

Table 5 (To be deposited). Observed and calculated structure factors pertaining to the refinement of epididymite and eudidymite.

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EPIDIDYMITE					
#					
# h,k,l, Fc-squared, Fo-squared, sigma(Fo-squared) and status flag					
#					
data_epididymite					
_shelx_title ' Epididymite'					
_shelx_refl_list_code 4					
_shelx_F_calc_maximum 337.38					
_exptl_crystal_F_000 532.57					
_reflns_d_resolution_high 0.6122					
loop_					
_symmetry_equiv_pos_as_xyz					
'x, y, z'					
'-x, y+1/2, -z'					
'x+1/2, -y+1/2, -z+1/2'					
'-x+1/2, -y, z+1/2'					
'-x, -y, -z'					
'x, -y-1/2, z'					
'-x-1/2, y-1/2, z-1/2'					
'x-1/2, y, -z-1/2'					
_cell_length_a 12.7334					
_cell_length_b 13.6298					
_cell_length_c 7.3467					
_cell_angle_alpha 90.000					
_cell_angle_beta 90.000					
_cell_angle_gamma 90.000					
_shelx_F_squared_multiplier 1.000					
loop_					
_refln_index_h					
_refln_index_k					
_refln_index_l					
_refln_F_squared_calc					
_refln_F_squared_meas					
_refln_F_squared_sigma					
_refln_observed_status					
2	0	0	444.12	354.86	48.30 o
4	0	0	2908.97	2882.65	67.08 o
6	0	0	1742.77	1692.91	54.86 o
8	0	0	2150.02	2082.99	57.94 o
10	0	0	699.69	711.13	30.96 o
12	0	0	5592.33	5811.40	85.87 o
14	0	0	12291.47	11564.49	149.74 o
16	0	0	4947.66	4741.28	150.49 o
18	0	0	14484.04	13999.85	288.93 o

2	1	0	1635.81	1655.95	68.11 o
4	1	0	969.04	919.95	29.40 o
6	1	0	1824.32	1828.71	26.74 o
8	1	0	3208.95	3304.22	62.04 o
10	1	0	2733.39	2819.52	34.49 o
12	1	0	4628.06	4572.66	78.50 o
14	1	0	323.70	364.62	23.95 o
16	1	0	3222.62	3256.99	91.24 o
18	1	0	184.00	161.59	41.25 o
0	2	0	11365.75	10310.54	88.04 o
2	2	0	18218.14	18931.50	88.79 o
4	2	0	18072.04	18275.48	80.39 o
6	2	0	149.00	187.82	10.30 o
8	2	0	669.79	699.83	19.86 o
10	2	0	5854.90	5884.77	64.06 o
12	2	0	19006.07	19216.88	251.37 o
14	2	0	8361.48	8616.66	91.78 o
16	2	0	1301.84	1411.95	65.62 o
18	2	0	896.37	1031.56	61.73 o
2	3	0	325.63	331.64	10.66 o
4	3	0	829.69	838.14	28.58 o
6	3	0	393.89	381.78	14.16 o
8	3	0	307.42	304.44	14.42 o
10	3	0	21820.56	21028.42	315.05 o
12	3	0	2019.56	1990.71	44.16 o
14	3	0	131.81	165.60	24.69 o
16	3	0	2592.30	2608.46	121.38 o
18	3	0	321.24	428.58	65.55 o
0	4	0	13074.02	12625.60	110.07 o
2	4	0	41946.26	42356.16	181.09 o
4	4	0	2344.45	2318.46	41.23 o
6	4	0	667.15	620.61	22.42 o
8	4	0	15212.87	15335.39	106.04 o
10	4	0	4556.81	4612.48	214.73 o
12	4	0	3555.27	3554.33	69.05 o
14	4	0	835.88	785.07	44.87 o
16	4	0	22381.68	21777.74	647.78 o
18	4	0	14.64	-30.51	47.67 o
2	5	0	1.28	2.59	9.82 o
4	5	0	1039.22	1180.31	32.10 o
6	5	0	201.86	213.57	22.58 o
8	5	0	4738.19	5036.65	156.36 o
10	5	0	3600.03	3549.31	51.87 o
12	5	0	2127.58	2173.81	105.20 o
14	5	0	3627.78	3615.30	143.77 o
16	5	0	3374.14	3319.83	132.60 o
18	5	0	340.53	376.21	66.03 o
0	6	0	12179.12	11665.57	89.95 o
2	6	0	0.00	14.05	13.42 o
4	6	0	17152.05	16804.69	139.72 o
6	6	0	56577.77	57780.02	93.44 o
8	6	0	5947.41	5885.93	92.48 o
10	6	0	4837.53	4798.79	92.21 o
12	6	0	13400.22	13876.51	202.32 o

14	6	0	119.04	187.45	45.13 o
16	6	0	5347.41	4800.39	157.78 o
18	6	0	1302.33	1263.00	98.93 o
2	7	0	58.46	59.59	17.31 o
4	7	0	1309.90	1388.14	49.77 o
6	7	0	2454.84	2397.80	62.19 o
8	7	0	5631.07	5535.61	89.66 o
10	7	0	291.88	296.13	29.96 o
12	7	0	5375.13	5598.24	139.84 o
14	7	0	4727.92	4853.12	142.22 o
16	7	0	1741.39	1741.97	106.09 o
18	7	0	3.92	52.30	50.51 o
0	8	0	28355.04	28264.67	120.42 o
2	8	0	29900.87	29050.41	137.06 o
4	8	0	1659.13	1721.22	54.27 o
6	8	0	38963.21	39548.33	248.04 o
8	8	0	20664.97	21296.57	172.89 o
10	8	0	832.95	850.43	48.60 o
12	8	0	395.70	399.51	50.51 o
14	8	0	4.83	75.29	42.80 o
16	8	0	88.54	126.01	51.77 o
18	8	0	5127.30	4801.78	195.20 o
2	9	0	2256.04	2331.45	61.77 o
4	9	0	2643.68	2536.58	64.30 o
6	9	0	1513.33	1434.05	49.88 o
8	9	0	3235.71	3454.72	81.67 o
10	9	0	112.98	198.63	33.89 o
12	9	0	2510.76	2379.71	114.28 o
14	9	0	693.84	692.61	65.70 o
16	9	0	173.62	314.27	59.93 o
0	10	0	15333.76	14238.46	146.03 o
2	10	0	69.92	71.74	16.54 o
4	10	0	51494.90	52869.02	289.18 o
6	10	0	3650.28	3428.95	74.15 o
8	10	0	9969.69	9794.18	150.56 o
10	10	0	10945.99	11397.35	194.51 o
12	10	0	1092.28	1178.34	81.47 o
14	10	0	102.67	138.21	47.73 o
16	10	0	466.64	648.89	73.04 o
18	10	0	196.07	218.37	65.14 o
2	11	0	560.05	660.02	32.40 o
4	11	0	2.76	-8.63	13.88 o
6	11	0	5.88	33.84	19.71 o
8	11	0	2868.55	2928.88	97.41 o
10	11	0	2180.85	2234.09	105.48 o
12	11	0	3825.94	3740.57	133.40 o
14	11	0	7513.01	7334.60	296.35 o
16	11	0	505.67	502.22	72.66 o
0	12	0	1.82	30.99	14.60 o
2	12	0	33388.79	32195.99	237.02 o
4	12	0	1569.65	1673.52	63.46 o
6	12	0	499.97	528.42	42.81 o
8	12	0	10532.68	10425.17	189.69 o
10	12	0	767.05	924.70	72.76 o

12	12	0	823.12	801.50	69.77 o
14	12	0	984.01	1029.57	86.45 o
16	12	0	18877.59	18674.92	262.28 o
2	13	0	1805.68	1667.95	69.12 o
4	13	0	65.95	82.00	26.51 o
6	13	0	913.99	815.65	56.91 o
8	13	0	4.80	40.25	33.88 o
10	13	0	10189.93	9982.23	145.41 o
12	13	0	560.50	580.53	67.22 o
14	13	0	1794.73	1848.97	137.83 o
16	13	0	38.64	6.70	55.77 o
0	14	0	20046.54	19522.69	236.83 o
2	14	0	14926.32	14490.97	206.87 o
4	14	0	257.33	281.95	41.62 o
6	14	0	6730.72	6401.92	162.21 o
8	14	0	9454.32	9754.06	139.26 o
10	14	0	71.51	107.45	45.99 o
12	14	0	30403.67	30298.31	295.35 o
14	14	0	7466.77	7458.01	239.34 o
2	15	0	828.20	810.45	62.59 o
4	15	0	206.20	224.62	46.78 o
6	15	0	1644.50	1560.42	94.25 o
8	15	0	257.64	247.06	48.52 o
10	15	0	793.76	844.47	75.85 o
12	15	0	3379.46	3738.21	171.43 o
14	15	0	1702.01	1645.18	145.19 o
0	16	0	113825.87	117844.47	766.99 o
2	16	0	2092.09	2316.39	118.32 o
4	16	0	574.07	653.32	58.78 o
6	16	0	905.82	924.62	72.73 o
8	16	0	246.98	412.55	58.54 o
10	16	0	1278.24	1300.65	93.71 o
12	16	0	379.14	359.69	68.83 o
2	17	0	1518.18	1643.46	88.70 o
4	17	0	1705.81	1682.19	93.13 o
6	17	0	256.71	302.22	57.00 o
8	17	0	615.34	693.61	74.23 o
10	17	0	685.97	677.18	79.35 o
12	17	0	15.43	75.82	52.97 o
0	18	0	23.49	-39.86	40.05 o
2	18	0	6038.97	6101.71	179.59 o
4	18	0	28039.85	28214.11	272.36 o
6	18	0	7744.74	8005.57	151.58 o
8	18	0	15.05	1.40	45.21 o
10	18	0	9249.07	9236.01	186.79 o
2	19	0	58.02	145.19	49.41 o
4	19	0	1475.35	1364.41	125.22 o
6	19	0	130.18	78.87	50.04 o
8	19	0	300.60	242.05	61.92 o
10	19	0	5477.75	6325.16	229.81 o
0	20	0	305.28	434.83	70.61 o
2	20	0	5200.81	5219.46	207.58 o
4	20	0	981.62	857.39	92.68 o
6	20	0	2622.35	2715.81	158.16 o

8	20	0	18366.99	18899.00	386.06 o
2	21	0	153.78	142.47	57.23 o
4	21	0	1673.17	1613.69	141.89 o
1	0	1	10423.73	10621.33	268.23 o
2	0	1	163.81	149.11	18.97 o
3	0	1	1872.66	1865.02	32.72 o
4	0	1	421.62	443.24	38.12 o
5	0	1	19410.29	19590.27	140.28 o
6	0	1	1313.44	1254.25	92.98 o
7	0	1	1399.19	1416.35	69.47 o
8	0	1	9.18	18.48	10.62 o
9	0	1	148.25	171.35	14.78 o
10	0	1	15.33	30.04	10.56 o
11	0	1	111.42	142.23	14.30 o
12	0	1	4799.11	4808.60	73.86 o
13	0	1	2221.65	2244.26	63.68 o
14	0	1	7343.30	7533.21	120.93 o
15	0	1	1393.36	1546.53	116.08 o
16	0	1	11.66	55.72	41.31 o
17	0	1	3831.98	3869.75	152.89 o
18	0	1	3934.34	3934.47	164.79 o
19	0	1	1785.62	1757.76	116.25 o
0	1	1	10.63	-48.45	91.81 o
1	1	1	316.72	305.12	23.44 o
2	1	1	106.24	109.56	15.75 o
3	1	1	97.65	119.17	9.54 o
4	1	1	52.70	66.55	9.41 o
5	1	1	42.84	67.14	16.88 o
6	1	1	156.51	160.69	11.67 o
7	1	1	1366.90	1330.95	28.16 o
8	1	1	509.10	519.23	17.46 o
9	1	1	3750.43	3788.88	51.31 o
10	1	1	1828.15	1824.68	34.90 o
11	1	1	985.54	979.90	38.78 o
12	1	1	159.91	165.93	15.65 o
13	1	1	0.59	13.27	14.11 o
14	1	1	462.21	430.81	36.66 o
15	1	1	291.92	308.74	46.04 o
16	1	1	1406.43	1402.00	60.03 o
17	1	1	344.86	342.64	41.28 o
18	1	1	33.37	20.98	33.58 o
19	1	1	1722.40	1454.63	137.59 o
1	2	1	219.34	244.83	23.59 o
2	2	1	81.80	83.99	14.19 o
3	2	1	3625.04	3663.60	45.52 o
4	2	1	40.94	64.86	9.27 o
5	2	1	1662.20	1659.31	36.11 o
6	2	1	180.79	202.71	12.86 o
7	2	1	1096.58	1116.59	26.51 o
8	2	1	341.55	316.09	26.82 o
9	2	1	1731.61	1705.54	31.06 o
10	2	1	357.68	368.47	15.17 o
11	2	1	68.64	91.25	11.00 o
12	2	1	2580.24	2662.35	47.62 o

13	2	1	1395.80	1312.74	43.95 o
14	2	1	3264.19	3373.69	109.81 o
15	2	1	2448.68	2334.14	69.73 o
16	2	1	393.41	427.39	40.34 o
17	2	1	1773.56	1655.89	70.07 o
18	2	1	0.00	38.46	33.20 o
19	2	1	1137.24	1099.44	88.80 o
0	3	1	0.03	9.28	7.25 o
1	3	1	28.03	54.61	13.00 o
2	3	1	6.56	19.17	14.31 o
3	3	1	401.58	403.87	14.59 o
4	3	1	504.20	512.91	22.69 o
5	3	1	10462.48	10522.07	112.42 o
6	3	1	0.65	17.94	8.60 o
7	3	1	658.52	657.04	20.88 o
8	3	1	110.74	120.67	21.37 o
9	3	1	414.65	395.87	16.15 o
10	3	1	7529.94	7617.32	183.98 o
11	3	1	17538.09	17515.87	165.28 o
12	3	1	30.17	5.15	13.32 o
13	3	1	2845.63	2757.21	58.22 o
14	3	1	0.50	-24.33	24.33 o
15	3	1	44.03	153.91	44.64 o
16	3	1	5013.40	4933.02	155.22 o
17	3	1	279.70	146.51	51.12 o
18	3	1	2.50	-5.64	48.54 o
19	3	1	1695.22	1642.55	115.01 o
1	4	1	83.67	112.39	14.81 o
2	4	1	701.15	649.91	35.04 o
3	4	1	14430.20	14818.33	287.61 o
4	4	1	466.18	462.10	19.41 o
5	4	1	1816.66	1824.06	50.54 o
6	4	1	784.20	764.75	32.21 o
7	4	1	8833.31	8619.55	127.59 o
8	4	1	80.64	114.10	25.36 o
9	4	1	9442.29	9388.50	196.86 o
10	4	1	1407.20	1326.05	34.00 o
11	4	1	1532.57	1550.99	61.86 o
12	4	1	104.20	120.62	20.60 o
13	4	1	2.61	15.93	30.61 o
14	4	1	67.67	63.88	27.16 o
15	4	1	1993.24	2331.42	107.20 o
16	4	1	6693.56	6621.18	179.68 o
17	4	1	617.34	753.56	75.96 o
18	4	1	2453.56	2584.52	130.22 o
19	4	1	14.19	29.40	52.30 o
0	5	1	70.74	79.32	11.44 o
1	5	1	197.09	224.25	14.86 o
2	5	1	6.46	12.67	9.93 o
3	5	1	960.84	1051.86	30.43 o
4	5	1	765.84	765.06	29.70 o
5	5	1	493.64	487.00	40.00 o
6	5	1	141.46	159.08	14.29 o
7	5	1	1134.73	1143.65	32.99 o

8	5	1	1644.76	1595.93	37.10 o
9	5	1	1837.64	1828.58	86.82 o
10	5	1	0.25	2.60	10.52 o
11	5	1	422.34	461.03	25.47 o
12	5	1	1970.41	1941.16	57.34 o
13	5	1	1506.56	1452.46	87.27 o
14	5	1	57.60	108.94	28.84 o
15	5	1	1820.77	1717.03	89.92 o
16	5	1	1134.29	1140.73	83.98 o
17	5	1	4211.10	4407.40	165.82 o
18	5	1	5905.73	6263.75	206.66 o
1	6	1	537.21	552.65	30.16 o
2	6	1	2.26	22.75	14.51 o
3	6	1	8.24	26.94	15.18 o
4	6	1	297.36	294.15	24.13 o
5	6	1	183.29	269.24	23.15 o
6	6	1	1276.85	1285.38	48.19 o
7	6	1	815.06	887.26	42.68 o
8	6	1	695.79	752.20	34.93 o
9	6	1	0.27	11.13	13.45 o
11	6	1	3116.52	3173.70	91.61 o
12	6	1	176.60	171.61	35.10 o
13	6	1	1835.30	1973.99	96.54 o
14	6	1	941.47	1163.83	80.28 o
15	6	1	203.97	237.82	49.33 o
16	6	1	40.37	-11.04	42.47 o
17	6	1	290.24	334.22	62.60 o
18	6	1	2001.17	1894.51	133.43 o
0	7	1	67.65	67.50	15.81 o
1	7	1	64.81	84.13	17.02 o
2	7	1	22.44	48.49	16.29 o
3	7	1	506.50	477.42	28.84 o
4	7	1	0.52	18.12	15.38 o
5	7	1	189.58	155.60	19.78 o
6	7	1	666.54	712.80	34.30 o
7	7	1	4732.85	4360.56	80.72 o
8	7	1	1092.20	1087.37	44.25 o
9	7	1	5050.26	5241.69	92.68 o
10	7	1	154.65	118.86	25.22 o
11	7	1	102.00	80.56	28.40 o
12	7	1	1737.95	2052.93	94.20 o
13	7	1	962.35	1178.15	83.67 o
14	7	1	2574.33	2657.25	107.44 o
15	7	1	30.52	45.60	39.04 o
16	7	1	118.63	127.85	49.95 o
17	7	1	620.86	742.30	79.44 o
18	7	1	819.32	752.29	85.89 o
1	8	1	6282.80	5861.39	93.81 o
2	8	1	563.04	560.45	31.06 o
3	8	1	6573.32	6485.18	98.47 o
4	8	1	1169.47	1230.19	47.44 o
5	8	1	6838.67	7175.78	102.78 o
6	8	1	462.29	473.74	28.82 o
7	8	1	4309.24	4293.01	78.94 o

