	762.2	290.22	2.02	1149	561	1370
27	17	11	28	18	11	785.5	290.22	5.93	1143	559	1368
27	18	10	26	17	10	739.7	294.47	5.35	1144	560	1365
27	18	10	27	17	10	762.2	294.47	1.59	1138	558	1360
27	18	10	28	19	10	785.5	294.47	6.00	1131	556	1358
27	19	9	26	18	9	739.8	298.24	5.42	1130	557	1353
27	19	9	27	18	9	762.2	298.24	1.20	1123	554	1346
27	19	9	28	20	9	785.4	298.24	6.05	1117	552	1347
27	20	8	26	19	8	739.8	301.55	5.47	1120	554	1339
27	20	8	27	19	8	762.1	301.55	0.82	1103	550	1325
27	20	8	28	21	8	785.4	301.55	6.10	1109	549	1334
28	0	28	28	1	28	762.2	175.08	23.15	1238	598	1380
28	0	28	29	1	28	786.4	175.08	0.86	1222	596	1362
28	1	27	27	0	27	738.8	186.63	0.76	1235	598	1383
28	1	27	28	2	27	762.2	186.63	20.36	1223	597	1363
28	1	27	29	2	27	786.4	186.63	1.59	1209	595	1347
28	2	26	27	1	26	738.8	197.76	1.41	1225	597	1367

28	2	26	28	3	26	762.2	197.76	17.89	1210	595	1350
28	2	26	29	3	26	786.4	197.76	2.22	1198	592	1336
28	3	25	27	2	25	738.8	208.47	1.97	1213	595	1354
28	3	25	28	4	25	762.2	208.47	15.71	1200	593	1338
28	3	25	29	4	25	786.4	208.47	2.77	1191	590	1327
28	4	24	27	3	24	738.8	218.75	2.45	1203	592	1345
28	4	24	28	5	24	762.2	218.75	13.78	1191	590	1332
28	4	24	29	5	24	786.4	218.75	3.23	1187	588	1323
28	5	23	27	4	23	738.8	228.60	2.87	1195	591	1340
28	5	23	28	6	23	762.2	228.60	12.06	1189	588	1330
28	5	23	29	6	23	786.4	228.60	3.63	1179	586	1322
28	6	22	27	5	22	738.8	238.03	3.22	1191	588	1339
28	6	22	28	7	22	762.2	238.03	10.54	1182	586	1329
28	6	22	29	7	22	786.4	238.03	3.97	1171	584	1323
28	7	21	27	6	21	738.8	247.03	3.53	1187	586	1339
28	7	21	28	8	21	762.2	247.03	9.19	1176	584	1332
28	7	21	29	8	21	786.4	247.03	4.26	1168	581	1326
28	8	20	27	7	20	738.8	255.61	3.79	1181	584	1342
28	8	20	28	9	20	762.2	255.61	7.99	1171	582	1336
28	8	20	29	9	20	786.4	255.61	4.50	1166	579	1331
28	9	19	27	8	19	738.8	263.77	4.02	1178	581	1347
28	9	19	28	10	19	762.2	263.77	6.93	1171	578	1341
28	9	19	29	10	19	786.4	263.77	4.71	1164	576	1337
28	10	18	27	9	18	738.8	271.50	4.21	1175	579	1353
28	10	18	28	11	18	762.2	271.50	5.98	1170	576	1348
28	10	18	29	11	18	786.4	271.50	4.89	1163	574	1344
28	11	17	27	10	17	738.8	278.80	4.38	1172	576	1360
28	11	17	28	12	17	762.2	278.80	5.14	1166	574	1355
28	11	17	29	12	17	786.4	278.80	5.04	1159	572	1351
28	12	16	27	11	16	738.8	285.67	4.52	1169	573	1365
28	12	16	28	13	16	762.2	285.67	4.39	1162	572	1362
28	12	16	29	13	16	786.4	285.67	5.17	1157	569	1358
28	13	15	27	12	15	738.8	292.11	4.64	1164	571	1369
28	13	15	28	14	15	762.2	292.11	3.73	1157	569	1365
28	13	15	29	14	15	786.4	292.11	5.28	1154	567	1362
28	14	14	27	13	14	738.9	298.13	4.74	1160	568	1373
28	14	14	28	15	14	762.2	298.13	3.14	1155	566	1369
28	14	14	29	15	14	786.4	298.13	5.37	1151	564	1366
28	15	13	27	14	13	738.9	303.70	4.82	1155	566	1374
28	15	13	28	16	13	762.2	303.70	2.61	1152	563	1371
28	15	13	29	16	13	786.4	303.70	5.45	1147	561	1369
28	16	12	27	15	12	738.9	308.84	4.90	1149	562	1372
28	16	12	28	17	12	762.2	308.84	2.14	1145	560	1370
28	16	12	29	17	12	786.3	308.84	5.51	1140	558	1367
28	17	11	27	16	11	738.9	313.53	4.96	1142	559	1367