8	8	1	4215.26	3904.96	77.98 o
9	8	1	10724.38	10516.52	143.09 o
10	8	1	28.92	99.05	26.41 o
11	8	1	5168.18	5140.79	131.20 o
12	8	1	210.37	122.97	40.02 o
13	8	1	448.92	438.68	60.94 o
14	8	1	393.90	295.62	51.23 o
15	8	1	395.80	365.95	56.30 o
16	8	1	731.20	677.27	75.55 o
17	8	1	19.47	3.86	48.15 o
18	8	1	11974.71	12174.81	294.91 o
0	9	1	289.39	281.97	24.08 o
1	9	1	37.36	74.91	16.49 o
2	9	1	259.58	288.01	23.93 o
3	9	1	0.36	31.18	14.89 o
4	9	1	460.97	478.68	29.30 o
5	9	1	3660.72	3574.61	73.84 o
6	9	1	43.81	59.63	15.86 o
7	9	1	3800.98	4039.05	78.37 o
8	9	1	778.05	796.00	42.07 o
9	9	1	2764.38	2887.83	87.94 o
10	9	1	22.36	49.45	28.82 o
11	9	1	693.01	702.29	57.45 o
12	9	1	545.61	546.89	58.44 o
13	9	1	1864.01	1847.32	102.76 o
14	9	1	80.57	61.32	41.31 o
15	9	1	1658.14	1549.78	111.93 o
16	9	1	216.59	210.77	54.49 o
17	9	1	1544.87	1532.98	107.24 o
1	10	1	6.01	20.73	13.69 o
2	10	1	0.36	11.95	13.59 o
3	10	1	3129.47	3146.04	69.92 o
4	10	1	193.49	216.16	21.94 o
5	10	1	762.48	751.46	38.26 o
6	10	1	399.21	355.83	27.60 o
7	10	1	533.56	507.90	35.53 o
8	10	1	615.44	683.86	44.03 o
9	10	1	2675.50	2713.08	93.86 o
10	10	1	719.68	715.24	54.90 o
11	10	1	484.99	424.39	52.65 o
12	10	1	552.99	550.16	57.57 o
13	10	1	200.22	189.98	49.57 o
14	10	1	9.58	-35.76	35.76 o
15	10	1	474.20	634.83	72.13 o
16	10	1	11.61	16.53	48.10 o
17	10	1	76.79	62.62	53.85 o
18	10	1	1645.21	1568.51	139.56 o
0	11	1	72.92	88.27	16.97 o
1	11	1	419.73	426.43	27.27 o
2	11	1	160.27	196.50	20.83 o
3	11	1	2449.77	2423.59	60.40 o
4	11	1	63.91	77.56	17.74 o
5	11	1	2.32	52.92	18.03 o
6	11	1	187.30	190.53	27.82 o



7	11	1	2917.13	2996.38	90.93 o
8	11	1	1357.09	1386.93	75.74 o
9	11	1	1646.54	1728.07	90.26 o
10	11	1	0.18	10.84	36.05 o
12	11	1	3964.14	3944.87	132.27 o
13	11	1	2865.75	2806.95	129.74 o
14	11	1	1186.06	1243.77	88.14 o
15	11	1	686.13	648.23	75.39 o
16	11	1	141.86	133.55	53.32 o
17	11	1	1554.07	1439.00	113.19 o
1	12	1	226.39	278.24	25.80 o
2	12	1	338.04	343.45	28.27 o
3	12	1	8414.42	8360.25	126.64 o
4	12	1	704.52	709.89	42.55 o
5	12	1	638.54	651.07	43.36 o
6	12	1	566.90	545.55	43.49 o
7	12	1	5634.55	5662.56	135.47 o
8	12	1	4.83	9.50	31.38 o
9	12	1	2809.97	2716.43	116.46 o
10	12	1	934.04	841.92	70.38 o
11	12	1	69.50	140.28	44.78 o
12	12	1	44.59	-38.27	38.27 o
13	12	1	72.84	78.29	45.94 o
14	12	1	445.91	370.07	64.16 o
15	12	1	1451.80	1750.79	115.49 o
16	12	1	4918.78	5063.72	203.92 o
0	13	1	579.29	634.03	41.66 o
1	13	1	27.71	32.20	20.87 o
2	13	1	466.97	470.43	38.17 o
3	13	1	1471.23	1555.79	70.98 o
4	13	1	29.00	35.62	25.21 o
5	13	1	2410.62	2305.80	93.60 o
6	13	1	416.88	409.15	45.35 o
7	13	1	1199.05	1149.22	70.67 o
8	13	1	37.62	53.94	37.79 o
9	13	1	9.26	55.77	39.62 o
10	13	1	3380.72	3611.80	131.62 o
11	13	1	8622.57	8726.43	207.64 o
12	13	1	320.86	233.25	55.66 o
13	13	1	1536.93	1565.68	101.69 o
14	13	1	1046.72	1139.32	93.95 o
15	13	1	1073.74	980.09	94.68 o
16	13	1	1206.94	1249.40	109.00 o
1	14	1	1851.53	1960.43	85.33 o
2	14	1	0.54	10.94	26.03 o
3	14	1	858.42	901.52	58.35 o
4	14	1	1.68	-11.18	28.24 o
5	14	1	2534.52	2658.70	109.94 o
6	14	1	6.99	37.88	35.28 o
7	14	1	642.58	601.21	60.87 o
8	14	1	385.98	356.60	52.15 o
9	14	1	7294.98	6883.12	178.26 o
10	14	1	2.93	-23.52	39.67 o
11	14	1	140.70	164.36	48.94 o

12	14	1	5981.44	5633.01	193.66 o
13	14	1	3593.68	3195.43	164.56 o
14	14	1	1077.98	937.74	92.65 o
15	14	1	513.42	591.38	82.50 o
0	15	1	12.38	-19.71	31.52 o
1	15	1	56.08	-8.87	32.30 o
2	15	1	34.20	-11.28	32.05 o
3	15	1	61.42	58.91	36.20 o
4	15	1	69.09	77.32	40.16 o
5	15	1	189.34	225.67	48.99 o
6	15	1	67.17	36.30	35.58 o
7	15	1	4090.57	3885.41	135.77 o
8	15	1	32.16	23.81	39.72 o
9	15	1	816.76	917.55	76.43 o
10	15	1	559.88	520.54	66.50 o
11	15	1	1.69	-42.51	42.51 o
12	15	1	659.55	633.08	76.50 o
13	15	1	188.61	205.02	60.66 o
14	15	1	1393.77	1289.81	107.50 o
1	16	1	4838.07	4749.42	155.73 o
2	16	1	76.60	79.16	42.33 o
3	16	1	198.08	114.72	40.50 o
4	16	1	335.75	465.03	54.75 o
5	16	1	4743.23	4875.13	149.70 o
6	16	1	1132.91	1126.24	86.64 o
7	16	1	53.28	65.80	40.83 o
8	16	1	62.47	162.93	44.73 o
9	16	1	360.96	344.74	58.61 o
10	16	1	1.89	52.34	43.47 o
11	16	1	129.21	93.72	52.65 o
12	16	1	2561.13	2862.80	167.84 o
13	16	1	67.94	-25.69	47.92 o
0	17	1	170.78	229.75	45.81 o
1	17	1	38.95	62.18	40.68 o
2	17	1	826.24	806.49	68.09 o
3	17	1	1675.75	1630.68	90.95 o
4	17	1	186.57	251.17	52.46 o
5	17	1	0.24	27.47	39.04 o
6	17	1	91.14	103.36	46.04 o
7	17	1	21.40	-3.71	42.46 o
8	17	1	0.41	103.14	46.37 o
9	17	1	720.74	854.68	82.93 o
10	17	1	286.60	230.04	59.13 o
11	17	1	646.82	503.71	75.43 o
12	17	1	185.09	93.01	56.85 o
1	18	1	7.72	-26.36	37.74 o
2	18	1	189.62	167.60	49.57 o
3	18	1	5767.81	5986.04	181.62 o
4	18	1	128.40	179.49	50.38 o
5	18	1	1161.79	1235.67	89.53 o
6	18	1	219.98	185.55	50.49 o
7	18	1	1609.57	1816.95	110.07 o
8	18	1	25.74	77.02	48.59 o
9	18	1	1402.65	1419.32	103.97 o

10	18	1	790.73	808.76	86.08 o
11	18	1	77.56	189.45	60.35 o
0	19	1	10.45	-3.90	40.34 o
1	19	1	180.76	180.96	52.51 o
2	19	1	17.27	32.05	44.44 o
3	19	1	312.26	215.20	56.62 o
4	19	1	306.45	241.24	61.25 o
5	19	1	7479.78	7562.23	226.42 o
6	19	1	167.07	188.18	56.84 o
7	19	1	149.68	158.72	56.36 o
8	19	1	103.24	55.10	50.62 o
9	19	1	7.49	-22.80	48.87 o
1	20	1	495.33	445.85	68.32 o
2	20	1	376.53	318.88	61.93 o
3	20	1	847.17	991.81	97.34 o
4	20	1	165.84	168.89	62.05 o
5	20	1	567.23	534.32	80.29 o
6	20	1	913.08	906.94	93.68 o
7	20	1	4911.39	5485.21	214.13 o
0	21	1	153.44	187.60	57.71 o
1	21	1	1057.78	1085.68	94.77 o
2	21	1	144.88	184.07	58.38 o
3	21	1	551.67	521.70	74.16 o
4	21	1	1051.02	892.21	94.72 o
5	21	1	570.44	461.50	77.21 o
0	0	2	6053.58	6086.93	55.66 o
1	0	2	671.02	635.44	21.06 o
2	0	2	44.44	55.17	10.45 o
3	0	2	20.42	44.62	10.37 o
4	0	2	452.59	512.97	36.03 o
5	0	2	1390.51	1426.48	85.36 o
6	0	2	4.23	44.08	11.67 o
7	0	2	138.83	148.36	13.93 o
8	0	2	6040.50	6356.06	304.95 o
9	0	2	3758.40	3899.03	53.97 o
10	0	2	160.77	164.62	13.86 o
11	0	2	1352.17	1397.14	39.43 o
12	0	2	5655.27	5755.64	85.00 o
13	0	2	2022.59	2138.75	64.91 o
14	0	2	6553.35	6651.03	117.03 o
15	0	2	1062.18	1150.74	74.84 o
16	0	2	3221.65	3133.30	132.23 o
17	0	2	2556.40	2265.48	130.22 o
18	0	2	257.70	286.21	60.86 o
19	0	2	2373.49	1835.01	120.79 o
1	1	2	249.29	250.33	19.90 o
2	1	2	25112.76	26500.01	149.45 o
3	1	2	206.64	239.29	12.24 o
4	1	2	5966.67	5955.53	91.35 o
5	1	2	9.89	19.61	8.35 o
6	1	2	9912.98	9826.89	68.54 o
7	1	2	154.06	185.01	14.13 o
8	1	2	7177.63	7165.42	109.51 o
9	1	2	349.74	344.09	24.87 o

10	1	2	2039.62	2084.01	83.49 o
11	1	2	0.36	6.63	11.06 o
12	1	2	3387.19	3349.46	98.49 o
13	1	2	56.32	21.02	24.39 o
14	1	2	5.36	31.40	31.49 o
15	1	2	83.39	45.20	65.10 o
16	1	2	1447.24	1568.11	63.39 o
17	1	2	0.00	15.17	32.15 o
18	1	2	640.79	654.49	54.95 o
19	1	2	669.99	641.23	116.56 o
0	2	2	609.17	658.60	35.57 o
1	2	2	2.51	13.04	7.74 o
2	2	2	1638.15	1659.67	27.68 o
3	2	2	16.67	22.65	8.29 o
4	2	2	1533.20	1479.06	28.01 o
5	2	2	773.26	747.67	23.59 o
6	2	2	616.18	688.32	23.24 o
7	2	2	379.29	373.52	16.87 o
8	2	2	1044.44	1073.72	36.00 o
9	2	2	294.56	278.46	13.68 o
10	2	2	474.55	480.28	16.44 o
11	2	2	16.37	41.26	18.65 o
12	2	2	3374.20	3312.70	55.82 o
13	2	2	365.68	354.09	25.80 o
14	2	2	883.83	887.73	38.61 o
15	2	2	387.94	480.96	39.44 o
16	2	2	37.29	18.20	30.15 o
17	2	2	637.18	595.81	49.49 o
18	2	2	0.48	18.79	72.85 o
19	2	2	845.21	820.75	62.93 o
1	3	2	68.77	82.78	9.50 o
2	3	2	2042.04	1959.51	42.85 o
3	3	2	115.90	144.52	10.78 o
4	3	2	15420.80	15639.60	84.78 o
5	3	2	18.66	44.00	10.33 o
6	3	2	220.34	264.31	13.69 o
7	3	2	61.77	72.65	9.86 o
8	3	2	1252.05	1339.47	31.04 o
9	3	2	1639.18	1685.05	30.55 o
10	3	2	30764.78	29797.16	188.47 o
11	3	2	8.78	20.47	11.58 o
12	3	2	3223.33	3228.73	56.58 o
13	3	2	1.09	10.78	18.43 o
14	3	2	8387.21	8205.77	108.19 o
15	3	2	493.06	511.96	57.85 o
16	3	2	1.15	113.31	45.74 o
17	3	2	17.70	45.31	45.50 o
18	3	2	390.01	339.97	63.91 o
19	3	2	2253.36	2488.50	158.53 o
0	4	2	31.82	43.78	10.11 o
1	4	2	29.52	30.73	10.23 o
2	4	2	1879.94	1884.74	37.70 o
3	4	2	917.29	920.05	28.32 o
4	4	2	207.22	205.97	31.48 o

5	4	2	426.51	467.52	21.87 o
6	4	2	3764.08	3706.40	53.02 o
7	4	2	1187.11	1158.65	32.78 o
8	4	2	1066.39	1152.24	32.22 o
9	4	2	199.50	206.42	15.41 o
10	4	2	4857.49	4821.00	90.29 o
11	4	2	4229.37	4169.74	68.80 o
12	4	2	7.89	13.29	22.94 o
13	4	2	1231.19	1194.61	49.63 o
14	4	2	0.03	50.13	56.46 o
15	4	2	3060.89	2933.30	118.76 o
16	4	2	6432.49	6116.74	177.60 o
17	4	2	192.62	270.55	55.31 o
18	4	2	4234.02	4201.21	174.69 o
1	5	2	59.59	72.96	11.78 o
2	5	2	20488.57	20839.24	186.78 o
3	5	2	195.82	209.48	41.75 o
4	5	2	22811.63	23093.08	407.27 o
5	5	2	205.94	183.72	14.96 o
6	5	2	3017.59	2909.63	47.59 o
7	5	2	133.77	147.60	30.43 o
8	5	2	24984.98	24687.14	435.44 o
9	5	2	11.59	25.44	10.32 o
10	5	2	1225.44	1292.48	69.96 o
11	5	2	869.42	779.83	55.44 o
12	5	2	658.01	709.52	36.39 o
13	5	2	82.85	55.54	67.56 o
14	5	2	21347.99	21516.88	505.77 o
15	5	2	878.87	912.30	72.78 o
16	5	2	2440.83	2752.14	124.04 o
17	5	2	543.32	515.10	72.81 o
18	5	2	9283.67	8881.20	243.71 o
0	6	2	264.38	263.64	23.07 o
1	6	2	253.87	232.25	22.68 o
2	6	2	990.55	959.89	42.85 o
3	6	2	65.54	103.41	17.40 o
4	6	2	917.76	929.33	41.46 o
5	6	2	54.35	66.04	15.67 o
6	6	2	922.50	983.36	43.28 o
7	6	2	726.85	650.38	37.83 o
8	6	2	202.21	188.24	20.64 o
9	6	2	82.74	72.22	17.60 o
10	6	2	4.96	13.06	20.10 o
11	6	2	1093.07	1268.36	69.17 o
12	6	2	0.68	88.35	33.40 o
13	6	2	1286.09	1318.84	79.14 o
14	6	2	315.90	419.39	50.79 o
15	6	2	1450.16	1566.01	90.08 o
16	6	2	514.11	740.08	72.09 o
17	6	2	71.99	155.94	54.28 o
18	6	2	4695.37	4790.61	186.18 o
1	7	2	7.40	2.51	13.45 o
2	7	2	934.08	992.30	43.74 o
3	7	2	47.11	42.18	15.47 o

4	7	2	595.98	544.95	35.80 o
5	7	2	118.41	157.58	19.72 o
6	7	2	13679.85	13213.93	138.91 o
7	7	2	403.50	434.29	27.80 o
8	7	2	7261.67	7323.41	100.70 o
9	7	2	2.29	30.94	18.70 o
10	7	2	1198.87	1359.28	65.18 o
11	7	2	93.81	120.14	33.31 o
12	7	2	0.99	49.79	33.83 o
13	7	2	286.72	309.93	53.20 o
14	7	2	995.31	1074.92	73.96 o
15	7	2	101.12	141.44	47.20 o
16	7	2	1455.74	1424.27	95.20 o
17	7	2	688.62	637.46	79.30 o
18	7	2	445.67	437.60	70.34 o
0	8	2	2093.09	1920.55	57.43 o
1	8	2	282.01	246.94	23.11 o
2	8	2	304.31	301.39	24.13 o
3	8	2	5.44	61.07	15.18 o
4	8	2	804.62	827.24	40.60 o
5	8	2	123.77	131.59	18.47 o
6	8	2	2380.20	2231.34	59.64 o
7	8	2	690.26	695.99	32.65 o
8	8	2	11539.79	11148.69	139.33 o
9	8	2	2332.64	2361.60	77.75 o
10	8	2	467.65	519.10	44.30 o
11	8	2	40.23	25.16	30.71 o
12	8	2	486.09	477.96	56.26 o
13	8	2	4588.62	4600.64	139.54 o
14	8	2	612.52	652.72	65.59 o
15	8	2	27.23	76.49	42.80 o
16	8	2	81.56	130.16	47.24 o
17	8	2	1266.53	1145.77	94.28 o
1	9	2	31.44	-7.47	14.36 o
2	9	2	4426.26	4327.79	81.03 o
3	9	2	927.90	922.83	43.27 o
4	9	2	5285.32	5147.61	88.19 o
5	9	2	10.66	2.27	14.89 o
6	9	2	16937.61	16443.40	151.05 o
7	9	2	224.62	197.45	24.40 o
8	9	2	16308.34	16532.16	187.81 o
9	9	2	1.76	-10.89	22.94 o
10	9	2	595.39	565.78	48.70 o
11	9	2	43.56	43.77	35.53 o
12	9	2	220.99	224.28	50.63 o
13	9	2	28.83	65.07	39.91 o
14	9	2	2026.88	2068.61	117.11 o
15	9	2	444.47	526.34	66.24 o
16	9	2	2782.12	2581.06	145.92 o
17	9	2	18.25	71.87	53.50 o
0	10	2	139.99	141.14	19.05 o
1	10	2	82.97	55.25	15.91 o
2	10	2	390.92	354.02	25.67 o
3	10	2	390.51	354.59	25.91 o

4	10	2	4371.79	4465.09	80.44 o
5	10	2	930.47	946.89	43.93 o
6	10	2	32.21	48.35	18.03 o
7	10	2	226.71	224.79	30.00 o
8	10	2	181.89	208.22	32.12 o
9	10	2	899.79	810.66	55.75 o
10	10	2	6.14	57.26	34.65 o
11	10	2	32.88	19.18	37.84 o
12	10	2	119.95	147.77	43.49 o
13	10	2	1824.01	1892.55	111.59 o
14	10	2	12.82	43.28	43.96 o
15	10	2	689.29	722.24	76.22 o
16	10	2	625.96	624.01	74.76 o
17	10	2	500.42	370.49	72.27 o
1	11	2	405.05	431.75	26.78 o
2	11	2	44970.20	42800.06	257.88 o
3	11	2	39.62	65.03	17.06 o
4	11	2	5792.18	5742.78	102.98 o
5	11	2	9.59	9.40	19.38 o
6	11	2	2049.81	1932.79	73.47 o
7	11	2	75.68	36.30	27.00 o
8	11	2	6516.06	6284.73	143.83 o
9	11	2	35.72	-2.80	32.87 o
10	11	2	25.81	-16.92	35.43 o
11	11	2	622.99	686.26	63.81 o
12	11	2	4205.43	4271.86	146.29 o
13	11	2	55.94	159.80	48.78 o
14	11	2	4951.38	4924.36	178.89 o
15	11	2	11.86	44.44	47.19 o
16	11	2	312.51	331.77	67.13 o
17	11	2	2052.75	1935.80	128.79 o
0	12	2	0.81	34.94	18.03 o
1	12	2	84.31	105.34	22.13 o
2	12	2	534.08	514.70	36.64 o
3	12	2	282.22	333.31	32.08 o
4	12	2	0.87	26.85	21.54 o
5	12	2	36.96	80.88	26.80 o
6	12	2	3818.62	3997.43	112.38 o
7	12	2	573.34	499.61	49.67 o
8	12	2	621.66	644.32	56.72 o
9	12	2	0.97	15.91	34.99 o
10	12	2	1990.60	1835.13	100.37 o
11	12	2	2245.95	2459.24	114.27 o
12	12	2	0.17	64.68	43.04 o
13	12	2	373.45	396.84	64.44 o
14	12	2	96.17	160.72	58.33 o
15	12	2	1314.39	1413.95	106.52 o
16	12	2	5646.59	6234.64	223.76 o
1	13	2	195.28	209.91	31.97 o
2	13	2	4238.29	4470.66	111.80 o
3	13	2	6.14	3.86	25.35 o
4	13	2	2391.15	2245.55	91.27 o
5	13	2	404.17	425.97	45.59 o
6	13	2	719.57	771.67	59.00 o

7	13	2	143.02	104.43	40.55 o
8	13	2	2984.38	3133.57	131.44 o
9	13	2	713.43	870.24	68.50 o
10	13	2	24944.16	25475.13	333.38 o
11	13	2	14.15	-13.35	46.03 o
12	13	2	5223.20	5326.11	179.88 o
13	13	2	444.30	531.59	71.69 o
14	13	2	15401.16	15852.88	327.76 o
15	13	2	55.66	63.29	60.98 o
0	14	2	443.77	501.24	46.71 o
1	14	2	344.39	324.65	41.10 o
2	14	2	998.01	979.76	62.14 o
3	14	2	324.07	344.70	42.98 o
4	14	2	301.91	229.35	43.22 o
5	14	2	10.35	50.80	37.11 o
6	14	2	462.30	524.49	57.18 o
7	14	2	2479.64	2404.81	104.61 o
8	14	2	1417.71	1562.69	86.07 o
9	14	2	259.76	301.31	51.79 o
10	14	2	662.32	583.22	67.91 o
11	14	2	471.75	448.79	67.16 o
12	14	2	4613.50	4852.77	183.37 o
13	14	2	63.88	-1.78	49.75 o
14	14	2	380.03	469.81	72.30 o
15	14	2	359.04	340.81	70.95 o
1	15	2	2.96	-31.38	31.38 o
2	15	2	742.98	769.11	62.09 o
3	15	2	56.05	-36.06	36.06 o
4	15	2	8372.17	8330.35	195.18 o
5	15	2	186.08	210.96	45.37 o
6	15	2	8047.46	7847.70	181.78 o
7	15	2	57.81	63.05	38.47 o
8	15	2	9.25	30.65	40.87 o
9	15	2	30.33	-14.94	39.91 o
10	15	2	675.26	707.41	74.33 o
11	15	2	16.98	96.83	51.09 o
12	15	2	71.55	37.26	51.34 o
13	15	2	101.08	3.71	50.14 o
14	15	2	2447.83	2234.41	136.11 o
0	16	2	3370.06	3450.52	123.91 o
1	16	2	0.03	-32.97	32.97 o
2	16	2	205.81	246.84	45.28 o
3	16	2	270.29	239.93	48.61 o
4	16	2	1.51	12.29	39.57 o
5	16	2	162.75	226.42	47.54 o
6	16	2	107.71	166.32	46.14 o
7	16	2	24.14	96.55	44.92 o
8	16	2	2701.44	2634.10	133.31 o
9	16	2	1278.30	1237.41	92.07 o
10	16	2	233.45	157.44	55.50 o
11	16	2	57.47	78.62	55.48 o
12	16	2	2307.80	2047.96	126.20 o
13	16	2	249.49	233.44	67.46 o
1	17	2	248.20	174.19	46.15 o



2	17	2	25162.23	26000.85	343.06 o
3	17	2	399.61	457.22	58.85 o
4	17	2	1998.06	2295.65	118.51 o
5	17	2	13.70	95.96	44.44 o
6	17	2	3196.74	3167.19	143.01 o
7	17	2	9.20	6.07	45.16 o
8	17	2	3551.22	3349.69	154.51 o
9	17	2	82.83	77.56	47.58 o
10	17	2	1009.33	895.16	86.79 o
11	17	2	264.66	270.39	64.14 o
12	17	2	4969.15	4839.43	207.09 o
0	18	2	441.65	454.70	59.77 o
1	18	2	38.59	70.42	44.06 o
2	18	2	1375.96	1351.75	91.90 o
3	18	2	236.49	155.37	53.62 o
4	18	2	1670.05	1465.45	120.49 o
5	18	2	1313.41	1476.98	98.60 o
6	18	2	1869.14	1938.73	126.53 o
7	18	2	48.15	100.79	52.35 o
8	18	2	11.04	-0.29	46.08 o
9	18	2	939.89	852.19	89.10 o
10	18	2	1265.91	1255.31	106.07 o
1	19	2	17.83	24.00	44.54 o
2	19	2	1886.50	1757.73	107.91 o
3	19	2	599.48	513.13	69.59 o
4	19	2	24029.83	24332.86	393.20 o
5	19	2	42.81	60.83	50.95 o
6	19	2	2644.22	2654.96	144.75 o
7	19	2	288.98	346.51	68.43 o
8	19	2	1698.86	1696.30	118.25 o
9	19	2	152.58	60.99	55.30 o
0	20	2	1802.61	1716.91	111.07 o
1	20	2	387.29	491.53	69.80 o
2	20	2	466.15	487.70	69.04 o
3	20	2	0.01	-29.45	46.22 o
4	20	2	116.25	154.32	57.85 o
5	20	2	2.18	12.72	49.50 o
6	20	2	989.51	636.33	85.82 o
7	20	2	85.80	-5.98	48.06 o
1	21	2	7.11	15.62	45.60 o
2	21	2	6351.74	6871.46	237.89 o
3	21	2	50.96	-6.56	49.22 o
4	21	2	7421.90	7927.87	260.05 o
1	0	3	24.03	51.59	23.07 o
2	0	3	32.29	38.32	10.77 o
3	0	3	2480.44	2553.60	43.48 o
4	0	3	237.35	219.20	15.34 o
5	0	3	11251.21	10965.34	89.11 o
6	0	3	681.66	672.30	27.41 o
7	0	3	7575.45	7316.57	125.98 o
8	0	3	2.64	24.09	10.38 o
9	0	3	21206.51	21443.57	123.77 o
10	0	3	3017.45	2805.62	56.79 o
11	0	3	135.53	160.45	19.14 o

12	0	3	3417.42	3348.01	99.46 o
13	0	3	7502.94	7552.93	216.65 o
14	0	3	17.00	31.34	47.26 o
15	0	3	7119.45	6968.04	176.68 o
16	0	3	315.54	234.16	53.63 o
17	0	3	2156.55	1854.24	130.73 o
18	0	3	22.17	11.81	48.10 o
0	1	3	400.66	380.27	28.12 o
1	1	3	986.34	988.88	23.05 o
2	1	3	1866.63	1869.95	31.59 o
3	1	3	2120.42	2070.67	47.20 o
4	1	3	836.69	825.51	22.44 o
5	1	3	12805.45	12966.95	78.90 o
6	1	3	557.44	555.83	22.15 o
7	1	3	798.22	885.23	48.04 o
8	1	3	4.95	18.47	8.45 o
9	1	3	1740.72	1827.79	31.29 o
10	1	3	1671.84	1670.71	32.59 o
11	1	3	2093.89	2138.67	51.23 o
12	1	3	229.27	191.29	19.89 o
13	1	3	583.70	632.41	32.04 o
14	1	3	9.20	90.15	24.31 o
15	1	3	4.16	32.34	83.14 o
16	1	3	37.29	35.80	86.52 o
17	1	3	1834.93	1793.45	90.38 o
18	1	3	1113.99	1145.80	70.29 o
1	2	3	9.34	20.54	8.33 o
2	2	3	65.17	68.19	9.40 o
3	2	3	37.98	80.12	22.75 o
4	2	3	30.25	49.93	13.90 o
5	2	3	3257.66	3393.05	41.33 o
6	2	3	361.66	388.83	15.61 o
7	2	3	16232.16	16115.02	88.63 o
8	2	3	815.56	815.46	23.51 o
9	2	3	20490.94	20481.08	431.10 o
10	2	3	68.99	75.15	10.99 o
11	2	3	3684.50	3525.22	54.34 o
12	2	3	625.96	576.88	29.45 o
13	2	3	64.16	49.37	21.44 o
14	2	3	526.88	528.91	34.93 o
15	2	3	35.97	-1.29	27.76 o
16	2	3	1.25	8.75	34.61 o
17	2	3	437.51	445.00	46.48 o
18	2	3	462.98	465.95	50.32 o
0	3	3	1847.98	1774.13	31.03 o
1	3	3	6578.97	6478.42	54.89 o
2	3	3	1394.48	1422.25	28.26 o
3	3	3	1911.12	1973.51	33.82 o
4	3	3	547.94	556.05	17.63 o
5	3	3	746.37	783.71	22.18 o
6	3	3	1390.16	1420.40	32.91 o
7	3	3	11846.78	11705.96	225.35 o
8	3	3	180.84	173.67	11.76 o
9	3	3	1139.24	1113.72	41.38 o

10	3	3	5574.85	5665.74	236.54 o
11	3	3	6074.50	6031.71	80.40 o
12	3	3	10.99	-7.63	16.21 o
13	3	3	72.98	93.08	21.45 o
14	3	3	354.56	447.96	56.67 o
15	3	3	48.98	44.20	43.86 o
16	3	3	761.51	874.21	76.13 o
17	3	3	1921.96	1907.38	111.16 o
18	3	3	593.87	620.83	78.80 o
1	4	3	5344.69	5383.89	85.76 o
2	4	3	104.10	83.45	12.41 o
3	4	3	7884.15	7746.37	113.64 o
4	4	3	143.45	166.11	20.50 o
5	4	3	4643.02	4481.90	57.91 o
6	4	3	139.75	109.39	21.00 o
7	4	3	3346.22	3314.33	80.96 o
8	4	3	219.02	225.56	16.01 o
9	4	3	742.46	874.32	33.74 o
10	4	3	1218.87	1255.71	44.06 o
11	4	3	8876.43	8654.33	170.65 o
12	4	3	3651.55	3849.73	82.08 o
13	4	3	8.85	32.02	24.67 o
14	4	3	540.77	478.86	55.40 o
15	4	3	13897.28	13837.10	248.35 o
16	4	3	18.41	-8.19	46.42 o
17	4	3	83.74	80.41	49.12 o
18	4	3	946.82	897.36	90.02 o
0	5	3	322.64	311.38	22.98 o
1	5	3	11.48	30.40	15.42 o
2	5	3	154.90	168.76	14.21 o
3	5	3	6243.44	6079.79	67.10 o
4	5	3	3351.78	3418.50	95.93 o
5	5	3	2489.86	2624.39	45.35 o
6	5	3	348.77	373.23	18.71 o
7	5	3	1553.33	1524.62	41.49 o
8	5	3	937.29	919.08	29.10 o
9	5	3	0.25	36.84	18.46 o
10	5	3	122.03	127.48	19.14 o
11	5	3	6982.80	6832.74	116.24 o
12	5	3	2768.20	2803.25	73.99 o
13	5	3	5898.71	5721.30	111.24 o
14	5	3	0.00	-37.93	37.93 o
15	5	3	2524.60	2429.27	117.19 o
16	5	3	3905.32	4015.21	153.63 o
17	5	3	2635.37	2453.12	125.52 o
18	5	3	2160.92	2189.61	128.34 o
1	6	3	9565.36	9407.34	119.09 o
2	6	3	126.84	131.84	19.43 o
3	6	3	3827.60	4018.67	78.55 o
4	6	3	50.69	107.94	18.61 o
5	6	3	701.24	805.92	40.54 o
6	6	3	161.24	235.81	21.85 o
7	6	3	531.96	571.52	31.19 o
8	6	3	14.17	16.97	14.36 o

9	6	3	32.51	61.89	19.86 o
10	6	3	50.86	37.07	26.27 o
11	6	3	2555.51	2747.00	99.50 o
12	6	3	75.42	79.93	38.61 o
13	6	3	1901.46	2162.86	109.61 o
14	6	3	784.62	749.98	66.24 o
15	6	3	9571.33	9679.12	217.16 o
16	6	3	1231.20	1305.38	90.90 o
17	6	3	5600.31	5498.34	192.01 o
18	6	3	411.33	432.26	69.95 o
0	7	3	948.35	964.11	43.78 o
1	7	3	3447.45	3313.94	72.26 o
2	7	3	2159.22	1983.74	58.25 o
3	7	3	5755.43	5546.64	91.89 o
4	7	3	1494.29	1597.52	52.13 o
5	7	3	7672.41	7634.28	105.10 o
6	7	3	79.36	119.27	17.89 o
7	7	3	140.73	113.22	17.50 o
8	7	3	100.45	117.97	21.41 o
9	7	3	124.24	218.02	29.31 o
10	7	3	11.37	44.63	26.56 o
11	7	3	1.96	7.47	30.08 o
12	7	3	658.11	716.67	63.19 o
13	7	3	567.54	613.35	60.04 o
14	7	3	506.27	603.39	61.38 o
15	7	3	30.26	-40.06	40.06 o
16	7	3	211.71	224.70	54.34 o
17	7	3	140.68	46.77	50.14 o
1	8	3	15524.99	14961.96	150.00 o
2	8	3	435.78	445.78	28.14 o
3	8	3	13754.81	13607.17	141.54 o
4	8	3	0.28	20.39	14.41 o
5	8	3	2966.21	2753.53	64.60 o
6	8	3	53.97	59.29	15.09 o
7	8	3	3475.20	3273.82	77.89 o
8	8	3	2520.46	2429.67	76.97 o
9	8	3	210.16	258.63	34.29 o
10	8	3	887.86	882.55	58.40 o
11	8	3	455.01	556.87	54.14 o
12	8	3	16.24	16.97	43.77 o
13	8	3	25325.51	27373.60	341.93 o
14	8	3	4524.07	4530.29	155.86 o
15	8	3	2096.55	2253.32	114.69 o
16	8	3	152.63	255.05	60.99 o
17	8	3	11865.65	11394.35	280.42 o
0	9	3	10.42	-4.43	13.35 o
1	9	3	1008.74	986.86	43.33 o
2	9	3	332.93	332.25	25.33 o
3	9	3	2429.11	2424.20	62.41 o
4	9	3	1369.42	1535.55	50.19 o
5	9	3	11326.44	10936.47	128.03 o
6	9	3	165.73	197.80	23.29 o
7	9	3	152.22	177.49	26.47 o
8	9	3	623.16	597.00	44.13 o

9	9	3	917.54	990.66	59.08 o
10	9	3	230.88	218.12	40.85 o
11	9	3	2757.87	2701.43	119.92 o
12	9	3	1728.79	1997.25	106.02 o
13	9	3	4662.16	4517.43	152.32 o
14	9	3	61.90	185.35	52.16 o
15	9	3	500.37	561.28	71.65 o
16	9	3	1151.64	1031.68	94.21 o
1	10	3	8545.65	7875.09	105.21 o
2	10	3	122.66	114.27	17.89 o
3	10	3	2516.40	2613.91	65.75 o
4	10	3	3.88	2.94	16.24 o
5	10	3	377.47	397.28	31.17 o
6	10	3	13.10	12.68	19.33 o
7	10	3	239.69	279.58	33.76 o
8	10	3	263.43	300.38	39.36 o
9	10	3	3702.73	3411.42	117.70 o
10	10	3	1.80	-31.71	31.71 o
11	10	3	436.29	356.30	49.69 o
12	10	3	140.95	124.92	45.13 o
13	10	3	6829.13	6771.36	189.49 o
14	10	3	936.46	953.33	81.71 o
15	10	3	3117.09	2697.28	148.64 o
16	10	3	25.94	183.60	60.25 o
17	10	3	4087.78	4126.57	189.09 o
0	11	3	2222.37	2108.73	65.53 o
1	11	3	5988.33	5844.44	103.38 o
2	11	3	665.91	620.08	37.18 o
3	11	3	6649.95	6820.48	118.25 o
4	11	3	2082.31	1990.79	73.29 o
5	11	3	179.31	139.46	27.58 o
6	11	3	71.60	32.64	25.21 o
7	11	3	2.91	-1.83	26.46 o
8	11	3	345.04	338.01	43.70 o
9	11	3	807.27	814.48	66.35 o
10	11	3	239.01	170.04	44.75 o
11	11	3	242.37	212.62	47.93 o
12	11	3	1474.45	1571.42	92.79 o
13	11	3	1251.24	1416.33	92.69 o
14	11	3	148.79	175.01	52.55 o
15	11	3	855.78	916.08	89.76 o
16	11	3	1251.59	1299.55	108.05 o
1	12	3	2562.71	2451.77	82.21 o
2	12	3	30.96	41.60	24.00 o
3	12	3	3366.31	3190.29	95.70 o
4	12	3	149.17	120.64	31.00 o
5	12	3	3574.09	3288.17	106.13 o
6	12	3	66.09	75.10	32.73 o
7	12	3	3316.80	3103.79	117.14 o
8	12	3	113.22	110.02	43.63 o
9	12	3	250.56	235.58	45.19 o
10	12	3	472.11	469.76	57.90 o
11	12	3	10766.74	10424.42	222.54 o
12	12	3	2237.41	2444.58	132.12 o

13	12	3	76.78	23.04	46.37 o
14	12	3	486.58	476.68	70.44 o
15	12	3	5229.55	5193.34	208.78 o
16	12	3	124.01	185.99	67.49 o
0	13	3	45.76	32.63	26.46 o
1	13	3	13.48	-9.30	26.22 o
2	13	3	69.17	43.48	27.91 o
3	13	3	0.04	50.03	29.69 o
4	13	3	125.13	187.07	38.33 o
5	13	3	625.62	753.96	59.62 o
6	13	3	936.35	965.93	67.73 o
7	13	3	5917.11	5763.33	164.24 o
8	13	3	2.25	12.19	37.84 o
9	13	3	2092.99	1974.43	108.91 o
10	13	3	6120.99	5993.13	175.99 o
11	13	3	10101.20	9355.98	226.95 o
12	13	3	82.89	48.21	48.01 o
13	13	3	895.98	918.49	87.50 o
14	13	3	641.39	706.74	80.93 o
15	13	3	26.58	122.28	55.72 o
1	14	3	40.23	35.28	35.24 o
2	14	3	20.20	-25.64	31.43 o
3	14	3	16.92	44.20	34.27 o
4	14	3	0.09	9.69	33.30 o
5	14	3	2343.24	2269.50	116.80 o
6	14	3	11.01	-27.38	35.43 o
7	14	3	16175.04	16274.54	260.71 o
8	14	3	1363.11	1253.77	83.06 o
9	14	3	11551.21	11567.07	238.14 o
10	14	3	41.71	73.36	47.91 o
11	14	3	9386.57	9313.05	238.62 o
12	14	3	519.86	523.08	71.89 o
13	14	3	748.24	675.76	82.30 o
14	14	3	647.26	547.24	82.04 o
0	15	3	1983.10	2025.43	108.76 o
1	15	3	6104.04	6557.10	174.96 o
2	15	3	1434.10	1438.46	86.32 o
3	15	3	2842.23	2985.85	111.97 o
4	15	3	112.93	122.02	39.82 o
5	15	3	1051.73	1075.98	74.50 o
6	15	3	22.57	71.96	39.48 o
7	15	3	874.96	1055.79	76.40 o
8	15	3	2.40	-39.47	39.47 o
9	15	3	187.40	196.24	54.20 o
10	15	3	24.60	45.98	48.44 o
11	15	3	872.54	758.23	81.17 o
12	15	3	35.88	155.74	58.66 o
13	15	3	19.45	61.17	52.01 o
1	16	3	200.19	181.64	44.56 o
2	16	3	32.57	76.45	41.02 o
3	16	3	2170.84	2146.28	113.14 o
4	16	3	93.46	76.65	41.27 o
5	16	3	7003.90	6555.99	179.70 o
6	16	3	351.45	314.64	56.63 o