28	17	11	28	18	11	762.2	313.53	1.72	1136	557	1365
28	17	11	29	18	11	786.3	313.53	5.57	1131	555	1362
28	18	10	27	17	10	738.9	317.75	5.02	1130	555	1357
28	18	10	28	19	10	762.2	317.75	1.35	1123	553	1355
28	18	10	29	19	10	786.3	317.75	5.62	1117	550	1352
28	19	9	27	18	9	739.0	321.46	5.06	1114	551	1340
28	19	9	28	20	9	762.2	321.46	1.00	1108	549	1340
28	19	9	29	20	9	786.2	321.46	5.66	1100	546	1333
28	20	8	27	19	8	739.1	324.53	5.11	1086	546	1306

28	20	8	28	21	8	762.4	324.53	0.67	1091	545	1314
28	20	8	29	21	8	786.1	324.53	5.71	1071	540	1290
29	1	29	29	0	29	762.2	187.35	22.62	1222	597	1361
29	1	29	30	2	29	787.3	187.35	0.81	1207	594	1343
29	2	28	28	1	28	738.0	199.33	0.71	1222	596	1362
29	2	28	29	1	28	762.2	199.33	19.90	1207	594	1344
29	2	28	30	3	28	787.3	199.33	1.50	1193	592	1329
29	3	27	28	2	27	738.0	210.88	1.32	1209	595	1347
29	3	27	29	2	27	762.2	210.88	17.51	1195	593	1331
29	3	27	30	4	27	787.3	210.88	2.10	1185	590	1319
29	4	26	28	3	26	738.0	222.00	1.85	1198	592	1336
29	4	26	29	3	26	762.2	222.00	15.38	1185	589	1321
29	4	26	30	5	26	787.3	222.00	2.60	1180	587	1311
29	5	25	28	4	25	738.0	232.71	2.30	1191	590	1327
29	5	25	29	4	25	762.2	232.71	13.51	1184	587	1317
29	5	25	30	6	25	787.3	232.71	3.03	1171	585	1308
29	6	24	28	5	24	738.0	242.98	2.68	1187	588	1323
29	6	24	29	5	24	762.2	242.98	11.84	1175	585	1313
29	6	24	30	7	24	787.3	242.98	3.40	1166	583	1307
29	7	23	28	6	23	738.0	252.83	3.01	1179	586	1322
29	7	23	29	6	23	762.2	252.83	10.37	1167	584	1314
29	7	23	30	8	23	787.3	252.83	3.72	1159	581	1307
29	8	22	28	7	22	738.0	262.26	3.29	1171	584	1323
29	8	22	29	7	22	762.2	262.26	9.06	1160	582	1317
29	8	22	30	9	22	787.3	262.26	3.98	1155	579	1311
29	9	21	28	8	21	738.0	271.26	3.54	1168	581	1326
29	9	21	29	8	21	762.2	271.26	7.90	1161	578	1320
29	9	21	30	10	21	787.3	271.26	4.21	1154	576	1314
29	10	20	28	9	20	738.0	279.83	3.74	1166	579	1331
29	10	20	29	9	20	762.2	279.83	6.87	1162	576	1325
29	10	20	30	11	20	787.2	279.83	4.40	1153	574	1320
29	11	19	28	10	19	738.0	287.98	3.92	1164	576	1337
29	11	19	29	10	19	762.2	287.98	5.95	1168	574	1332
29	11	19	30	12	19	787.2	287.98	4.56	1150	573	1328
29	12	18	28	11	18	738.0	295.70	4.06	1163	574	1344
29	12	18	29	11	18	762.2	295.70	5.14	1155	572	1339
29	12	18	30	13	18	787.2	295.70	4.70	1150	570	1336
29	13	17	28	12	17	738.0	303.00	4.19	1159	572	1351
29	13	17	29	12	17	762.2	303.00	4.41	1152	570	1348
29	13	17	30	14	17	787.2	303.00	4.81	1149	568	1345
29	14	16	28	13	16	738.0	309.87	4.30	1157	569	1358
29	14	16	29	13	16	762.2	309.87	3.77	1152	567	1354
29	14	16	30	15	16	787.2	309.87	4.91	1148	565	1352
29	15	15	28	14	15	738.0	316.30	4.39	1154	567	1362
29	15	15	29	14	15	762.2	316.30	3.20	1152	565	1359
29	15	15	30	16	15	787.2	316.30	4.99	1147	563	1358
29	16	14	28	15	14	738.0	322.30	4.46	1151	564	1367
29	16	14	29	15	14	762.2	322.30	2.69	1147	562	1364
29	16	14	30	17	14	787.2	322.30	5.05	1143	560	1363
29	17	13	28	16	13	738.0	327.87	4.53	1147	562	1369
29	17	13	29	16	13	762.2	327.87	2.23	1142	560	1366
29	17	13	30	18	13	787.2	327.87	5.11	1138	557	1366
29	18	12	28	17	12	738.1	332.99	4.58	1140	559	1368