7	16	3	7880.13	7961.62	207.75 o
8	16	3	40.21	69.07	49.50 o
9	16	3	10016.92	9509.31	244.00 o
10	16	3	957.14	923.13	88.14 o
11	16	3	361.10	346.51	63.96 o
12	16	3	1121.59	892.64	92.75 o
0	17	3	159.19	271.74	49.76 o
1	17	3	1091.36	997.81	77.88 o
2	17	3	177.09	202.75	49.18 o
3	17	3	89.23	56.50	44.69 o
4	17	3	135.64	159.00	49.22 o
5	17	3	2684.11	2783.09	139.80 o
6	17	3	64.81	101.37	47.10 o
7	17	3	298.14	230.29	59.61 o
8	17	3	40.92	43.62	50.90 o
9	17	3	2807.95	2772.55	140.87 o
10	17	3	1825.00	1599.38	114.41 o
11	17	3	3356.11	3871.46	185.71 o
1	18	3	469.95	421.38	63.59 o
2	18	3	107.41	122.64	50.23 o
3	18	3	735.72	682.15	75.26 o
4	18	3	80.43	140.86	52.06 o
5	18	3	2815.63	2849.53	151.65 o
6	18	3	500.30	516.50	71.12 o
7	18	3	6558.90	6709.00	217.03 o
8	18	3	119.15	132.14	54.43 o
9	18	3	10335.00	10485.40	282.73 o
10	18	3	40.59	41.26	55.67 o
0	19	3	1763.47	1630.44	107.59 o
1	19	3	10872.65	11008.23	265.42 o
2	19	3	934.31	919.52	85.52 o
3	19	3	253.82	317.89	59.94 o
4	19	3	9.91	28.87	46.08 o
5	19	3	1378.36	1392.76	103.77 o
6	19	3	64.32	-8.44	45.70 o
7	19	3	264.54	306.61	69.25 o
8	19	3	180.90	226.03	65.38 o
1	20	3	2919.61	3485.02	171.30 o
2	20	3	32.00	112.55	52.92 o
3	20	3	3882.51	4004.45	186.40 o
4	20	3	40.02	-3.47	51.53 o
5	20	3	4570.03	4514.09	203.14 o
6	20	3	39.03	59.82	56.88 o
0	21	3	97.74	128.62	57.27 o
1	21	3	360.94	293.16	69.89 o
0	0	4	75471.50	81171.16	356.24 o
1	0	4	2887.75	2895.51	100.30 o
2	0	4	336.39	373.43	18.39 o
3	0	4	484.94	507.98	20.90 o
4	0	4	29667.98	29312.47	149.17 o
5	0	4	58.96	74.31	46.26 o
6	0	4	1212.91	1206.87	33.25 o
7	0	4	2177.47	2198.18	72.64 o
8	0	4	18329.05	18221.03	131.65 o

9	0	4	634.47	635.41	90.06 o
10	0	4	1050.19	1058.46	101.12 o
11	0	4	1493.68	1387.36	51.91 o
12	0	4	2998.32	3046.81	147.83 o
13	0	4	488.91	497.17	41.34 o
14	0	4	2594.89	2612.87	114.18 o
15	0	4	3651.68	3426.12	139.54 o
16	0	4	233.00	151.47	50.73 o
17	0	4	3438.27	3359.98	160.73 o
18	0	4	880.03	951.60	93.58 o
1	1	4	1172.06	1149.27	36.02 o
2	1	4	260.02	292.90	13.99 o
3	1	4	722.90	741.23	22.85 o
4	1	4	2490.61	2505.51	36.21 o
5	1	4	1111.83	1139.96	37.32 o
6	1	4	635.57	636.60	28.44 o
7	1	4	312.14	319.05	15.16 o
8	1	4	187.90	207.66	13.47 o
9	1	4	43.89	67.95	10.59 o
10	1	4	2.58	24.40	14.38 o
11	1	4	22.19	5.04	14.89 o
12	1	4	103.42	114.21	20.90 o
13	1	4	893.20	847.12	38.73 o
14	1	4	11.14	38.98	27.70 o
15	1	4	1367.90	1371.94	61.31 o
16	1	4	355.29	425.32	44.85 o
17	1	4	280.75	346.38	62.38 o
18	1	4	715.43	707.25	162.74 o
0	2	4	3401.15	3403.66	47.14 o
1	2	4	48.50	46.46	9.64 o
2	2	4	196.48	194.04	12.05 o
3	2	4	39.55	60.22	9.39 o
4	2	4	566.35	521.08	21.23 o
5	2	4	2332.67	2321.59	46.04 o
6	2	4	12059.67	11674.00	132.35 o
7	2	4	1221.70	1252.65	43.21 o
8	2	4	17733.34	17900.68	111.65 o
9	2	4	57.45	75.37	20.64 o
10	2	4	649.44	639.13	46.97 o
11	2	4	145.76	139.04	31.32 o
12	2	4	458.09	499.89	37.01 o
13	2	4	64.13	44.83	28.27 o
14	2	4	17.78	38.96	28.98 o
15	2	4	9.30	21.30	29.14 o
16	2	4	2175.39	2366.00	222.72 o
17	2	4	429.21	430.98	49.37 o
18	2	4	978.79	957.24	66.21 o
1	3	4	79.09	94.42	11.85 o
2	3	4	65.31	85.30	12.33 o
3	3	4	128.20	118.99	10.69 o
4	3	4	0.00	29.11	9.15 o
5	3	4	2135.61	2212.47	34.37 o
6	3	4	2448.28	2480.06	36.28 o
7	3	4	2525.69	2542.70	36.35 o



8	3	4	282.90	315.03	13.80 o
9	3	4	608.05	617.92	46.91 o
10	3	4	1546.00	1565.99	39.75 o
11	3	4	31.74	85.24	29.31 o
12	3	4	342.14	370.12	36.06 o
13	3	4	290.80	230.46	27.70 o
14	3	4	1997.45	1768.24	103.51 o
15	3	4	758.19	756.18	71.60 o
16	3	4	294.70	270.66	57.44 o
17	3	4	18.55	75.14	50.95 o
18	3	4	281.95	279.81	68.43 o
0	4	4	2502.49	2423.63	44.61 o
1	4	4	470.82	426.88	22.82 o
2	4	4	598.17	607.89	32.75 o
3	4	4	280.06	295.84	17.02 o
4	4	4	981.55	1016.38	75.82 o
5	4	4	122.97	146.15	13.79 o
7	4	4	1128.80	1147.54	34.00 o
8	4	4	6629.34	6534.65	89.24 o
9	4	4	476.81	534.71	26.46 o
10	4	4	2865.38	3078.80	113.52 o
11	4	4	3470.05	3642.96	78.66 o
12	4	4	5047.15	5211.85	178.11 o
13	4	4	1839.56	1897.60	86.11 o
14	4	4	4788.52	4755.22	144.97 o
15	4	4	3526.87	3455.57	141.09 o
16	4	4	4719.95	4739.57	173.10 o
17	4	4	70.88	136.85	57.22 o
1	5	4	246.79	229.58	16.08 o
2	5	4	141.79	193.82	23.17 o
3	5	4	928.67	946.33	30.43 o
4	5	4	12.95	58.14	16.92 o
5	5	4	1290.08	1363.47	34.43 o
6	5	4	2637.75	2841.93	50.15 o
7	5	4	1323.56	1329.18	32.57 o
8	5	4	641.45	627.02	25.52 o
9	5	4	399.58	428.08	25.59 o
10	5	4	36.93	43.67	19.18 o
11	5	4	2318.41	2485.27	92.06 o
12	5	4	40.32	57.37	25.49 o
13	5	4	245.19	346.50	48.56 o
14	5	4	1567.77	1582.30	97.46 o
15	5	4	742.98	805.38	74.59 o
16	5	4	1965.17	1818.10	109.38 o
17	5	4	892.99	897.61	85.66 o
0	6	4	35464.84	35632.51	237.36 o
1	6	4	82.61	81.09	17.55 o
2	6	4	20011.03	19755.94	173.56 o
3	6	4	124.72	126.14	18.56 o
4	6	4	516.55	604.04	32.30 o
5	6	4	167.34	182.62	20.40 o
6	6	4	2398.02	2553.42	61.51 o
7	6	4	535.77	463.91	30.51 o
8	6	4	309.83	279.89	30.25 o

9	6	4	58.63	65.22	25.50 o
10	6	4	3110.91	2959.44	103.43 o
11	6	4	290.41	302.85	44.08 o
12	6	4	557.30	606.21	61.29 o
13	6	4	3674.61	3427.53	124.46 o
14	6	4	4358.90	4590.14	148.65 o
15	6	4	2089.18	2191.64	113.14 o
16	6	4	12591.72	13081.15	282.04 o
17	6	4	67.30	-7.42	52.78 o
1	7	4	857.59	841.36	41.04 o
2	7	4	196.90	188.67	20.98 o
3	7	4	951.35	1008.90	43.42 o
4	7	4	2756.46	2681.35	64.03 o
5	7	4	440.46	455.74	27.32 o
6	7	4	195.54	185.62	21.99 o
7	7	4	52.49	56.79	20.39 o
8	7	4	10.81	12.19	20.87 o
9	7	4	680.68	645.59	48.52 o
10	7	4	333.80	346.40	43.99 o
11	7	4	14.44	42.85	37.84 o
12	7	4	9.21	65.16	39.19 o
13	7	4	803.54	744.02	66.25 o
14	7	4	581.92	524.29	63.80 o
15	7	4	741.06	807.28	77.14 o
16	7	4	96.09	-26.37	45.12 o
17	7	4	408.38	428.79	69.27 o
0	8	4	30.00	65.60	15.96 o
1	8	4	1072.94	1077.41	44.83 o
2	8	4	15756.78	15561.05	150.48 o
3	8	4	62.36	46.91	15.33 o
4	8	4	7212.39	7147.37	100.93 o
5	8	4	2965.52	2850.65	70.97 o
6	8	4	16985.87	16663.17	180.32 o
7	8	4	4.87	-3.71	19.66 o
8	8	4	165.86	123.44	31.49 o
9	8	4	208.88	223.42	38.63 o
10	8	4	101.10	223.98	41.17 o
11	8	4	373.77	391.18	55.38 o
12	8	4	12435.96	12497.21	227.07 o
13	8	4	8632.86	8762.82	206.07 o
14	8	4	1288.22	1140.87	86.47 o
15	8	4	8.61	76.15	46.75 o
16	8	4	4018.37	4441.14	177.82 o
1	9	4	554.97	553.46	30.32 o
2	9	4	877.79	849.82	41.51 o
3	9	4	1355.84	1385.56	52.11 o
4	9	4	790.60	766.24	40.29 o
5	9	4	590.16	708.51	42.15 o
6	9	4	463.85	468.59	36.92 o
7	9	4	165.02	143.64	32.64 o
8	9	4	59.96	64.93	31.09 o
9	9	4	622.92	537.79	54.26 o
10	9	4	83.46	69.80	38.04 o
11	9	4	133.10	239.52	45.75 o

12	9	4	133.87	108.43	46.91 o
13	9	4	541.17	525.06	64.81 o
14	9	4	1186.61	1279.79	92.39 o
15	9	4	33.71	46.47	42.03 o
16	9	4	39.02	-19.67	49.70 o
17	9	4	47.07	58.57	54.37 o
0	10	4	54855.41	54053.36	327.01 o
1	10	4	388.26	407.63	31.27 o
2	10	4	4006.67	3990.00	90.71 o
3	10	4	430.50	424.50	35.42 o
4	10	4	1654.86	1684.21	69.67 o
5	10	4	1040.22	1139.85	62.30 o
6	10	4	41.04	81.75	26.70 o
7	10	4	256.50	292.03	41.62 o
8	10	4	2978.18	2843.66	112.29 o
9	10	4	96.29	91.98	41.80 o
10	10	4	510.20	571.00	56.41 o
11	10	4	790.57	775.87	67.07 o
12	10	4	3254.78	3492.56	138.39 o
13	10	4	1257.30	1291.22	90.66 o
14	10	4	2244.36	2251.71	139.27 o
15	10	4	935.68	762.37	84.65 o
16	10	4	3147.31	3449.94	179.67 o
1	11	4	250.77	196.01	29.71 o
2	11	4	158.51	175.66	29.75 o
3	11	4	528.17	469.72	40.11 o
4	11	4	1.60	25.21	25.98 o
5	11	4	591.93	553.42	46.68 o
6	11	4	2560.83	2543.14	101.47 o
7	11	4	781.72	826.00	63.16 o
8	11	4	187.05	93.79	41.13 o
9	11	4	483.26	457.96	52.98 o
10	11	4	0.16	35.67	39.62 o
11	11	4	1083.26	1190.00	81.17 o
12	11	4	2.82	33.64	46.46 o
13	11	4	93.22	90.97	49.32 o
14	11	4	856.36	966.49	89.42 o
15	11	4	68.64	125.38	56.16 o
16	11	4	2602.36	2575.22	174.52 o
0	12	4	86.17	87.06	29.17 o
1	12	4	9.04	-21.40	21.40 o
2	12	4	1054.04	1139.67	63.07 o
3	12	4	285.42	323.30	41.29 o
4	12	4	3925.69	3841.61	121.18 o
5	12	4	192.07	285.47	42.05 o
6	12	4	12592.82	12078.08	221.14 o
7	12	4	430.87	455.11	56.16 o
8	12	4	1660.71	1676.84	86.12 o
9	12	4	731.98	738.60	65.17 o
10	12	4	3923.70	3848.64	146.04 o
11	12	4	1574.56	1567.89	95.13 o
12	12	4	4482.13	4243.72	171.41 o
13	12	4	1086.34	975.80	89.46 o
14	12	4	2224.10	2271.59	131.16 o

15	12	4	1346.25	1252.18	108.60 o
1	13	4	22.02	95.97	34.22 o
2	13	4	122.00	65.28	35.24 o
3	13	4	29.19	92.50	36.68 o
4	13	4	67.10	52.50	38.52 o
5	13	4	2139.77	2081.39	112.63 o
6	13	4	498.30	548.16	61.38 o
7	13	4	1897.00	1845.07	103.30 o
8	13	4	234.75	256.40	50.35 o
9	13	4	297.41	302.83	54.02 o
10	13	4	2233.00	2232.68	110.91 o
11	13	4	74.76	89.28	52.11 o
12	13	4	841.08	839.73	84.35 o
13	13	4	24.61	-44.78	44.78 o
14	13	4	780.92	776.21	89.26 o
0	14	4	2229.95	1957.04	107.47 o
1	14	4	40.49	41.41	37.21 o
2	14	4	891.92	918.84	70.61 o
3	14	4	282.82	217.95	48.66 o
4	14	4	844.12	864.62	66.45 o
5	14	4	111.30	86.34	41.80 o
6	14	4	4250.80	4288.51	145.68 o
7	14	4	4279.58	4290.22	148.40 o
8	14	4	12992.17	13016.44	255.43 o
9	14	4	30.64	37.93	46.75 o
10	14	4	10870.63	10740.39	254.82 o
11	14	4	538.66	444.60	68.66 o
12	14	4	6745.21	7071.90	227.52 o
13	14	4	38.71	106.14	54.81 o
14	14	4	15.13	21.21	55.53 o
1	15	4	485.73	390.06	52.06 o
2	15	4	1247.91	1107.20	75.11 o
3	15	4	445.74	482.80	57.08 o
4	15	4	395.43	506.57	58.76 o
5	15	4	244.36	226.60	49.72 o
6	15	4	138.43	232.09	51.01 o
7	15	4	38.17	-31.96	43.04 o
8	15	4	246.54	195.40	53.19 o
9	15	4	244.80	204.27	55.12 o
10	15	4	1.87	-26.65	44.20 o
11	15	4	289.78	188.86	59.99 o
12	15	4	80.45	90.10	53.51 o
13	15	4	160.94	325.78	69.48 o
0	16	4	29238.94	30516.77	375.18 o
1	16	4	465.28	505.49	60.55 o
2	16	4	27.38	-36.44	36.44 o
3	16	4	767.58	781.83	72.47 o
4	16	4	12108.94	11970.02	248.66 o
5	16	4	0.90	-35.81	35.81 o
6	16	4	5049.36	4976.88	172.94 o
7	16	4	927.08	870.62	80.50 o
8	16	4	6580.77	6436.45	209.85 o
9	16	4	218.44	148.13	52.61 o
10	16	4	474.61	442.45	72.95 o

11	16	4	94.24	15.28	52.64 o
1	17	4	442.35	396.03	60.40 o
2	17	4	92.74	156.48	49.03 o
3	17	4	558.83	471.94	65.97 o
4	17	4	912.71	901.07	81.71 o
5	17	4	350.29	431.50	67.86 o
6	17	4	465.92	450.95	68.07 o
7	17	4	267.15	283.66	63.66 o
8	17	4	90.42	27.91	51.63 o
9	17	4	19.27	26.99	50.42 o
10	17	4	43.05	24.97	48.97 o
0	18	4	12722.54	12905.45	277.04 o
1	18	4	388.24	374.42	63.29 o
2	18	4	166.00	187.55	52.89 o
3	18	4	50.47	144.08	52.06 o
4	18	4	428.59	417.09	68.94 o
5	18	4	2844.85	3004.44	156.89 o
6	18	4	8943.06	9122.59	257.76 o
7	18	4	2.40	31.81	48.05 o
8	18	4	10629.45	10253.91	281.06 o
9	18	4	101.09	-0.19	49.90 o
1	19	4	24.50	85.46	49.65 o
2	19	4	4.69	50.80	47.67 o
3	19	4	0.82	-0.63	51.23 o
4	19	4	33.23	60.35	51.67 o
5	19	4	688.46	621.08	75.10 o
6	19	4	513.98	350.91	69.33 o
7	19	4	981.79	801.44	91.37 o
0	20	4	1444.89	1671.87	129.41 o
1	20	4	125.38	72.85	55.35 o
2	20	4	309.48	196.14	64.53 o
3	20	4	3.01	119.77	51.62 o
4	20	4	6466.78	6749.30	243.40 o
1	0	5	225.98	269.34	16.88 o
2	0	5	4380.89	4418.68	108.16 o
3	0	5	19627.58	19506.71	207.86 o
4	0	5	4629.82	4457.89	57.61 o
5	0	5	18867.82	18324.72	226.28 o
6	0	5	5594.03	5369.94	107.69 o
7	0	5	1366.59	1465.13	36.25 o
8	0	5	1297.31	1262.96	65.98 o
9	0	5	373.56	346.09	25.00 o
10	0	5	800.76	786.24	43.25 o
11	0	5	1522.46	1615.88	144.41 o
12	0	5	910.03	858.39	48.45 o
13	0	5	173.79	103.04	42.48 o
14	0	5	828.33	784.99	71.03 o
15	0	5	519.19	551.32	67.89 o
16	0	5	538.53	427.03	67.26 o
17	0	5	588.95	580.77	76.05 o
0	1	5	712.76	735.25	23.08 o
1	1	5	60.48	64.86	20.27 o
2	1	5	0.37	10.90	8.35 o
3	1	5	389.66	425.82	19.48 o

4	1	5	1507.85	1472.32	38.16 o
5	1	5	1481.02	1554.55	36.16 o
6	1	5	1981.58	1989.69	32.95 o
7	1	5	2333.10	2416.07	64.44 o
8	1	5	901.28	911.61	26.64 o
9	1	5	0.00	9.43	12.58 o
10	1	5	356.87	319.11	45.94 o
11	1	5	27.56	31.24	25.95 o
12	1	5	268.27	263.54	27.36 o
13	1	5	3283.98	3147.69	96.61 o
14	1	5	104.84	148.44	34.12 o
15	1	5	870.86	898.87	56.41 o
16	1	5	45.74	-37.24	38.01 o
17	1	5	362.11	305.35	47.77 o
1	2	5	35.27	59.03	9.91 o
2	2	5	234.54	252.28	13.53 o
3	2	5	4485.75	4406.49	121.54 o
4	2	5	8.96	20.16	13.74 o
5	2	5	4725.92	4739.70	47.97 o
6	2	5	548.17	603.36	28.40 o
7	2	5	81.70	110.91	11.38 o
8	2	5	670.43	688.74	23.47 o
9	2	5	73.03	96.12	38.52 o
10	2	5	672.96	622.30	28.64 o
11	2	5	187.23	137.84	22.45 o
12	2	5	21.05	3.35	22.55 o
13	2	5	10.50	16.37	28.33 o
14	2	5	0.25	3.50	28.29 o
15	2	5	656.86	690.47	51.35 o
16	2	5	634.29	528.82	51.00 o
17	2	5	763.39	794.44	60.35 o
0	3	5	683.40	712.71	21.04 o
1	3	5	439.08	456.70	16.57 o
2	3	5	423.31	418.81	15.84 o
3	3	5	5014.54	4786.61	64.26 o
4	3	5	315.99	272.43	13.63 o
5	3	5	19098.14	18864.59	381.72 o
6	3	5	6081.88	6142.02	113.46 o
7	3	5	888.94	933.85	41.50 o
8	3	5	996.13	921.96	29.65 o
9	3	5	909.44	921.32	64.86 o
10	3	5	4.89	24.14	24.08 o
11	3	5	8443.29	8323.29	103.65 o
12	3	5	1034.05	1075.77	54.08 o
13	3	5	8704.54	8764.51	192.28 o
14	3	5	79.19	0.67	41.31 o
15	3	5	2656.27	2776.34	138.92 o
16	3	5	322.98	330.52	64.44 o
17	3	5	2.84	130.81	59.28 o
1	4	5	3187.77	3154.42	52.10 o
2	4	5	3570.86	3450.60	51.71 o
3	4	5	10323.85	10764.10	88.00 o
4	4	5	9010.11	8901.75	79.62 o
5	4	5	11726.47	11778.47	90.33 o

6	4	5	572.01	608.91	25.61 o
7	4	5	1696.93	1645.10	45.57 o
8	4	5	110.93	123.90	18.40 o
9	4	5	3264.33	3337.56	72.42 o
10	4	5	223.50	323.69	53.12 o
11	4	5	31.41	44.77	25.05 o
12	4	5	3506.80	3424.62	117.44 o
13	4	5	1944.51	2050.82	101.85 o
14	4	5	501.58	522.99	65.09 o
15	4	5	1890.84	1762.76	105.35 o
16	4	5	807.53	757.06	80.14 o
17	4	5	388.02	266.99	63.24 o
0	5	5	1711.55	1639.54	37.17 o
1	5	5	2227.30	2180.28	116.37 o
2	5	5	616.76	625.81	24.49 o
3	5	5	6646.95	6459.28	92.70 o
4	5	5	842.91	872.40	25.96 o
5	5	5	472.66	496.74	20.73 o
6	5	5	483.71	449.05	22.14 o
7	5	5	1290.34	1279.93	42.07 o
8	5	5	1229.49	1295.43	47.68 o
9	5	5	3878.56	4098.57	116.75 o
10	5	5	254.57	216.06	40.10 o
11	5	5	5182.37	4991.72	154.68 o
12	5	5	605.08	591.97	57.77 o
13	5	5	108.66	129.64	44.55 o
14	5	5	131.88	170.67	48.65 o
15	5	5	2161.73	2020.54	111.65 o
16	5	5	161.55	61.86	55.25 o
1	6	5	5010.80	4842.81	85.23 o
2	6	5	446.16	445.87	27.90 o
3	6	5	34.87	46.71	15.04 o
4	6	5	79.78	111.65	18.80 o
5	6	5	16.46	15.76	16.58 o
6	6	5	428.24	487.48	34.99 o
7	6	5	46.60	52.54	22.46 o
8	6	5	752.68	699.75	48.58 o
9	6	5	619.66	629.67	51.80 o
10	6	5	57.58	75.25	36.78 o
11	6	5	3652.93	3693.49	139.85 o
12	6	5	764.97	902.00	68.32 o
13	6	5	3911.18	3935.01	141.90 o
14	6	5	3115.59	3541.32	144.30 o
15	6	5	399.65	476.26	69.80 o
16	6	5	2722.04	2628.39	134.84 o
0	7	5	386.20	439.50	27.46 o
1	7	5	44.31	71.44	16.00 o
2	7	5	537.79	582.58	31.67 o
3	7	5	1600.56	1466.27	53.51 o
4	7	5	2483.20	2520.79	70.77 o
5	7	5	612.53	660.18	40.12 o
6	7	5	860.52	863.74	47.97 o
7	7	5	2550.15	2733.69	91.22 o
8	7	5	1641.21	1555.72	81.94 o

9	7	5	1345.80	1342.83	85.54 o
10	7	5	1889.36	2015.09	108.74 o
11	7	5	2259.53	2476.15	109.11 o
12	7	5	69.91	79.15	42.85 o
13	7	5	252.96	266.73	50.64 o
14	7	5	11.88	100.11	48.15 o
15	7	5	361.99	382.84	62.13 o
16	7	5	25.61	39.67	49.41 o
1	8	5	8313.92	8346.57	121.23 o
2	8	5	6108.92	5969.21	105.96 o
3	8	5	18420.49	18799.54	193.08 o
4	8	5	2496.25	2563.84	80.51 o
5	8	5	1025.43	1085.46	60.32 o
6	8	5	1048.20	1052.49	57.66 o
7	8	5	366.42	319.80	41.15 o
8	8	5	262.54	239.89	41.19 o
9	8	5	964.72	980.63	68.36 o
10	8	5	217.66	260.98	51.74 o
11	8	5	1853.67	2022.25	107.59 o
12	8	5	552.03	345.61	55.88 o
13	8	5	2372.24	2391.09	130.46 o
14	8	5	6474.34	6566.22	202.98 o
15	8	5	733.61	826.84	83.17 o
0	9	5	315.58	372.36	33.24 o
1	9	5	444.80	448.60	35.95 o
2	9	5	85.39	89.19	25.07 o
3	9	5	1678.92	1727.25	74.17 o
4	9	5	781.88	752.09	48.88 o
5	9	5	1301.02	1390.47	66.06 o
6	9	5	87.02	102.49	33.41 o
7	9	5	7032.43	7481.39	166.16 o
8	9	5	456.87	364.58	50.18 o
9	9	5	1302.04	1349.06	82.67 o
10	9	5	106.25	91.31	39.63 o
11	9	5	5294.39	5724.06	169.01 o
12	9	5	246.85	292.04	56.33 o
13	9	5	54.61	147.41	51.67 o
14	9	5	121.34	113.58	55.10 o
15	9	5	1033.38	1122.64	95.73 o
16	9	5	4.65	149.13	56.44 o
1	10	5	238.93	247.99	33.62 o
2	10	5	142.37	112.92	30.04 o
3	10	5	6065.21	6032.12	134.52 o
4	10	5	255.24	240.47	37.47 o
5	10	5	17.08	7.86	29.45 o
6	10	5	276.65	218.63	43.84 o
7	10	5	3462.31	3407.90	126.64 o
8	10	5	1489.23	1544.62	89.67 o
9	10	5	3049.89	3003.02	121.38 o
10	10	5	1525.53	1502.71	85.75 o
11	10	5	548.69	603.78	64.57 o
12	10	5	673.30	604.36	71.44 o
13	10	5	47.51	65.22	48.88 o
14	10	5	976.22	1033.71	90.55 o



15	10	5	1618.83	1524.99	115.67 o
0	11	5	18.72	36.15	29.98 o
1	11	5	931.74	980.05	60.24 o
2	11	5	1505.46	1449.49	83.07 o
3	11	5	7678.25	7525.03	164.24 o
4	11	5	1503.71	1463.58	90.71 o
5	11	5	1795.66	1938.33	102.19 o
6	11	5	445.53	460.30	57.27 o
7	11	5	658.83	671.13	66.81 o
8	11	5	2325.07	2248.05	110.96 o
9	11	5	2556.83	2432.82	117.50 o
10	11	5	1045.49	1053.75	79.03 o
11	11	5	3995.10	3732.67	156.28 o
12	11	5	11.85	-16.00	46.80 o
13	11	5	1127.87	941.92	88.31 o
14	11	5	286.49	219.09	59.32 o
15	11	5	2120.50	2029.68	130.02 o
1	12	5	1020.36	1022.17	67.84 o
2	12	5	1348.29	1324.85	75.92 o
3	12	5	5731.15	5552.91	155.76 o
4	12	5	5279.80	5460.44	160.16 o
5	12	5	4773.76	4841.59	156.88 o
6	12	5	257.40	244.36	48.32 o
7	12	5	2472.28	2518.30	118.12 o
8	12	5	158.76	198.50	47.97 o
9	12	5	824.31	847.88	73.49 o
10	12	5	240.61	266.14	55.89 o
11	12	5	18.39	86.52	47.96 o
12	12	5	1547.48	1470.13	105.70 o
13	12	5	634.58	618.32	79.68 o
14	12	5	35.46	62.52	55.24 o
0	13	5	153.03	212.73	48.46 o
1	13	5	42.33	86.04	41.84 o
2	13	5	326.31	321.24	52.62 o
3	13	5	3557.21	3485.82	123.34 o
4	13	5	98.02	122.02	44.16 o
5	13	5	11493.47	11319.51	109.18 o
6	13	5	1900.14	1913.63	109.63 o
7	13	5	0.72	-28.73	40.34 o
8	13	5	2.86	13.88	43.38 o
9	13	5	975.98	980.85	82.11 o
10	13	5	708.42	642.33	73.56 o
11	13	5	4816.78	4653.69	186.49 o
12	13	5	5.25	-43.62	43.62 o
13	13	5	4153.89	4407.64	201.56 o
1	14	5	285.11	245.82	48.04 o
2	14	5	452.09	543.31	57.32 o
3	14	5	142.59	60.12	43.10 o
4	14	5	259.35	179.83	46.92 o
5	14	5	4723.17	4807.18	157.79 o
6	14	5	11.60	82.71	45.60 o
7	14	5	3777.28	3779.32	147.76 o
8	14	5	6483.99	6628.64	202.68 o
9	14	5	7201.58	7179.31	216.84 o

10	14	5	220.20	194.91	58.92 o
11	14	5	43.22	53.46	49.12 o
12	14	5	52.14	40.78	56.88 o
0	15	5	826.66	860.26	71.80 o
1	15	5	684.62	768.57	68.69 o
2	15	5	270.99	312.41	52.71 o
3	15	5	210.32	225.24	52.37 o
4	15	5	384.35	396.76	60.49 o
5	15	5	19.83	-38.70	38.70 o
6	15	5	980.82	927.44	80.51 o
7	15	5	1740.72	1834.25	110.83 o
8	15	5	642.79	526.50	72.54 o
9	15	5	48.21	45.89	50.76 o
10	15	5	739.87	798.36	87.66 o
11	15	5	14.32	121.61	51.33 o
1	16	5	155.22	160.02	47.73 o
2	16	5	704.28	814.28	76.22 o
3	16	5	3241.10	3497.17	149.77 o
4	16	5	957.03	972.25	83.55 o
5	16	5	6602.29	6829.60	209.25 o
6	16	5	2432.40	2687.11	144.07 o
7	16	5	211.11	295.00	62.44 o
8	16	5	367.90	414.14	65.98 o
9	16	5	329.18	422.16	70.95 o
10	16	5	413.77	370.86	71.01 o
0	17	5	250.83	261.13	55.99 o
1	17	5	49.45	62.62	48.35 o
2	17	5	692.40	694.82	76.65 o
3	17	5	1600.24	1735.76	108.23 o
4	17	5	8.46	58.47	49.21 o
5	17	5	2833.05	2791.14	159.16 o
6	17	5	135.01	70.82	49.75 o
7	17	5	350.73	395.75	69.02 o
8	17	5	13.05	76.64	55.04 o
9	17	5	19.91	16.53	55.48 o
1	18	5	1596.71	1516.86	106.68 o
2	18	5	1287.28	1366.18	104.63 o
3	18	5	6916.81	7049.47	232.23 o
4	18	5	178.35	163.35	57.18 o
5	18	5	696.52	685.10	83.69 o
6	18	5	1419.65	1276.64	105.52 o
7	18	5	1693.21	1596.28	118.39 o
0	19	5	1084.51	1028.60	94.92 o
1	19	5	925.52	794.83	91.36 o
2	19	5	21.94	21.50	51.14 o
3	19	5	2519.25	2466.75	141.02 o
4	19	5	20.49	104.55	55.19 o
1	0	6	7077.34	7089.02	161.01 o
2	0	6	1145.94	1125.97	34.68 o
3	0	6	5905.21	5965.82	238.36 o
4	0	6	10099.48	10063.98	87.31 o
5	0	6	599.10	568.84	26.31 o
6	0	6	1528.35	1557.04	44.94 o
7	0	6	252.39	223.68	22.51 o

8	0	6	15.51	29.50	19.48 o
9	0	6	624.85	667.11	38.52 o
10	0	6	334.66	268.43	33.41 o
11	0	6	657.70	682.07	97.73 o
12	0	6	2717.58	2712.17	119.15 o
13	0	6	816.08	902.82	75.37 o
14	0	6	261.85	235.58	55.56 o
15	0	6	6003.64	6041.54	203.16 o
16	0	6	8434.78	8921.95	252.85 o
1	1	6	432.49	378.48	25.58 o
2	1	6	9769.33	10000.77	68.78 o
3	1	6	1290.97	1242.03	26.93 o
4	1	6	1990.43	1907.51	102.08 o
5	1	6	0.01	-2.24	16.24 o
6	1	6	2162.33	2085.81	75.51 o
7	1	6	19.62	27.31	13.05 o
8	1	6	116.07	127.36	18.00 o
9	1	6	105.40	99.93	20.36 o
10	1	6	1006.76	1040.35	60.04 o
11	1	6	2608.83	2673.46	90.59 o
12	1	6	4742.34	4588.02	104.95 o
13	1	6	759.35	710.57	93.54 o
14	1	6	397.78	360.71	44.20 o
15	1	6	206.33	222.97	88.53 o
16	1	6	905.55	1014.26	66.98 o
0	2	6	4328.06	4265.31	61.55 o
1	2	6	685.90	735.18	20.69 o
2	2	6	1855.50	1858.47	78.51 o
3	2	6	360.84	346.88	16.25 o
4	2	6	1238.11	1236.80	36.38 o
5	2	6	105.25	97.31	18.71 o
6	2	6	1626.95	1544.43	73.79 o
7	2	6	544.76	538.59	35.84 o
8	2	6	3227.38	3234.37	82.41 o
9	2	6	215.83	222.57	23.14 o
10	2	6	556.70	586.56	38.79 o
11	2	6	753.60	900.03	69.41 o
12	2	6	157.89	186.30	34.04 o
13	2	6	200.01	249.51	36.35 o
14	2	6	1863.99	1827.92	87.05 o
15	2	6	30.80	60.39	43.38 o
16	2	6	4213.39	4306.65	132.03 o
1	3	6	423.73	403.52	27.71 o
2	3	6	431.59	441.16	15.83 o
3	3	6	747.04	794.91	47.10 o
4	3	6	3496.87	3544.30	48.31 o
5	3	6	1484.47	1485.59	34.05 o
6	3	6	1065.42	1109.17	33.26 o
7	3	6	2298.49	2273.72	49.47 o
8	3	6	437.94	447.79	25.89 o
9	3	6	1050.70	1060.18	40.32 o
10	3	6	2999.36	3136.38	71.08 o
11	3	6	2995.46	2853.89	113.76 o
12	3	6	5073.83	5094.76	154.42 o

13	3	6	2272.17	2642.66	124.97 o
14	3	6	7628.87	7761.36	208.79 o
15	3	6	96.94	65.71	51.58 o
16	3	6	561.45	434.23	71.85 o
0	4	6	288.79	343.91	18.42 o
1	4	6	12040.85	12233.28	340.32 o
2	4	6	16105.90	15783.45	365.85 o
3	4	6	1864.38	1825.55	59.94 o
4	4	6	2564.81	2619.54	86.56 o
5	4	6	64.98	30.21	19.96 o
6	4	6	2241.19	2385.27	58.42 o
7	4	6	255.93	295.96	26.72 o
8	4	6	2165.07	2225.43	122.99 o
9	4	6	86.89	103.73	26.97 o
10	4	6	2571.98	2420.56	173.28 o
11	4	6	243.97	391.54	51.02 o
12	4	6	1245.84	1356.52	83.37 o
13	4	6	2962.50	2907.57	131.11 o
14	4	6	4587.38	4678.54	168.19 o
15	4	6	262.72	345.72	64.96 o
16	4	6	525.45	450.46	74.35 o
1	5	6	188.26	189.68	16.70 o
2	5	6	10093.90	9657.18	94.61 o
3	5	6	169.64	198.09	18.36 o
4	5	6	6993.30	6716.25	205.19 o
5	5	6	964.59	908.19	37.53 o
6	5	6	94.95	87.14	20.16 o
7	5	6	15.78	37.48	19.52 o
8	5	6	3453.58	3349.36	83.11 o
9	5	6	655.29	675.60	43.45 o
10	5	6	87.45	62.43	45.75 o
11	5	6	747.25	657.42	63.05 o
12	5	6	833.09	947.19	74.65 o
13	5	6	2073.64	2186.38	118.03 o
14	5	6	9817.96	9429.57	239.94 o
15	5	6	7076.06	6614.72	212.77 o
0	6	6	150.06	146.25	23.77 o
1	6	6	14.40	-7.04	18.03 o
2	6	6	592.49	619.88	40.22 o
3	6	6	1178.74	1181.04	60.39 o
4	6	6	316.77	362.95	35.31 o
5	6	6	209.96	280.04	34.19 o
6	6	6	6999.66	6624.80	141.73 o
7	6	6	409.18	369.96	45.01 o
8	6	6	4278.47	4167.90	132.17 o
9	6	6	1049.79	1056.95	73.73 o
10	6	6	4156.52	3966.45	132.59 o
11	6	6	3.31	-33.35	36.34 o
12	6	6	3030.08	2829.68	130.41 o
13	6	6	1744.98	1663.80	99.80 o
14	6	6	1496.64	1420.35	99.79 o
15	6	6	61.51	120.41	53.07 o
1	7	6	13.13	1.74	21.35 o
2	7	6	1147.83	1115.56	62.56 o