29	18	12	29	17	12	762.2	332.99	1.83	1133	557	1366

29	18	12	30	19	12	787.2	332.99	5.16	1131	554	1365
29	19	11	28	18	11	738.1	337.65	4.63	1131	555	1363
29	19	11	29	18	11	762.2	337.65	1.47	1126	552	1360
29	19	11	30	20	11	787.1	337.65	5.19	1122	550	1359
29	20	10	28	19	10	738.1	341.85	4.67	1119	551	1354
29	20	10	29	19	10	762.2	341.85	1.14	1113	548	1351
29	20	10	30	21	10	787.1	341.85	5.23	1109	547	1350
30	0	30	30	1	30	762.2	200.03	22.03	1206	594	1342
30	0	30	31	1	30	788.1	200.03	0.76	1191	592	1326
30	1	29	29	0	29	737.1	212.43	0.67	1207	594	1343
30	1	29	30	2	29	762.2	212.43	19.39	1192	592	1325
30	1	29	31	2	29	788.1	212.43	1.41	1181	589	1312
30	2	28	29	1	28	737.1	224.40	1.24	1193	592	1329
30	2	28	30	3	28	762.2	224.40	17.07	1180	589	1314
30	2	28	31	3	28	788.1	224.40	1.97	1174	586	1303
30	3	27	29	2	27	737.1	235.95	1.73	1185	590	1319
30	3	27	30	4	27	762.2	235.95	15.01	1176	587	1306
30	3	27	31	4	27	788.1	235.95	2.44	1163	584	1298
30	4	26	29	3	26	737.1	247.08	2.15	1180	587	1311
30	4	26	30	5	26	762.2	247.08	13.19	1166	585	1302
30	4	26	31	5	26	788.1	247.08	2.84	1156	583	1293
30	5	25	29	4	25	737.1	257.77	2.50	1171	585	1308
30	5	25	30	6	25	762.2	257.77	11.58	1158	583	1299
30	5	25	31	6	25	788.1	257.77	3.19	1152	580	1290
30	6	24	29	5	24	737.1	268.05	2.81	1166	583	1307
30	6	24	30	7	24	762.2	268.05	10.15	1157	582	1298
30	6	24	31	7	24	788.1	268.05	3.47	1149	578	1290
30	7	23	29	6	23	737.1	277.89	3.07	1159	581	1307
30	7	23	30	8	23	762.2	277.89	8.89	1151	578	1299
30	7	23	31	8	23	788.1	277.89	3.72	1144	576	1292
30	8	22	29	7	22	737.1	287.32	3.29	1155	579	1311
30	8	22	30	9	22	762.2	287.32	7.77	1150	576	1303
30	8	22	31	9	22	788.1	287.32	3.92	1142	574	1297
30	9	21	29	8	21	737.1	296.31	3.47	1154	576	1314
30	9	21	30	10	21	762.2	296.31	6.77	1147	574	1308
30	9	21	31	10	21	788.1	296.31	4.10	1139	572	1304
30	10	20	29	9	20	737.2	304.88	3.63	1153	574	1320
30	10	20	30	11	20	762.2	304.88	5.89	1145	572	1315
30	10	20	31	11	20	788.1	304.88	4.24	1140	570	1311
30	11	19	29	10	19	737.2	313.03	3.76	1150	573	1328
30	11	19	30	12	19	762.2	313.03	5.10	1143	571	1323
30	11	19	31	12	19	788.1	313.03	4.36	1141	568	1321
30	12	18	29	11	18	737.2	320.74	3.88	1150	570	1336
30	12	18	30	13	18	762.2	320.74	4.40	1145	567	1333
30	12	18	31	13	18	788.1	320.74	4.46	1141	566	1331
30	13	17	29	12	17	737.2	328.03	3.97	1149	568	1345
30	13	17	30	14	17	762.2	328.03	3.78	1147	565	1342
30	13	17	31	14	17	788.1	328.03	4.55	1141	564	1340
30	14	16	29	13	16	737.2	334.89	4.05	1148	565	1352
30	14	16	30	15	16	762.2	334.89	3.23	1144	564	1350
30	14	16	31	15	16	788.1	334.89	4.62	1140	562	1350
30	15	15	29	14	15	737.2	341.32	4.12	1146	563	1358
30	15	15	30	16	15	762.2	341.32	2.73	1141	561	1357
30	15	15	31	16	15	788.0	341.32	4.67	1138	559	1357

30	16	14	29	15	14	737.2	347.31	4.17	1143	560	1363
30	16	14	30	17	14	762.2	347.31	2.30	1137	558	1362
30	16	14	31	17	14	788.0	347.31	4.72	1134	556	1362
30	17	13	29	16	13	737.2	352.86	4.22	1138	557	1365
30	17	13	30	18	13	762.2	352.86	1.91	1134	554	1365
30	17	13	31	18	13	788.0	352.86	4.76	1130	553	1364
30	18	12	29	17	12	737.2	357.96	4.26	1131	554	1364