3	7	6	1088.96	1099.30	56.07 o
4	7	6	11.40	18.75	28.44 o
5	7	6	69.88	99.74	31.91 o
6	7	6	2139.61	2138.63	94.78 o
7	7	6	0.62	-17.06	28.82 o
8	7	6	131.05	89.44	38.04 o
9	7	6	2860.62	2911.42	113.77 o
10	7	6	4453.31	4490.20	146.10 o
11	7	6	1352.29	1377.02	101.37 o
12	7	6	1844.43	1979.20	105.88 o
13	7	6	645.94	709.19	74.52 o
14	7	6	114.21	39.24	50.76 o
15	7	6	1296.98	1212.45	101.63 o
0	8	6	8110.25	8068.75	148.89 o
1	8	6	3778.61	3718.39	105.82 o
2	8	6	1.04	16.29	26.08 o
3	8	6	5377.83	5589.75	131.74 o
4	8	6	8172.62	8296.36	164.15 o
5	8	6	1958.95	1993.87	92.41 o
6	8	6	3456.92	3496.87	122.63 o
7	8	6	1252.41	1137.11	74.88 o
8	8	6	1349.23	1307.14	99.75 o
9	8	6	56.22	58.66	38.47 o
10	8	6	5813.56	5939.56	169.75 o
11	8	6	10.48	60.88	47.14 o
12	8	6	8489.97	9012.76	227.52 o
13	8	6	1260.96	1121.10	90.85 o
14	8	6	155.44	150.18	56.84 o
1	9	6	31.47	68.78	30.61 o
2	9	6	1198.07	1212.08	67.05 o
3	9	6	2427.01	2505.60	100.52 o
4	9	6	970.38	1058.16	68.12 o
5	9	6	4.75	36.82	37.84 o
6	9	6	5327.79	5502.02	159.80 o
7	9	6	483.33	440.54	56.65 o
8	9	6	2597.35	2638.80	112.63 o
9	9	6	895.06	901.37	70.27 o
10	9	6	3069.70	2931.61	132.08 o
11	9	6	5.35	75.62	45.31 o
12	9	6	1135.18	1197.45	90.73 o
13	9	6	545.07	439.05	72.19 o
14	9	6	664.49	618.50	79.44 o
15	9	6	1458.41	1280.98	110.75 o
0	10	6	1885.83	1912.19	95.97 o
1	10	6	846.49	678.69	57.76 o
2	10	6	343.47	371.63	49.59 o
3	10	6	47.65	82.72	36.88 o
4	10	6	2379.48	2211.91	109.94 o
5	10	6	452.53	514.58	57.42 o
6	10	6	653.21	577.08	65.65 o
7	10	6	2.42	-32.49	39.28 o
8	10	6	7565.89	7465.71	188.49 o
9	10	6	569.71	548.02	63.70 o
10	10	6	3326.37	3492.67	147.04 o

11	10	6	62.93	48.88	48.59 o
12	10	6	1543.24	1536.28	103.81 o
13	10	6	428.75	323.98	66.23 o
14	10	6	1416.14	1216.50	103.78 o
1	11	6	813.53	736.01	66.01 o
2	11	6	14927.54	15370.75	257.43 o
3	11	6	40.97	-6.99	38.51 o
4	11	6	3928.97	4126.08	152.58 o
5	11	6	358.46	357.92	51.37 o
6	11	6	98.80	127.99	44.26 o
7	11	6	282.82	374.64	55.08 o
8	11	6	345.27	483.12	61.50 o
9	11	6	2974.89	2944.50	138.88 o
10	11	6	747.66	609.66	72.41 o
11	11	6	53.15	26.13	50.71 o
12	11	6	21.79	69.02	55.09 o
13	11	6	2018.75	2024.53	128.40 o
14	11	6	6467.22	6643.53	246.43 o
0	12	6	378.39	361.03	52.20 o
1	12	6	6995.88	6643.24	164.50 o
2	12	6	11345.43	11918.83	218.15 o
3	12	6	736.42	688.80	64.07 o
4	12	6	1728.67	1570.83	87.48 o
5	12	6	1.08	1.88	41.45 o
6	12	6	754.18	888.37	73.72 o
7	12	6	46.26	43.67	44.83 o
8	12	6	1468.83	1383.31	92.64 o
9	12	6	0.42	135.00	54.27 o
10	12	6	1352.65	1474.01	101.65 o
11	12	6	443.09	493.28	73.42 o
12	12	6	1442.25	1328.01	106.74 o
13	12	6	2503.28	2291.63	137.34 o
1	13	6	149.87	154.53	44.60 o
2	13	6	296.82	352.27	53.68 o
3	13	6	145.54	117.93	44.16 o
4	13	6	1244.35	1222.47	101.45 o
5	13	6	907.83	867.55	75.19 o
6	13	6	275.32	168.12	51.65 o
7	13	6	763.56	831.91	76.23 o
8	13	6	189.72	278.21	58.44 o
9	13	6	2529.37	2467.66	147.44 o
10	13	6	4649.54	4610.87	189.24 o
11	13	6	385.95	295.59	67.24 o
12	13	6	3137.93	3272.24	182.82 o
0	14	6	4810.25	4546.71	156.34 o
1	14	6	2.14	1.45	39.81 o
2	14	6	4188.18	4388.21	156.52 o
3	14	6	1906.99	1757.90	100.38 o
4	14	6	40.43	35.81	43.72 o
5	14	6	1889.94	2019.74	108.98 o
6	14	6	4485.48	4575.37	170.88 o
7	14	6	84.12	87.06	50.47 o
8	14	6	440.86	356.17	65.80 o
9	14	6	326.61	288.51	63.28 o

10	14	6	398.86	389.56	69.46 o
11	14	6	263.11	297.44	69.06 o
1	15	6	15.30	41.69	43.09 o
2	15	6	1085.05	1165.42	88.31 o
3	15	6	37.01	-11.57	42.75 o
4	15	6	887.52	917.24	82.38 o
5	15	6	128.10	202.15	55.49 o
6	15	6	1409.34	1454.59	100.55 o
7	15	6	80.65	126.40	52.83 o
8	15	6	601.90	628.41	79.43 o
9	15	6	1540.42	1494.29	112.94 o
10	15	6	2043.96	1795.17	125.50 o
0	16	6	8140.65	8434.78	228.52 o
1	16	6	1697.21	1674.22	106.27 o
2	16	6	1580.51	1666.88	107.84 o
3	16	6	1842.19	1903.93	113.07 o
4	16	6	5279.33	5411.42	197.87 o
5	16	6	217.96	197.99	59.21 o
6	16	6	1328.49	1180.55	97.82 o
7	16	6	9.45	37.21	50.27 o
8	16	6	0.10	-46.75	47.23 o
9	16	6	1242.67	1143.86	106.01 o
1	17	6	863.97	1048.05	95.26 o
2	17	6	8368.22	7905.91	240.90 o
3	17	6	373.36	325.15	65.12 o
4	17	6	1724.84	1712.04	116.37 o
5	17	6	12.71	-22.75	53.89 o
6	17	6	1790.72	1662.98	117.31 o
7	17	6	44.26	63.05	52.93 o
0	18	6	2222.41	2349.93	135.57 o
1	18	6	1049.23	1102.90	97.86 o
2	18	6	746.74	792.03	89.64 o
3	18	6	27.93	-11.04	49.60 o
4	18	6	3420.36	3534.67	192.38 o
1	0	7	14966.33	14299.98	407.60 o
2	0	7	689.56	823.59	82.19 o
3	0	7	5926.83	6202.54	87.75 o
4	0	7	615.58	572.41	31.34 o
5	0	7	268.63	254.92	25.88 o
6	0	7	1377.70	1292.49	76.37 o
7	0	7	2070.97	2123.07	70.49 o
8	0	7	1940.04	1823.94	100.31 o
9	0	7	302.92	393.13	40.04 o
10	0	7	1249.18	1205.38	78.16 o
11	0	7	1726.52	1724.74	93.72 o
12	0	7	89.58	127.51	52.21 o
13	0	7	3195.54	3530.45	159.60 o
14	0	7	2992.16	3174.01	165.33 o
15	0	7	8940.77	9305.36	265.50 o
0	1	7	568.16	575.80	22.91 o
1	1	7	309.88	296.54	24.86 o
2	1	7	33.14	5.87	16.32 o
3	1	7	21.65	13.88	13.62 o
4	1	7	744.42	756.69	28.45 o

5	1	7	3546.24	3442.98	72.23 o
6	1	7	1326.53	1388.46	42.21 o
7	1	7	39.65	65.64	19.73 o
8	1	7	15.67	-3.58	20.46 o
9	1	7	7182.08	6938.19	106.01 o
10	1	7	2554.36	2448.74	113.87 o
11	1	7	4055.74	4023.50	103.36 o
12	1	7	1251.50	1239.54	73.27 o
13	1	7	2147.37	2178.80	95.07 o
14	1	7	116.49	133.92	38.38 o
15	1	7	415.50	313.79	49.95 o
1	2	7	11981.32	11330.86	157.34 o
2	2	7	370.59	401.65	35.05 o
3	2	7	6292.67	6246.19	125.44 o
4	2	7	206.29	180.84	19.04 o
5	2	7	691.78	691.42	47.18 o
6	2	7	14.60	-4.65	23.64 o
7	2	7	1100.67	1156.35	42.85 o
8	2	7	541.53	600.51	53.71 o
9	2	7	936.04	993.32	48.86 o
10	2	7	847.77	830.34	48.49 o
11	2	7	1256.07	1291.53	78.66 o
12	2	7	87.62	45.24	32.45 o
13	2	7	8599.23	8633.82	349.11 o
14	2	7	40.39	-1.33	34.55 o
15	2	7	6109.12	6194.39	159.25 o
0	3	7	392.82	399.51	21.46 o
1	3	7	604.92	582.10	24.90 o
2	3	7	33.96	10.34	13.55 o
3	3	7	2117.61	2070.29	47.43 o
4	3	7	272.07	256.56	35.58 o
5	3	7	64.20	62.89	17.95 o
6	3	7	1885.61	1924.89	75.55 o
7	3	7	1793.73	1667.96	55.69 o
8	3	7	111.94	128.20	25.17 o
9	3	7	7080.01	7145.88	167.32 o
10	3	7	3379.50	3138.47	123.45 o
11	3	7	7389.46	7528.19	189.25 o
12	3	7	541.50	551.11	66.06 o
13	3	7	725.31	557.25	72.21 o
14	3	7	39.89	60.69	49.84 o
15	3	7	2004.57	1931.66	123.60 o
1	4	7	1957.77	1994.40	55.34 o
2	4	7	0.03	20.48	14.43 o
3	4	7	192.51	245.79	26.10 o
4	4	7	27.08	40.39	28.82 o
5	4	7	1218.12	1216.10	39.61 o
6	4	7	654.48	606.24	31.44 o
7	4	7	3272.71	3373.38	97.93 o
8	4	7	524.08	592.27	102.96 o
9	4	7	4326.25	4318.97	139.26 o
10	4	7	304.15	259.48	47.41 o
11	4	7	1095.47	1080.97	82.66 o
12	4	7	1985.86	2290.13	126.33 o



13	4	7	1338.64	1386.50	98.02 o
14	4	7	829.18	794.02	82.66 o
0	5	7	1667.23	1659.36	85.83 o
1	5	7	1856.27	1784.03	84.73 o
2	5	7	83.10	85.27	21.61 o
3	5	7	3965.11	4152.28	116.62 o
4	5	7	2590.27	2676.48	72.82 o
5	5	7	380.33	449.66	34.00 o
6	5	7	1172.24	1176.43	51.05 o
7	5	7	0.01	-3.50	25.40 o
8	5	7	15.97	26.90	36.01 o
9	5	7	18.02	-36.25	36.25 o
10	5	7	1744.69	1792.45	95.32 o
11	5	7	11994.93	11748.06	245.62 o
12	5	7	5031.55	5252.90	177.90 o
13	5	7	6347.31	6196.79	203.06 o
14	5	7	116.16	175.05	56.45 o
1	6	7	500.39	557.30	48.69 o
2	6	7	1027.70	966.56	61.42 o
3	6	7	1401.51	1543.93	84.84 o
4	6	7	529.31	588.45	54.05 o
5	6	7	5643.12	5187.20	141.58 o
6	6	7	511.43	577.10	59.26 o
7	6	7	10022.13	9565.88	211.52 o
8	6	7	166.35	145.08	43.97 o
9	6	7	7228.52	7453.74	184.58 o
10	6	7	523.67	614.65	66.44 o
11	6	7	2290.71	2188.89	111.74 o
12	6	7	23.89	-7.47	45.55 o
13	6	7	16.32	47.77	46.95 o
14	6	7	175.21	77.96	52.65 o
0	7	7	12.89	-25.64	29.55 o
1	7	7	255.36	324.00	42.88 o
2	7	7	666.68	601.05	55.57 o
3	7	7	545.43	534.02	53.62 o
4	7	7	432.44	525.91	56.06 o
5	7	7	132.36	160.07	45.80 o
6	7	7	18.37	-35.67	35.67 o
7	7	7	2317.31	2338.14	107.28 o
8	7	7	118.82	130.55	42.09 o
9	7	7	2249.33	2246.73	121.38 o
10	7	7	288.04	346.61	57.97 o
11	7	7	2242.10	2008.46	109.64 o
12	7	7	614.08	729.45	77.84 o
13	7	7	2909.94	2893.53	140.81 o
1	8	7	2168.09	1888.74	103.88 o
2	8	7	764.75	855.21	65.19 o
3	8	7	38.21	165.19	43.00 o
4	8	7	2040.23	2097.88	111.20 o
5	8	7	4495.00	4479.77	154.05 o
6	8	7	91.65	3.37	40.01 o
7	8	7	18959.67	18974.00	282.68 o
8	8	7	106.04	165.21	47.82 o
9	8	7	15363.15	15030.10	273.46 o

10	8	7	291.01	321.58	60.96 o
11	8	7	2755.05	2767.22	149.75 o
12	8	7	262.44	355.51	61.53 o
13	8	7	2642.13	2601.63	160.40 o
0	9	7	2570.55	2550.37	116.77 o
1	9	7	2065.29	2314.41	112.41 o
2	9	7	33.46	95.97	40.73 o
3	9	7	2704.03	2893.38	130.47 o
4	9	7	1760.16	1790.40	88.22 o
5	9	7	5289.10	4891.38	149.17 o
6	9	7	1210.69	1297.55	81.19 o
7	9	7	3.23	47.86	44.49 o
8	9	7	0.24	-16.48	38.46 o
9	9	7	1021.66	1133.89	85.98 o
10	9	7	1873.50	1811.55	108.49 o
11	9	7	4117.69	4089.66	179.38 o
12	9	7	3049.25	3250.81	174.46 o
13	9	7	3643.39	3516.94	184.17 o
14	9	7	61.73	84.31	56.40 o
1	10	7	17.66	-34.32	35.48 o
2	10	7	53.95	0.96	37.60 o
3	10	7	613.88	631.99	61.97 o
4	10	7	1460.00	1515.62	87.38 o
5	10	7	8495.33	8730.70	201.64 o
6	10	7	277.84	362.91	56.28 o
7	10	7	7271.26	7301.92	193.78 o
8	10	7	122.82	79.45	47.01 o
9	10	7	2430.05	2510.94	139.43 o
10	10	7	29.16	12.97	49.26 o
11	10	7	701.25	618.79	77.33 o
12	10	7	106.88	52.26	56.93 o
13	10	7	532.94	421.56	76.14 o
0	11	7	497.92	528.36	61.71 o
1	11	7	2.98	-26.46	40.05 o
2	11	7	388.10	310.67	51.47 o
3	11	7	1581.94	1693.72	90.98 o
4	11	7	338.67	325.68	55.47 o
5	11	7	2063.32	2007.78	118.62 o
6	11	7	301.51	287.50	57.10 o
7	11	7	2621.23	2568.52	143.18 o
8	11	7	246.75	301.49	59.27 o
9	11	7	68.08	75.15	49.07 o
10	11	7	35.75	65.41	54.47 o
11	11	7	3527.78	3433.09	177.19 o
12	11	7	591.27	592.97	83.24 o
1	12	7	3016.63	3039.96	133.72 o
2	12	7	10.17	74.27	44.58 o
3	12	7	1032.32	1048.79	80.09 o
4	12	7	146.44	191.99	48.50 o
5	12	7	1326.10	1278.14	91.26 o
6	12	7	344.79	393.49	64.10 o
7	12	7	1070.42	1166.04	90.33 o
8	12	7	391.08	349.14	66.13 o
9	12	7	1272.56	1277.62	100.23 o

10	12	7	286.14	391.65	68.58 o
11	12	7	9.30	8.48	51.48 o
0	13	7	511.89	593.64	68.76 o
1	13	7	102.26	218.58	53.32 o
2	13	7	531.38	559.30	68.76 o
3	13	7	233.66	138.69	55.02 o
4	13	7	460.64	461.85	66.34 o
5	13	7	3071.10	3155.88	159.26 o
6	13	7	3956.25	4105.20	171.74 o
7	13	7	5164.68	5441.12	200.46 o
8	13	7	8.01	103.48	55.57 o
9	13	7	2445.42	2597.81	163.29 o
10	13	7	4161.76	4433.78	198.46 o
1	14	7	8090.89	8463.57	225.24 o
2	14	7	0.00	18.56	49.88 o
3	14	7	8392.73	8010.35	228.45 o
4	14	7	1199.57	1294.52	98.33 o
5	14	7	125.82	193.85	58.53 o
6	14	7	0.72	-38.12	45.26 o
7	14	7	1466.78	1334.33	105.97 o
8	14	7	1265.13	1232.71	102.15 o
9	14	7	1020.78	810.63	92.39 o
0	15	7	1837.59	1719.51	110.94 o
1	15	7	824.01	892.18	85.94 o
2	15	7	793.54	803.05	82.17 o
3	15	7	2.47	29.50	51.48 o
4	15	7	82.65	160.72	57.27 o
5	15	7	92.76	154.79	54.96 o
6	15	7	420.42	475.06	76.27 o
7	15	7	2284.49	2381.64	158.29 o
8	15	7	410.32	378.43	71.44 o
1	16	7	12264.05	12358.92	297.04 o
2	16	7	697.32	727.24	83.41 o
3	16	7	3066.56	3365.23	174.31 o
4	16	7	89.15	128.90	54.18 o
5	16	7	283.94	331.89	66.70 o
6	16	7	744.90	647.55	85.39 o
0	17	7	1293.20	1051.88	100.18 o
1	17	7	141.11	177.80	64.65 o
2	17	7	136.85	153.41	58.19 o
3	17	7	274.01	288.77	68.09 o
0	0	8	13476.92	13455.92	47.20 o
1	0	8	81.83	104.54	26.02 o
2	0	8	381.39	300.94	53.16 o
3	0	8	3061.84	2998.07	81.86 o
4	0	8	4512.48	4401.33	98.66 o
5	0	8	3368.89	3282.23	146.28 o
6	0	8	1025.29	1083.55	137.67 o
7	0	8	3653.76	3720.07	130.40 o
8	0	8	3.99	21.79	41.45 o
9	0	8	806.89	726.00	68.85 o
10	0	8	499.40	623.01	68.76 o
11	0	8	156.01	69.77	47.54 o
12	0	8	52.56	81.85	53.60 o