30	18	12	30	19	12	762.2	357.96	1.56	1128	551	1363
30	18	12	31	19	12	788.0	357.96	4.79	1123	550	1363
30	19	11	29	18	11	737.3	362.60	4.29	1121	550	1358
30	19	11	30	20	11	762.2	362.60	1.24	1117	549	1357
30	19	11	31	20	11	788.0	362.60	4.81	1111	546	1356
30	20	10	29	19	10	737.3	366.75	4.32	1107	546	1347
30	20	10	30	21	10	762.2	366.75	0.96	1104	545	1346
30	20	10	31	21	10	787.9	366.75	4.84	1098	542	1342
31	1	31	31	0	31	762.2	213.12	21.39	1191	592	1324
31	1	31	32	2	31	789.0	213.12	0.72	1181	590	1309
31	2	30	30	1	30	736.3	225.94	0.63	1191	592	1326
31	2	30	31	1	30	762.2	225.94	18.83	1179	590	1309
31	2	30	32	3	30	788.9	225.94	1.33	1171	587	1297
31	3	29	30	2	29	736.3	238.34	1.16	1181	589	1312
31	3	29	31	2	29	762.2	238.34	16.58	1172	586	1299
31	3	29	32	4	29	788.9	238.34	1.85	1158	584	1290
31	4	28	30	3	28	736.3	250.32	1.61	1174	586	1303
31	4	28	31	3	28	762.2	250.32	14.59	1160	584	1293
31	4	28	32	5	28	788.9	250.32	2.29	1149	582	1281
31	5	27	30	4	27	736.3	261.86	2.00	1163	584	1298
31	5	27	31	4	27	762.2	261.86	12.83	1149	582	1286
31	5	27	32	6	27	788.9	261.86	2.66	1142	579	1275
31	6	26	30	5	26	736.3	272.98	2.33	1156	583	1293
31	6	26	31	5	26	762.2	272.98	11.27	1147	581	1281
31	6	26	32	7	26	788.9	272.98	2.97	1138	577	1272
31	7	25	30	6	25	736.3	283.68	2.61	1152	580	1290
31	7	25	31	6	25	762.2	283.68	9.90	1147	577	1280
31	7	25	32	8	25	788.9	283.68	3.24	1136	575	1273
31	8	24	30	7	24	736.3	293.94	2.85	1149	578	1290
31	8	24	31	7	24	762.2	293.94	8.68	1141	575	1281
31	8	24	32	9	24	788.9	293.94	3.46	1132	573	1275
31	9	23	30	8	23	736.3	303.79	3.05	1144	576	1292
31	9	23	31	8	23	762.2	303.79	7.60	1137	574	1286
31	9	23	32	10	23	788.9	303.79	3.65	1129	572	1281
31	10	22	30	9	22	736.3	313.20	3.22	1142	574	1297
31	10	22	31	9	22	762.2	313.20	6.64	1133	572	1291
31	10	22	32	11	22	788.9	313.20	3.81	1128	569	1288
31	11	21	30	10	21	736.3	322.20	3.36	1139	572	1304
31	11	21	31	10	21	762.2	322.20	5.79	1132	570	1299
31	11	21	32	12	21	788.9	322.20	3.94	1129	568	1296
31	12	20	30	11	20	736.3	330.76	3.48	1140	570	1311
31	12	20	31	11	20	762.2	330.76	5.03	1135	567	1308
31	12	20	32	13	20	788.9	330.76	4.04	1131	566	1306
31	13	19	30	12	19	736.3	338.90	3.58	1141	568	1321
31	13	19	31	12	19	762.2	338.90	4.36	1138	566	1318
31	13	19	32	14	19	788.9	338.90	4.13	1133	564	1317
31	14	18	30	13	18	736.3	346.61	3.66	1141	566	1331

31	14	18	31	13	18	762.2	346.61	3.76	1138	564	1330
31	14	18	32	15	18	788.9	346.61	4.20	1133	563	1329
31	15	17	30	14	17	736.3	353.89	3.73	1141	564	1340
31	15	17	31	14	17	762.2	353.89	3.23	1136	562	1339
31	15	17	32	16	17	788.9	353.89	4.26	1134	560	1339
31	16	16	30	15	16	736.3	360.74	3.79	1140	562	1350
31	16	16	31	15	16	762.2	360.74	2.75	1134	560	1349
31	16	16	32	17	16	788.9	360.74	4.31	1133	558	1349
31	17	15	30	16	15	736.4	367.16	3.83	1138	559	1357
31	17	15	31	16	15	762.2	367.16	2.33	1134	557	1356
31	17	15	32	18	15	788.9	367.16	4.35	1130	555	1356
31	18	14	30	17	14	736.4	373.13	3.87	1135	556	1362
31	18	14	31	17	14	762.2	373.13	1.96	1132	553	1362
31	18	14	32	19	14	788.9	373.13	4.38	1127	552	1362
31	19	13	30	18	13	736.4	378.67	3.90	1130	553	1364
31	19	13	31	18	13	762.2	378.67	1.62	1126	551	1364
31	19	13	32	20	13	788.8	378.67	4.40	1123	549	1364
31	20	12	30	19	12	736.4	383.75	3.93	1123	550	1363
31	20	12	31	19	12	762.2	383.75	1.32	1117	548	1363
31	20	12	32	21	12	788.8	383.75	4.42	1114	547	1363
32	0	32	32	1	32	762.2	226.62	20.71	1181	590	1308
32	0	32	33	1	32	789.8	226.62	0.67	1168	586	1295
32	1	31	31	0	31	735.4	239.87	0.58	1181	590	1309
32	1	31	32	2	31	762.2	239.87	18.23	1169	587	1294
32	1	31	33	2	31	789.8	239.87	1.25	1154	584	1284
32	2	30	31	1	30	735.5	252.69	1.08	1171	587	1297
32	2	30	32	3	30	762.2	252.69	16.05	1155	583	1286
32	2	30	33	3	30	789.8	252.69	1.73	1144	581	1273
32	3	29	31	2	29	735.5	265.09	1.50	1158	584	1290
32	3	29	32	4	29	762.2	265.09	14.13	1143	581	1276
32	3	29	33	4	29	789.8	265.09	2.14	1137	578	1264
32	4	28	31	3	28	735.5	277.06	1.86	1149	582	1281
32	4	28	32	5	28	762.2	277.06	12.43	1139	580	1268
32	4	28	33	5	28	789.8	277.06	2.48	1130	576	1259
32	5	27	31	4	27	735.5	288.60	2.17	1142	579	1275
32	5	27	32	6	27	762.2	288.60	10.93	1136	576	1264
32	5	27	33	6	27	789.8	288.60	2.77	1125	574	1257
32	6	26	31	5	26	735.5	299.72	2.42	1138	577	1272
32	6	26	32	7	26	762.2	299.72	9.61	1130	574	1263
32	6	26	33	7	26	789.8	299.72	3.01	1120	572	1257
32	7	25	31	6	25	735.5	310.41	2.64	1136	575	1273
32	7	25	32	8	25	762.2	310.41	8.43	1126	573	1265
32	7	25	33	8	25	789.8	310.41	3.22	1120	571	1260
32	8	24	31	7	24	735.5	320.67	2.82	1132	573	1275
32	8	24	32	9	24	762.2	320.67	7.39	1123	571	1269
32	8	24	33	9	24	789.8	320.67	3.39	1118	568	1265
32	9	23	31	8	23	735.5	330.51	2.97	1129	572	1281
32	9	23	32	10	23	762.2	330.51	6.47	1121	569	1276
32	9	23	33	10	23	789.8	330.51	3.53	1118	567	1272
32	10	22	31	9	22	735.5	339.92	3.10	1128	569	1288
32	10	22	32	11	22	762.2	339.92	5.65	1123	567	1284
32	10	22	33	11	22	789.7	339.92	3.64	1119	565	1281
32	11	21	31	10	21	735.5	348.91	3.21	1129	568	1296
32	11	21	32	12	21	762.2	348.91	4.93	1127	565	1292

32	11	21	33	12	21	789.7	348.91	3.74	1121	564	1291
32	12	20	31	11	20	735.5	357.47	3.29	1131	566	1306
32	12	20	32	13	20	762.2	357.47	4.28	1127	564	1304
32	12	20	33	13	20	789.7	357.47	3.81	1123	563	1303
32	13	19	31	12	19	735.5	365.60	3.36	1133	564	1317
32	13	19	32	14	19	762.2	365.60	3.71	1128	563	1315
32	13	19	33	14	19	789.7	365.60	3.87	1125	561	1316
32	14	18	31	13	18	735.5	373.30	3.42	1133	563	1329
32	14	18	32	15	18	762.2	373.30	3.20	1128	561	1329
32	14	18	33	15	18	789.7	373.30	3.92	1126	559	1329
32	15	17	31	14	17	735.5	380.58	3.47	1134	560	1339
32	15	17	32	16	17	762.2	380.58	2.75	1130	558	1339
32	15	17	33	16	17	789.7	380.58	3.96	1126	556	1339
32	16	16	31	15	16	735.5	387.42	3.51	1133	558	1349
32	16	16	32	17	16	762.2	387.42	2.34	1131	556	1348
32	16	16	33	17	16	789.7	387.42	3.99	1126	554	1349
32	17	15	31	16	15	735.5	393.82	3.54	1130	555	1356
32	17	15	32	18	15	762.2	393.82	1.98	1127	553	1356
32	17	15	33	18	15	789.7	393.82	4.01	1123	551	1357
32	18	14	31	17	14	735.5	399.78	3.57	1127	552	1362
32	18	14	32	19	14	762.2	399.78	1.66	1122	550	1362
32	18	14	33	19	14	789.7	399.78	4.03	1120	549	1363
32	19	13	31	18	13	735.6	405.30	3.59	1123	549	1364