13	0	8	3900.25	3686.64	182.73 o
1	1	8	265.89	252.56	25.33 o
2	1	8	495.49	515.61	30.20 o
3	1	8	706.99	754.62	41.09 o
4	1	8	809.87	869.35	40.86 o
5	1	8	1407.68	1416.93	50.05 o
6	1	8	8.33	20.90	23.65 o
7	1	8	2802.97	2879.06	84.25 o
8	1	8	800.97	864.49	71.03 o
9	1	8	2961.75	3033.83	93.08 o
10	1	8	2229.14	2286.50	233.22 o
11	1	8	1901.19	2084.98	80.47 o
12	1	8	347.60	262.38	43.08 o
13	1	8	1250.15	1161.71	69.99 o
0	2	8	56.95	67.02	20.58 o
1	2	8	470.30	501.90	34.10 o
2	2	8	77.94	143.72	22.31 o
3	2	8	46.40	22.74	19.65 o
4	2	8	415.09	389.20	53.70 o
5	2	8	624.53	574.65	35.09 o
6	2	8	498.95	509.59	75.59 o
7	2	8	838.19	822.92	47.00 o
8	2	8	1433.57	1531.32	70.04 o
9	2	8	592.62	617.55	46.10 o
10	2	8	8.55	-5.34	30.41 o
11	2	8	2122.58	2381.41	85.11 o
12	2	8	841.47	939.70	62.20 o
13	2	8	2411.49	2589.61	224.29 o
1	3	8	581.04	526.12	31.81 o
2	3	8	1706.07	1678.11	53.18 o
3	3	8	0.00	-7.96	19.65 o
4	3	8	2060.19	2202.09	106.23 o
5	3	8	7313.05	7605.28	110.43 o
6	3	8	16.25	26.65	42.42 o
7	3	8	5487.04	5318.96	155.90 o
8	3	8	1129.43	1239.92	79.49 o
9	3	8	782.54	778.48	71.50 o
10	3	8	738.63	743.48	70.82 o
11	3	8	477.55	448.11	64.70 o
12	3	8	987.05	984.68	87.90 o
13	3	8	10.53	38.17	47.33 o
0	4	8	79.54	128.21	24.11 o
1	4	8	1268.61	1211.01	44.49 o
2	4	8	92.83	73.22	22.35 o
3	4	8	892.04	901.91	40.24 o
4	4	8	490.05	509.10	65.25 o
5	4	8	408.67	453.01	53.31 o
6	4	8	477.66	545.91	60.99 o
7	4	8	7205.11	7294.02	182.78 o
8	4	8	421.67	502.79	62.28 o
9	4	8	1703.25	1625.31	113.54 o
10	4	8	170.07	197.68	51.11 o
11	4	8	198.40	37.22	49.47 o
12	4	8	1615.50	1622.71	106.49 o

13	4	8	1748.64	1607.94	113.38 o
1	5	8	173.98	186.22	32.02 o
2	5	8	365.98	381.04	36.50 o
3	5	8	6.17	-2.34	41.31 o
4	5	8	3104.40	3101.73	94.89 o
5	5	8	1242.88	1313.28	92.80 o
6	5	8	2699.00	2794.92	119.29 o
7	5	8	7117.22	7463.22	188.54 o
8	5	8	1455.67	1442.73	90.52 o
9	5	8	3729.61	3969.34	156.35 o
10	5	8	0.21	92.44	49.26 o
11	5	8	1518.92	1720.34	106.81 o
12	5	8	1554.38	1564.79	109.08 o
0	6	8	7004.39	6686.63	180.32 o
1	6	8	10.93	20.34	38.17 o
2	6	8	681.83	728.95	68.41 o
3	6	8	1529.68	1493.59	81.79 o
4	6	8	1230.80	1101.59	74.29 o
6	6	8	1574.11	1570.22	100.61 o
7	6	8	617.45	606.72	64.63 o
8	6	8	39.79	46.08	44.54 o
9	6	8	949.14	971.38	81.19 o
10	6	8	20.47	79.63	51.14 o
11	6	8	641.00	681.27	76.50 o
12	6	8	231.41	282.33	65.24 o
1	7	8	1120.14	968.82	70.02 o
2	7	8	281.41	318.79	49.63 o
3	7	8	2691.21	2908.33	119.73 o
4	7	8	207.76	244.19	51.79 o
5	7	8	800.47	935.12	73.30 o
6	7	8	294.77	293.43	52.57 o
7	7	8	2336.92	2152.64	124.79 o
8	7	8	150.52	188.80	52.99 o
9	7	8	3610.75	3317.94	158.81 o
10	7	8	302.80	305.43	61.97 o
11	7	8	1095.48	1051.07	93.72 o
12	7	8	99.82	191.24	56.79 o
0	8	8	51.84	61.65	42.80 o
1	8	8	47.73	182.64	46.37 o
2	8	8	962.08	980.40	73.08 o
3	8	8	737.91	736.09	65.18 o
4	8	8	823.19	725.41	69.73 o
5	8	8	8613.42	8709.68	103.46 o
6	8	8	1641.27	1653.45	96.93 o
7	8	8	78.54	93.66	48.01 o
8	8	8	1403.53	1417.77	94.22 o
9	8	8	2249.64	2438.05	124.70 o
10	8	8	261.93	259.06	63.41 o
11	8	8	1028.89	930.01	92.01 o
1	9	8	265.49	321.33	52.04 o
2	9	8	128.80	87.84	41.94 o
3	9	8	219.83	276.02	50.29 o
4	9	8	889.60	923.73	75.34 o
5	9	8	74.79	59.20	44.40 o

6	9	8	353.43	325.49	61.93 o
7	9	8	2026.35	2026.85	114.77 o
8	9	8	938.48	971.80	87.94 o
9	9	8	3646.85	4052.91	177.26 o
10	9	8	914.12	951.87	92.04 o
11	9	8	34.83	2.89	47.48 o
12	9	8	275.63	251.83	66.89 o
0	10	8	4133.34	4500.23	156.11 o
1	10	8	1487.69	1572.84	93.91 o
2	10	8	551.86	650.20	66.30 o
3	10	8	11.42	52.20	42.46 o
4	10	8	2520.14	2575.26	135.93 o
5	10	8	190.63	269.63	57.23 o
6	10	8	112.85	89.04	49.70 o
7	10	8	10.07	45.98	51.33 o
8	10	8	377.39	406.24	67.24 o
9	10	8	2244.55	2084.39	125.80 o
10	10	8	37.67	59.91	53.89 o
11	10	8	0.08	-37.64	52.34 o
1	11	8	64.24	141.87	49.65 o
2	11	8	2323.38	2024.62	127.78 o
3	11	8	869.45	981.16	82.76 o
4	11	8	736.32	912.37	82.02 o
5	11	8	2425.65	2599.30	128.91 o
6	11	8	2928.79	2727.13	156.63 o
7	11	8	4156.95	4077.72	180.89 o
8	11	8	125.78	118.21	58.24 o
9	11	8	1975.35	2477.66	160.08 o
10	11	8	586.66	576.36	80.06 o
0	12	8	1092.89	1099.48	89.81 o
1	12	8	762.89	770.10	77.82 o
2	12	8	235.28	250.51	60.71 o
3	12	8	60.74	12.63	45.50 o
4	12	8	637.48	649.37	75.14 o
5	12	8	130.31	240.38	59.88 o
6	12	8	987.29	1077.79	94.56 o
7	12	8	3428.88	3672.25	180.12 o
8	12	8	349.52	254.76	65.50 o
9	12	8	1009.76	709.24	88.09 o
1	13	8	1315.78	1421.54	101.98 o
2	13	8	1594.22	1667.10	107.79 o
3	13	8	691.78	812.63	81.67 o
4	13	8	181.56	132.64	57.76 o
5	13	8	2450.28	2255.03	127.74 o
6	13	8	2.32	-2.55	51.86 o
7	13	8	3217.52	2902.19	177.61 o
8	13	8	1437.00	1325.49	111.61 o
0	14	8	9.18	174.00	57.16 o
1	14	8	132.07	177.56	57.08 o
2	14	8	369.89	385.73	71.34 o
3	14	8	684.35	358.76	75.34 o
4	14	8	2.23	59.28	54.42 o
5	14	8	1603.32	1642.45	120.16 o
6	14	8	167.94	158.14	61.52 o

7	14	8	217.50	291.48	69.05 o
1	15	8	766.09	723.76	83.61 o
2	15	8	763.13	760.88	87.52 o
3	15	8	3212.31	3204.63	182.79 o
4	15	8	1054.32	1087.50	100.90 o
5	15	8	1295.16	1085.46	102.98 o
1	0	9	1978.20	1797.43	103.27 o
2	0	9	2902.59	2887.37	124.25 o
3	0	9	11439.45	11114.69	260.41 o
4	0	9	5833.63	5736.62	166.64 o
5	0	9	1348.90	1501.27	89.24 o
6	0	9	107.45	127.18	46.33 o
7	0	9	218.47	248.96	54.59 o
8	0	9	5442.62	5044.91	180.45 o
9	0	9	5705.77	5822.20	194.96 o
10	0	9	5669.44	6241.47	209.54 o
11	0	9	6268.93	6366.88	222.32 o
0	1	9	2870.63	3006.58	137.29 o
1	1	9	69.61	83.99	31.17 o
2	1	9	4502.34	4547.99	137.79 o
3	1	9	1226.70	1320.62	150.34 o
4	1	9	592.62	651.12	46.05 o
5	1	9	711.38	729.25	48.11 o
6	1	9	381.48	451.52	43.28 o
7	1	9	18.68	45.12	31.62 o
8	1	9	63.90	93.19	74.50 o
9	1	9	482.85	498.19	77.89 o
10	1	9	609.20	640.20	55.33 o
11	1	9	14.55	52.00	37.81 o
1	2	9	6354.17	6419.36	121.23 o
2	2	9	687.33	631.25	44.65 o
3	2	9	417.98	525.30	42.31 o
4	2	9	151.97	225.35	52.77 o
5	2	9	66.88	39.65	31.41 o
6	2	9	28.95	-14.21	45.81 o
7	2	9	1816.51	1801.67	71.98 o
8	2	9	0.07	-45.12	48.25 o
9	2	9	3995.30	4245.86	132.32 o
10	2	9	20.62	-13.01	92.59 o
11	2	9	3833.61	4101.43	210.68 o
0	3	9	967.49	1038.19	73.66 o
1	3	9	297.06	391.68	56.72 o
2	3	9	7483.32	7488.49	92.82 o
3	3	9	5526.32	5761.61	83.50 o
4	3	9	1170.78	1172.42	81.52 o
5	3	9	6514.21	6547.48	185.23 o
6	3	9	685.00	836.76	75.69 o
7	3	9	766.86	819.75	77.77 o
8	3	9	361.66	411.97	62.80 o
9	3	9	3638.21	3442.02	146.57 o
10	3	9	184.37	158.39	57.18 o
11	3	9	4848.26	4890.90	195.97 o
1	4	9	4545.11	4490.91	152.78 o
2	4	9	3843.71	3832.19	142.63 o

3	4	9	62.66	94.14	47.29 o
4	4	9	4088.53	3825.72	147.79 o
5	4	9	7300.29	7261.56	193.99 o
6	4	9	1.25	-6.84	42.90 o
7	4	9	1379.57	1418.06	95.81 o
8	4	9	6288.66	6535.25	207.41 o
9	4	9	18.38	109.17	53.36 o
10	4	9	4638.79	4073.73	184.03 o
11	4	9	1994.07	1780.01	117.60 o
0	5	9	9979.77	9778.48	275.93 o
1	5	9	1660.27	1626.40	94.48 o
2	5	9	523.71	643.76	67.94 o
3	5	9	5968.11	6220.30	180.43 o
4	5	9	136.71	137.21	48.60 o
5	5	9	2328.17	2432.48	129.19 o
6	5	9	289.08	297.52	58.55 o
7	5	9	28.76	59.62	48.10 o
8	5	9	3918.27	4242.67	175.28 o
9	5	9	1203.28	1131.67	92.05 o
10	5	9	178.51	234.95	60.22 o
1	6	9	148.40	295.74	54.43 o
2	6	9	873.57	898.44	76.11 o
3	6	9	3559.53	3441.76	148.68 o
4	6	9	477.07	343.28	60.41 o
5	6	9	4244.45	4241.30	165.61 o
6	6	9	43.82	46.61	47.67 o
7	6	9	3777.10	3685.54	167.36 o
8	6	9	108.57	258.11	60.79 o
9	6	9	2500.34	2422.36	156.44 o
10	6	9	659.32	610.72	78.81 o
0	7	9	6341.59	6466.14	188.26 o
1	7	9	287.64	373.67	59.47 o
2	7	9	2426.18	2484.50	116.91 o
3	7	9	316.73	285.38	57.64 o
4	7	9	877.61	902.13	80.59 o
5	7	9	711.65	774.85	77.67 o
7	7	9	27.42	-34.90	44.59 o
8	7	9	63.22	-47.58	47.58 o
9	7	9	302.21	218.18	62.89 o
1	8	9	573.61	625.51	71.42 o
2	8	9	5317.40	5311.98	183.97 o
3	8	9	13225.58	13065.35	284.81 o
4	8	9	1354.76	904.38	111.22 o
5	8	9	2971.16	3092.49	153.11 o
6	8	9	37.91	56.83	50.95 o
7	8	9	1980.56	1916.64	117.55 o
8	8	9	1347.45	1236.91	100.68 o
9	8	9	802.24	688.00	86.71 o
0	9	9	5170.66	5229.97	180.82 o
1	9	9	165.98	270.15	62.10 o
2	9	9	562.91	630.41	73.49 o
3	9	9	1245.11	1127.51	89.84 o
4	9	9	24.50	-47.62	47.62 o
5	9	9	1147.55	1220.16	96.87 o



6	9	9	73.11	91.20	56.30 o
7	9	9	1099.38	1076.09	96.08 o
8	9	9	1380.78	1272.40	105.37 o
9	9	9	245.13	342.33	71.80 o
10	9	9	100.26	11.23	52.84 o
1	10	9	1700.70	1510.06	104.04 o
2	10	9	979.26	1091.27	91.67 o
3	10	9	70.45	32.54	51.34 o
4	10	9	1306.29	1252.98	99.75 o
5	10	9	4393.66	4710.12	195.51 o
6	10	9	3.20	75.67	53.98 o
7	10	9	7683.60	8098.07	249.36 o
8	10	9	1574.23	1559.56	115.18 o
9	10	9	363.73	366.77	72.83 o
0	11	9	8814.59	8460.83	244.73 o
1	11	9	1730.87	1566.74	108.98 o
2	11	9	570.87	523.86	73.30 o
3	11	9	4985.36	5016.71	199.45 o
4	11	9	1041.90	1034.81	93.27 o
5	11	9	3757.74	3875.06	187.48 o
6	11	9	1641.46	1361.03	110.02 o
7	11	9	20.47	91.68	56.01 o
8	11	9	1576.64	1679.55	123.01 o
1	12	9	3190.63	3226.49	171.20 o
2	12	9	1534.58	1313.71	106.22 o
3	12	9	16.50	-31.09	51.38 o
4	12	9	2011.40	1959.16	127.33 o
5	12	9	4781.14	4960.26	214.71 o
6	12	9	25.55	14.60	60.49 o
0	13	9	56.78	226.60	61.22 o
1	13	9	457.36	503.51	77.82 o
2	13	9	2351.16	2132.79	134.39 o
3	13	9	2694.64	2510.89	143.45 o
4	13	9	8.09	-33.26	54.51 o
0	0	10	4473.62	4303.13	168.17 o
1	0	10	9586.28	9349.45	235.14 o
2	0	10	245.89	308.77	61.15 o
3	0	10	150.61	203.36	55.69 o
4	0	10	5231.69	5408.60	185.76 o
5	0	10	575.46	623.18	74.99 o
6	0	10	2336.25	2182.36	121.71 o
7	0	10	3816.85	4067.78	182.90 o
8	0	10	21113.52	21922.47	390.08 o
9	0	10	3468.05	3473.86	161.15 o
1	1	10	55.38	117.29	53.70 o
2	1	10	1066.71	1107.54	61.88 o
3	1	10	83.68	126.48	37.73 o
4	1	10	212.12	282.95	42.28 o
5	1	10	350.93	408.92	46.45 o
6	1	10	486.02	456.82	87.42 o
7	1	10	167.51	245.13	43.27 o
8	1	10	67.96	117.31	43.70 o
0	2	10	23.69	51.72	48.44 o
1	2	10	503.05	509.18	67.21 o

2	2	10	112.16	65.32	44.06 o
3	2	10	1451.40	1503.54	98.53 o
4	2	10	2467.99	2559.20	142.93 o
5	2	10	21.70	-3.95	45.55 o
6	2	10	4809.63	4778.16	188.15 o
7	2	10	526.33	539.63	74.40 o
8	2	10	4645.52	4669.54	196.77 o
1	3	10	311.97	294.69	59.71 o
2	3	10	54.90	141.09	49.70 o
3	3	10	1907.99	1925.85	108.16 o
4	3	10	103.29	51.15	49.08 o
5	3	10	179.55	122.85	52.51 o
6	3	10	139.65	120.48	55.15 o
7	3	10	723.18	713.91	85.24 o
8	3	10	29.29	-41.55	50.56 o
0	4	10	7522.12	6974.47	217.35 o
1	4	10	12284.04	12224.83	136.47 o
2	4	10	660.07	768.72	78.91 o
3	4	10	104.73	174.51	54.57 o
4	4	10	522.13	620.55	73.58 o
5	4	10	3970.06	4222.63	176.80 o
6	4	10	7922.11	8243.03	239.44 o
7	4	10	2154.71	2132.74	123.84 o
8	4	10	4.33	121.17	54.17 o
1	5	10	727.04	713.65	80.71 o
2	5	10	1405.32	1440.26	100.40 o
3	5	10	589.20	489.24	70.46 o
4	5	10	184.91	183.32	53.62 o
5	5	10	221.95	401.77	67.27 o
6	5	10	211.55	132.41	56.66 o
7	5	10	469.55	586.56	79.56 o
0	6	10	5992.27	5932.10	206.09 o
1	6	10	576.36	671.15	77.93 o
2	6	10	8931.76	9307.25	250.72 o
3	6	10	13.63	58.32	51.48 o
4	6	10	1280.38	1351.40	101.87 o
5	6	10	1429.44	1356.14	102.77 o
6	6	10	58.06	30.80	53.41 o
7	6	10	376.00	286.90	65.60 o
1	7	10	67.34	50.13	52.78 o
2	7	10	493.91	431.48	71.26 o
3	7	10	21.18	43.72	51.14 o
4	7	10	39.58	64.40	53.02 o
5	7	10	762.70	725.74	82.93 o
6	7	10	276.39	226.75	64.43 o
0	8	10	5265.10	5371.81	204.53 o
1	8	10	2963.96	2959.38	145.04 o
2	8	10	10103.86	10448.15	276.77 o
3	8	10	4318.80	4569.64	198.64 o
4	8	10	2072.64	2108.43	128.66 o
5	8	10	975.47	1047.84	98.18 o
1	9	10	0.44	165.66	59.52 o
2	9	10	176.07	137.27	60.94 o
3	9	10	0.22	78.13	53.40 o