32	19	13	32	20	13	762.2	405.30	1.37	1119	548	1364
32	19	13	33	20	13	789.7	405.30	4.05	1116	546	1365
32	20	12	31	19	12	735.6	410.36	3.60	1114	547	1362
32	20	12	32	21	12	762.2	410.36	1.12	1111	545	1363
32	20	12	33	21	12	789.6	410.36	4.06	1107	543	1362
33	1	33	33	0	33	762.2	240.53	19.98	1167	587	1294
33	1	33	34	2	33	790.6	240.53	0.63	1151	584	1282
33	2	32	32	1	32	734.6	254.21	0.55	1168	586	1295
33	2	32	33	1	32	762.2	254.21	17.59	1152	583	1282
33	2	32	34	3	32	790.6	254.21	1.16	1140	580	1268
33	3	31	32	2	31	734.6	267.46	1.01	1154	584	1284
33	3	31	33	2	31	762.2	267.46	15.49	1138	581	1269
33	3	31	34	4	31	790.6	267.46	1.61	1131	578	1257
33	4	30	32	3	30	734.6	280.27	1.40	1144	581	1273
33	4	30	33	3	30	762.2	280.27	13.64	1133	579	1259
33	4	30	34	5	30	790.6	280.27	1.99	1124	575	1248
33	5	29	32	4	29	734.6	292.67	1.73	1137	578	1264
33	5	29	33	4	29	762.2	292.67	12.01	1130	574	1252
33	5	29	34	6	29	790.6	292.67	2.31	1118	572	1244
33	6	28	32	5	28	734.6	304.63	2.01	1130	576	1259
33	6	28	33	5	28	762.2	304.63	10.56	1121	573	1249
33	6	28	34	7	28	790.6	304.63	2.58	1111	570	1242
33	7	27	32	6	27	734.6	316.17	2.24	1125	574	1257
33	7	27	33	6	27	762.2	316.17	9.29	1114	572	1249
33	7	27	34	8	27	790.6	316.17	2.80	1108	569	1243
33	8	26	32	7	26	734.6	327.28	2.44	1120	572	1257
33	8	26	33	7	26	762.2	327.28	8.16	1111	570	1250
33	8	26	34	9	26	790.6	327.28	2.98	1107	567	1245
33	9	25	32	8	25	734.6	337.97	2.60	1120	571	1260
33	9	25	33	8	25	762.2	337.97	7.17	1114	568	1255
33	9	25	34	10	25	790.6	337.97	3.13	1108	566	1251

33	10	24	32	9	24	734.6	348.23	2.74	1118	568	1265
33	10	24	33	9	24	762.2	348.23	6.28	1113	566	1261
33	10	24	34	11	24	790.6	348.23	3.26	1108	564	1258
33	11	23	32	10	23	734.6	358.06	2.85	1118	567	1272
33	11	23	33	10	23	762.2	358.06	5.50	1115	564	1269
33	11	23	34	12	23	790.6	358.06	3.36	1110	563	1267
33	12	22	32	11	22	734.7	367.47	2.95	1119	565	1281
33	12	22	33	11	22	762.2	367.47	4.80	1115	563	1279
33	12	22	34	13	22	790.6	367.47	3.44	1110	562	1278
33	13	21	32	12	21	734.7	376.45	3.02	1121	564	1291
33	13	21	33	12	21	762.2	376.45	4.19	1116	562	1290
33	13	21	34	14	21	790.6	376.45	3.51	1114	560	1290
33	14	20	32	13	20	734.7	385.00	3.09	1123	563	1303
33	14	20	33	13	20	762.2	385.00	3.64	1119	561	1303
33	14	20	34	15	20	790.6	385.00	3.56	1117	559	1303
33	15	19	32	14	19	734.7	393.13	3.14	1126	561	1316
33	15	19	33	14	19	762.2	393.13	3.15	1121	559	1316
33	15	19	34	16	19	790.6	393.13	3.60	1118	557	1316
33	16	18	32	15	18	734.7	400.82	3.18	1126	559	1329
33	16	18	33	15	18	762.2	400.82	2.71	1124	557	1329
33	16	18	34	17	18	790.5	400.82	3.63	1120	555	1329
33	17	17	32	16	17	734.7	408.09	3.21	1126	556	1339
33	17	17	33	16	17	762.2	408.09	2.33	1123	554	1340
33	17	17	34	18	17	790.5	408.09	3.66	1120	553	1341
33	18	16	32	17	16	734.7	414.92	3.23	1126	554	1349
33	18	16	33	17	16	762.2	414.92	1.98	1121	552	1349
33	18	16	34	19	16	790.5	414.92	3.67	1119	550	1351
33	19	15	32	18	15	734.7	421.31	3.25	1123	551	1357
33	19	15	33	18	15	762.2	421.31	1.68	1120	550	1358
33	19	15	34	20	15	790.5	421.31	3.68	1117	548	1360
33	20	14	32	19	14	734.7	427.26	3.27	1120	549	1363
33	20	14	33	19	14	762.2	427.26	1.40	1118	547	1364
33	20	14	34	21	14	790.5	427.26	3.69	1114	546	1365
34	0	34	34	1	34	762.2	254.86	19.23	1150	582	1280
34	0	34	35	1	34	791.5	254.86	0.59	1138	580	1265
34	1	33	33	0	33	733.8	268.96	0.51	1151	584	1282
34	1	33	34	2	33	762.2	268.96	16.93	1134	580	1266
34	1	33	35	2	33	791.5	268.96	1.09	1127	577	1252
34	2	32	33	1	32	733.8	282.63	0.94	1140	580	1268
34	2	32	34	3	32	762.2	282.63	14.90	1129	578	1253
34	2	32	35	3	32	791.5	282.63	1.51	1118	575	1242
34	3	31	33	2	31	733.8	295.87	1.30	1131	578	1257
34	3	31	34	4	31	762.2	295.87	13.12	1123	575	1244
34	3	31	35	4	31	791.4	295.87	1.86	1111	572	1235
34	4	30	33	3	30	733.8	308.69	1.60	1124	575	1248
34	4	30	34	5	30	762.2	308.69	11.55	1114	572	1237
34	4	30	35	5	30	791.4	308.69	2.15	1103	569	1230
34	5	29	33	4	29	733.8	321.08	1.86	1118	572	1244
34	5	29	34	6	29	762.2	321.08	10.17	1107	570	1235
34	5	29	35	6	29	791.4	321.08	2.39	1100	568	1228
34	6	28	33	5	28	733.8	333.04	2.07	1111	570	1242
34	6	28	34	7	28	762.2	333.04	8.95	1101	568	1234
34	6	28	35	7	28	791.4	333.04	2.59	1097	566	1228
34	7	27	33	6	27	733.8	344.57	2.25	1108	569	1243

34	7	27	34	8	27	762.2	344.57	7.87	1101	567	1236
34	7	27	35	8	27	791.4	344.57	2.76	1096	564	1232
34	8	26	33	7	26	733.8	355.68	2.40	1107	567	1245
34	8	26	34	9	26	762.2	355.68	6.91	1104	564	1241
34	8	26	35	9	26	791.4	355.68	2.90	1097	562	1237
34	9	25	33	8	25	733.8	366.36	2.52	1108	566	1251
34	9	25	34	10	25	762.2	366.36	6.07	1103	563	1247
34	9	25	35	10	25	791.4	366.36	3.01	1097	561	1245
34	10	24	33	9	24	733.8	376.62	2.62	1108	564	1258
34	10	24	34	11	24	762.2	376.62	5.32	1104	562	1255
34	10	24	35	11	24	791.4	376.62	3.10	1100	561	1254
34	11	23	33	10	23	733.8	386.45	2.70	1110	563	1267
34	11	23	34	12	23	762.2	386.45	4.66	1105	561	1266
34	11	23	35	12	23	791.4	386.45	3.17	1101	559	1266
34	12	22	33	11	22	733.8	395.85	2.77	1110	562	1278
34	12	22	34	13	22	762.2	395.85	4.07	1105	560	1278
34	12	22	35	13	22	791.4	395.85	3.22	1103	559	1278
34	13	21	33	12	21	733.8	404.82	2.82	1114	560	1290
34	13	21	34	14	21	762.2	404.82	3.54	1110	559	1290
34	13	21	35	14	21	791.4	404.82	3.27	1106	556	1291
34	14	20	33	13	20	733.8	413.37	2.86	1117	559	1303
34	14	20	34	15	20	762.2	413.37	3.08	1115	557	1303
34	14	20	35	15	20	791.4	413.37	3.30	1110	555	1304
34	15	19	33	14	19	733.8	421.49	2.90	1118	557	1316
34	15	19	34	16	19	762.2	421.49	2.66	1115	555	1317
34	15	19	35	16	19	791.4	421.49	3.32	1112	553	1318
34	16	18	33	15	18	733.9	429.17	2.92	1120	555	1329
34	16	18	34	17	18	762.2	429.17	2.30	1115	553	1330
34	16	18	35	17	18	791.4	429.17	3.34	1113	551	1331
34	17	17	33	16	17	733.9	436.43	2.94	1120	553	1341
34	17	17	34	18	17	762.2	436.43	1.97	1116	551	1342
34	17	17	35	18	17	791.4	436.43	3.35	1114	549	1344
34	18	16	33	17	16	733.9	443.25	2.95	1119	550	1351
34	18	16	34	19	16	762.2	443.25	1.68	1117	549	1353
34	18	16	35	19	16	791.4	443.25	3.36	1114	548	1354
34	19	15	33	18	15	733.9	449.62	2.96	1117	548	1360
34	19	15	34	20	15	762.2	449.62	1.42	1115	547	1361
34	19	15	35	20	15	791.3	449.62	3.36	1112	545	1361
34	20	14	33	19	14	733.9	455.56	2.97	1114	546	1365
34	20	14	34	21	14	762.2	455.56	1.18	1111	544	1365
34	20	14	35	21	14	791.3	455.56	3.36	1108	543	1364
35	1	35	35	0	35	762.2	269.59	18.45	1133	580	1265
35	1	35	36	2	35	792.3	269.59	0.55	1125	577	1250
35	2	34	34	1	34	732.9	284.11	0.47	1138	580	1265
35	2	34	35	1	34	762.2	284.11	16.24	1126	577	1250
35	2	34	36	3	34	792.3	284.11	1.01	1115	575	1238
35	3	33	34	2	33	732.9	298.21	0.87	1127	577	1252
35	3	33	35	2	33	762.2	298.21	14.29	1119	575	1238
35	3	33	36	4	33	792.3	298.21	1.40	1106	572	1228
35	4	32	34	3	32	732.9	311.88	1.20	1118	575	1242
35	4	32	35	3	32	762.2	311.88	12.59	1108	573	1230
35	4	32	36	5	32	792.3	311.88	1.72	1097	569	1222
35	5	31	34	4	31	733.0	325.12	1.48	1111	572	1235
35	5	31	35	4	31	762.2	325.12	11.08	1099	569	1226

35	5	31	36	6	31	792.3	325.12	1.99	1092	567	1217
35	6	30	34	5	30	733.0	337.93	1.72	1103	569	1230
35	6	30	35	5	30	762.2	337.93	9.76	1093	567	1221
35	6	30	36	7	30	792.3	337.93	2.21	1089	565	1216
35	7	29	34	6	29	733.0	350.31	1.91	1100	568	1228
35	7	29	35	6	29	762.2	350.31	8.59	1093	566	1221
35	7	29	36	8	29	792.3	350.31	2.40	1087	563	1216
35	8	28	34	7	28	733.0	362.27	2.07	1097	566	1228
35	8	28	35	7	28	762.2	362.27	7.56	1094	563	1224
35	8	28	36	9	28	792.3	362.27	2.55	1086	561	1219
35	9	27	34	8	27	733.0	373.80	2.20	1096	564	1232
35	9	27	35	8	27	762.2	373.80	6.64	1090	562	1228
35	9	27	36	10	27	792.3	373.80	2.67	1086	560	1225
35	10	26	34	9	26	733.0	384.91	2.31	1097	562	1237
35	10	26	35	9	26	762.2	384.91	5.84	1090	561	1234
35	10	26	36	11	26	792.3	384.91	2.77	1085	559	1232
35	11	25	34	10	25	733.0	395.58	2.40	1097	561	1245
35	11	25	35	10	25	762.2	395.58	5.12	1092	560	1244
35	11	25	36	12	25	792.3	395.58	2.84	1088	558	1243
35	12	24	34	11	24	733.0	405.83	2.47	1100	561	1254
35	12	24	35	11	24	762.2	405.83	4.49	1094	559	1255
35	12	24	36	13	24	792.2	405.83	2.91	1092	557	1255
35	13	23	34	12	23	733.0	415.66	2.53	1101	559	1266
35	13	23	35	12	23	762.2	415.66	3.93	1097	557	1268
35	13	23	36	14	23	792.2	415.66	2.95	1094	555	1268
35	14	22	34	13	22	733.0	425.05	2.58	1103	559	1278
35	14	22	35	13	22	762.2	425.05	3.43	1101	556	1280
35	14	22	36	15	22	792.2	425.05	2.99	1096	554	1282
35	15	21	34	14	21	733.0	434.02	2.61	1106	556	1291
35	15	21	35	14	21	762.2	434.02	2.99	1103	554	1293
35	15	21	36	16	21	792.2	434.02	3.01	1100	553	1294
35	16	20	34	15	20	733.0	442.56	2.64	1110	566	1304
35	16	20	35	15	20	762.2	442.56	2.60	1105	552	1305
35	16	20	36	17	20	792.2	442.56	3.03	1103	551	1307
35	17	19	34	16	19	733.0	450.67	2.66	1112	553	1318
35	17	19	35	16	19	762.2	450.67	2.25	1109	552	1319
35	17	19	36	18	19	792.2	450.67	3.04	1107	550	1322
35	18	18	34	17	18	733.0	458.35	2.67	1113	551	1331
35	18	18	35	17	18	762.2	458.35	1.94	1111	550	1333
35	18	18	36	19	18	792.2	458.35	3.05	1109	549	1336
35	19	17	34	18	17	733.0	465.59	2.68	1114	549	1344
35	19	17	35	18	17	762.2	465.59	1.66	1112	548	1346
35	19	17	36	20	17	792.2	465.59	3.05	1110	547	1347
35	20	16	34	19	16	733.0	472.40	2.68	1114	548	1355
35	20	16	35	19	16	762.2	472.40	1.41	1111	546	1356
35	20	16	36	21	16	792.2	472.40	3.05	1110	545	1356