4	9	10	14.25	12.92	51.28 o
5	9	10	857.16	787.96	88.69 o
6	9	10	462.56	452.95	77.19 o
0	10	10	11250.34	10842.76	296.90 o
1	10	10	387.32	380.29	72.64 o
2	10	10	1927.24	1999.55	126.24 o
3	10	10	48.23	40.78	52.44 o
4	10	10	1390.62	1119.08	104.40 o
5	10	10	328.77	285.23	70.71 o
1	11	10	497.16	255.80	71.98 o
2	11	10	1406.89	1196.16	106.05 o
1	0	11	3066.59	2726.11	144.10 o
2	0	11	4078.30	4054.00	192.90 o
3	0	11	115.19	44.79	55.97 o
4	0	11	12.83	20.44	53.74 o
0	1	11	1895.84	1741.45	82.64 o
1	1	11	60.08	50.17	88.79 o
2	1	11	835.24	880.41	63.59 o
3	1	11	146.39	256.16	112.00 o
4	1	11	8.90	9.14	37.65 o
1	2	11	1062.15	997.08	95.35 o
2	2	11	605.09	506.76	75.14 o
3	2	11	156.47	209.58	64.85 o
0	3	11	386.68	336.88	70.86 o
1	3	11	1173.68	1184.18	104.17 o
2	3	11	1272.98	1297.49	106.89 o
3	3	11	46.53	-24.97	49.36 o
1	4	11	27.23	131.11	59.91 o
2	4	11	895.36	652.35	85.51 o
0	0	12	961.77	764.50	103.30 o

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EUDIDYMITE

# h,k,l, Fc-squared, Fo-squared, sigma(Fo-squared) and status flag

#

data\_eudidymite

\_shelx\_title ' eudidymite'

\_shelx\_refl\_n\_list\_code 4

\_shelx\_F\_calc\_maximum 312.61

\_exptl\_crystal\_F\_000 532.57

\_reflns\_d\_resolution\_high 0.6494

loop\_

\_symmetry\_equiv\_pos\_as\_xyz

'x, y, z'

'-x, y, -z+1/2'

'x+1/2, y+1/2, z'

'-x+1/2, y+1/2, -z+1/2'

'-x, -y, -z'  
'x, -y, z-1/2'  
'-x+1/2, -y+1/2, -z'  
'x+1/2, -y+1/2, z-1/2'

\_cell\_length\_a 12.6188  
\_cell\_length\_b 7.3781  
\_cell\_length\_c 13.9940  
\_cell\_angle\_alpha 90.000  
\_cell\_angle\_beta 103.762  
\_cell\_angle\_gamma 90.000  
  
\_shelx\_F\_squared\_multiplier 1.000

loop\_  
\_refln\_index\_h  
\_refln\_index\_k  
\_refln\_index\_l  
\_refln\_F\_squared\_calc  
\_refln\_F\_squared\_meas  
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4 0 0 23324.00 23248.05 583.60 o  
6 0 0 778.14 617.69 82.17 o  
8 0 0 9009.22 8955.22 225.26 o  
10 0 0 40039.08 40971.81 626.39 o  
12 0 0 11253.60 10432.10 403.85 o  
14 0 0 2761.74 2401.88 272.98 o  
3 1 0 1499.08 1590.87 128.53 o  
5 1 0 2870.36 2962.51 165.27 o  
7 1 0 7472.44 7408.40 291.02 o  
9 1 0 3956.89 4106.01 215.86 o  
11 1 0 255.84 301.46 110.00 o  
13 1 0 3635.31 3179.35 279.72 o  
0 2 0 1740.05 1489.35 128.64 o  
2 2 0 1719.52 1853.80 147.60 o  
4 2 0 5125.67 5287.27 243.31 o  
6 2 0 68.67 54.67 79.13 o  
8 2 0 1007.36 976.54 120.59 o  
10 2 0 1133.03 826.44 122.82 o  
12 2 0 902.37 721.34 158.74 o  
16 2 0 274.80 176.14 240.75 o  
18 2 0 7948.30 9010.30 596.07 o  
1 3 0 4829.58 5156.57 235.81 o  
3 3 0 983.07 959.75 115.43 o  
5 3 0 1086.76 1278.76 126.25 o  
7 3 0 1523.29 1761.63 140.81 o  
9 3 0 8853.74 8913.35 300.26 o  
11 3 0 3969.12 4338.39 266.13 o  
13 3 0 8613.83 8514.12 432.76 o  
15 3 0 4787.20 3754.66 374.34 o  
17 3 0 1273.60 899.10 300.04 o  
0 4 0 465.45 584.75 105.29 o  
2 4 0 480.25 707.10 105.27 o

4	4	0	14322.10	14454.53	353.03 o
6	4	0	294.43	299.56	91.52 o
8	4	0	14128.38	14790.17	368.41 o
10	4	0	21.89	15.71	119.07 o
12	4	0	4497.94	4032.75	319.99 o
14	4	0	15681.57	16777.22	682.70 o
16	4	0	111.65	598.73	295.86 o
1	5	0	963.49	753.83	132.39 o
3	5	0	2205.12	2313.02	175.86 o
5	5	0	72.82	102.71	92.33 o
7	5	0	12892.57	12776.43	419.12 o
9	5	0	18854.85	19246.06	603.02 o
11	5	0	5.10	-155.16	155.16 o
13	5	0	1809.36	1342.40	267.49 o
15	5	0	6681.34	5529.60	471.18 o
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4	6	0	200.85	118.37	110.65 o
6	6	0	4949.61	4627.81	59.82 o
8	6	0	0.46	36.76	210.84 o
10	6	0	26.26	268.20	199.72 o
12	6	0	17097.61	17985.72	717.42 o
14	6	0	652.77	1307.29	313.30 o
16	6	0	1769.29	1765.32	375.69 o
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3	7	0	1200.97	1220.07	187.66 o
5	7	0	1429.73	1928.42	246.13 o
7	7	0	10561.43	10893.78	532.75 o
9	7	0	2913.64	2749.64	283.41 o
11	7	0	56.15	511.67	240.43 o
13	7	0	628.97	1151.21	324.66 o
0	8	0	8424.85	8588.77	367.13 o
2	8	0	4917.89	4617.13	361.62 o
4	8	0	2597.49	2925.56	322.22 o
6	8	0	365.26	479.60	234.07 o
8	8	0	11122.65	10746.50	583.51 o
10	8	0	94.13	308.47	267.87 o
12	8	0	4666.77	4646.48	454.55 o
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3	9	0	196.10	-64.78	199.12 o
5	9	0	2922.69	2883.93	326.67 o
7	9	0	671.26	1105.62	291.02 o
9	9	0	1334.89	1566.91	352.54 o
11	9	0	4380.69	4612.19	489.55 o
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2	10	0	1758.23	1848.58	326.40 o
4	10	0	203.05	185.43	252.33 o
6	10	0	3077.00	3776.83	417.00 o
8	10	0	3.35	-273.63	273.63 o
1	11	0	558.50	275.26	298.69 o
3	11	0	13702.24	12060.80	770.57 o
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-11	1	1	5975.98	5412.32	269.88 o
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-7	1	1	5138.38	4846.91	223.47 o
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-3	1	1	3207.30	3208.53	136.80 o
1	1	1	886.47	224.67	314.01 o
3	1	1	197.29	100.65	104.29 o
5	1	1	951.77	744.81	111.19 o
7	1	1	9867.55	9978.59	326.08 o
9	1	1	780.95	555.91	108.42 o
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-10	2	1	12141.95	11803.42	330.70 o
-8	2	1	854.36	730.30	108.91 o
-6	2	1	29023.17	29581.15	481.67 o
-4	2	1	12575.60	12557.56	114.32 o
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2	2	1	22557.95	22445.57	404.99 o
4	2	1	957.26	1187.30	126.41 o
6	2	1	1884.58	2247.32	152.22 o
8	2	1	203.20	191.46	86.19 o
10	2	1	5.89	-91.14	91.14 o
12	2	1	642.37	714.92	173.64 o
14	2	1	59.42	-173.04	173.04 o
16	2	1	8159.13	7977.89	520.74 o
18	2	1	324.30	577.48	322.27 o
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-15	3	1	485.06	228.58	226.89 o
-13	3	1	1107.90	1070.29	222.38 o
-11	3	1	349.88	324.39	132.28 o
-9	3	1	1063.00	1150.94	125.05 o
-7	3	1	221.82	414.55	94.62 o
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-3	3	1	609.63	798.94	109.45 o
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3	3	1	88.50	181.41	88.58 o
5	3	1	39.36	67.55	81.36 o
7	3	1	937.61	1070.45	119.02 o
9	3	1	2565.14	2493.89	167.49 o
11	3	1	2297.69	2221.88	206.62 o
13	3	1	313.13	593.95	184.34 o
15	3	1	25703.22	28026.53	871.82 o
17	3	1	626.64	948.45	314.23 o
-16	4	1	9274.20	8942.92	563.84 o
-14	4	1	798.50	1004.32	244.77 o
-12	4	1	985.72	764.54	194.61 o
-10	4	1	4321.23	4241.87	248.74 o
-8	4	1	639.02	610.41	103.20 o
-6	4	1	19917.42	19821.96	410.53 o
-4	4	1	2375.64	2401.28	158.91 o

-2	4	1	16487.00	17579.26	381.94 o
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2	4	1	1094.83	1376.97	128.96 o
4	4	1	276.80	288.25	92.06 o
6	4	1	810.81	856.93	116.68 o
8	4	1	6532.60	5774.38	266.84 o
10	4	1	14097.45	14088.89	470.04 o
12	4	1	871.26	747.80	199.99 o
14	4	1	6228.30	5455.47	406.35 o
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-11	5	1	706.37	1018.50	215.81 o
-9	5	1	3596.50	3870.42	286.68 o
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3	5	1	3135.71	3539.83	213.04 o
5	5	1	12900.81	14133.07	407.60 o
7	5	1	8405.07	8999.05	372.60 o
9	5	1	155.19	100.49	143.64 o
11	5	1	3581.11	3710.21	307.60 o
13	5	1	2931.48	2811.59	315.64 o
15	5	1	11066.08	12577.90	660.85 o
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6	6	1	11.75	4.51	81.60 o
8	6	1	6095.48	6311.67	556.12 o
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-13	7	1	14020.62	16133.71	736.61 o
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-5	7	1	503.87	299.83	176.08 o
-3	7	1	3330.47	3481.90	269.50 o
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3	7	1	3873.89	3529.72	278.52 o
5	7	1	3559.46	3351.52	298.69 o
7	7	1	1248.51	1357.29	255.59 o

9	7	1	9767.36	9872.72	538.24 o
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3	9	1	463.40	902.47	235.70 o
5	9	1	15453.41	15086.03	664.71 o
7	9	1	6349.59	6883.25	486.89 o
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-6	0	2	7098.07	7282.75	283.25 o
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6	0	2	185.58	122.99	95.21 o
8	0	2	901.95	843.02	120.43 o
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12	0	2	15137.02	15924.48	539.82 o
14	0	2	19768.23	20439.99	731.50 o



-13	1	2	230.72	60.05	151.68 o
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7	1	2	3211.36	3192.67	186.03 o
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-14	2	2	1920.78	1533.97	231.24 o
-12	2	2	1099.99	1023.17	164.29 o
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-6	2	2	14777.94	15443.90	361.56 o
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9	3	2	15396.38	16738.09	407.49 o
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15	3	2	3744.21	3703.63	381.35 o
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6	4	2	118.15	227.71	93.26 o
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9	5	2	35.79	152.11	166.30 o
11	5	2	347.56	819.05	199.29 o
13	5	2	8605.91	8457.01	499.82 o
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-2	6	2	196.43	150.10	102.22 o
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2	6	2	38392.81	36868.25	634.82 o
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8	6	2	993.90	901.46	143.67 o
10	6	2	14809.27	15360.15	717.26 o
12	6	2	23502.15	23194.73	832.31 o
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-13	7	2	1502.54	2289.93	350.31 o
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-9	7	2	368.19	394.17	224.78 o
-7	7	2	3433.45	4114.97	348.79 o
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-3	7	2	145.09	222.00	147.93 o
-1	7	2	41.92	325.48	137.93 o
1	7	2	6533.50	6826.63	362.87 o
3	7	2	1367.32	1567.07	205.48 o
5	7	2	6872.54	6813.96	403.63 o

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13	7	2	2547.24	2103.68	367.92	o
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-6	8	2	7331.19	6582.07	469.44	o
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0	8	2	1616.40	1735.66	218.34	o
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4	8	2	7474.36	7506.11	459.06	o
6	8	2	2005.49	2277.53	276.78	o
8	8	2	72.22	113.69	229.56	o
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-9	9	2	13006.12	13100.28	668.02	o
-7	9	2	4737.34	5323.47	447.32	o
-5	9	2	6973.07	6884.18	446.13	o
-3	9	2	7141.92	6578.48	418.14	o
-1	9	2	3819.55	3427.71	331.35	o
1	9	2	6592.37	5932.42	400.10	o
3	9	2	4978.06	4624.20	374.39	o
5	9	2	11107.03	12372.10	643.29	o
7	9	2	40.37	49.89	245.26	o
9	9	2	2181.69	1476.26	344.28	o
-8	10	2	926.85	492.05	307.60	o
-6	10	2	6.70	83.58	264.88	o
-4	10	2	4225.41	4745.39	445.69	o
-2	10	2	362.12	176.73	254.72	o
0	10	2	48.01	101.51	183.38	o
2	10	2	7880.09	7661.49	529.38	o
4	10	2	30.95	-237.76	259.56	o
6	10	2	4671.91	4746.10	449.93	o
8	10	2	6.60	73.58	306.35	o
-3	11	2	6.28	667.59	305.26	o
-1	11	2	274.14	309.07	296.95	o
1	11	2	4588.25	4469.37	469.28	o
3	11	2	14118.02	12983.00	722.04	o
-13	1	3	104.98	-142.88	142.88	o
-11	1	3	12848.29	13143.27	397.81	o
-9	1	3	1060.81	936.33	125.70	o
-7	1	3	1471.31	1484.08	140.86	o
-5	1	3	603.51	524.33	100.76	o
-3	1	3	999.65	1327.13	134.89	o
-1	1	3	10894.07	10924.92	289.99	o
1	1	3	9422.95	9020.09	279.83	o
3	1	3	3386.50	3530.43	188.15	o
5	1	3	4.40	77.33	81.95	o
7	1	3	261.93	157.98	88.53	o
9	1	3	10104.60	10556.50	347.76	o
11	1	3	4746.37	4455.51	280.26	o

13	1	3	6976.46	6681.63	405.48 o
-18	2	3	35.37	412.76	274.50 o
-16	2	3	3934.89	3079.25	331.95 o
-14	2	3	6499.26	6335.50	376.13 o
-12	2	3	4119.47	3682.00	249.77 o
-10	2	3	1993.43	1857.66	142.93 o
-8	2	3	7475.98	7827.62	273.74 o
-6	2	3	3553.34	4085.08	194.23 o
-2	2	3	2639.89	2744.10	166.08 o
0	2	3	1352.93	1537.29	97.16 o
2	2	3	1085.80	1104.58	123.96 o
4	2	3	40.60	68.31	85.70 o
6	2	3	1091.19	1155.83	124.34 o
8	2	3	363.88	264.28	93.09 o
10	2	3	4758.20	4351.33	242.22 o
12	2	3	71.95	67.01	161.73 o
14	2	3	46.89	391.29	204.78 o
16	2	3	7864.21	7189.87	517.32 o
-17	3	3	786.23	1072.14	316.78 o
-15	3	3	3337.08	3524.99	337.65 o
-13	3	3	333.35	213.47	175.92 o
-11	3	3	4677.09	4178.99	246.51 o
-9	3	3	2403.33	2438.45	163.53 o
-7	3	3	141.93	22.77	82.55 o
-5	3	3	31.77	33.69	77.23 o
-3	3	3	23.51	-50.05	81.52 o
-1	3	3	1400.56	1422.40	132.77 o
1	3	3	1752.30	1716.68	140.10 o
3	3	3	8690.17	9311.49	298.36 o
5	3	3	6913.96	6543.75	260.32 o
7	3	3	27438.37	27561.71	489.93 o
9	3	3	349.04	391.24	111.84 o
11	3	3	7402.06	7347.42	368.03 o
13	3	3	393.42	567.48	199.99 o
15	3	3	195.46	721.66	277.60 o
17	3	3	9635.74	9544.69	619.60 o
-18	4	3	979.88	1181.48	357.27 o
-16	4	3	4042.06	3674.39	398.85 o
-14	4	3	1487.62	1894.99	276.19 o
-10	4	3	3282.58	2640.19	207.44 o
-8	4	3	6273.24	6474.95	266.30 o
-6	4	3	10585.29	11253.87	322.00 o
-4	4	3	345.60	424.12	95.32 o
-2	4	3	2.92	94.29	81.36 o
0	4	3	609.64	735.75	75.18 o
2	4	3	6919.73	6954.88	263.25 o
4	4	3	13635.58	13682.43	353.14 o
6	4	3	3370.61	3758.41	191.52 o
8	4	3	3062.93	2901.16	202.44 o
10	4	3	1017.63	1444.84	199.23 o
12	4	3	637.13	103.47	201.41 o
14	4	3	506.85	463.19	243.96 o
-17	5	3	263.90	471.94	314.34 o
-15	5	3	2795.68	2790.07	366.84 o

-11	5	3	4407.14	4846.69	334.66 o
-9	5	3	175.44	68.20	141.95 o
-7	5	3	29.99	166.57	116.46 o
-5	5	3	2455.45	2397.86	185.37 o
-3	5	3	22593.82	24284.70	517.92 o
-1	5	3	154.67	47.06	94.73 o
1	5	3	10885.18	11510.71	374.06 o
3	5	3	4579.02	4807.29	243.80 o
5	5	3	6612.51	6102.68	296.89 o
7	5	3	3657.26	3327.66	244.39 o
9	5	3	4747.06	5351.73	365.97 o
11	5	3	2443.93	2350.52	291.62 o
13	5	3	1371.59	1251.05	304.34 o
15	5	3	23.63	-39.51	263.14 o
-16	6	3	544.50	312.44	314.45 o
-14	6	3	4644.03	4438.33	426.83 o
-12	6	3	3187.09	2837.95	310.15 o
-10	6	3	1579.22	1663.64	270.26 o
-8	6	3	3651.96	3731.82	205.21 o
-6	6	3	11319.86	11211.13	758.29 o
-4	6	3	3627.55	3460.48	223.63 o
-2	6	3	14714.01	16258.27	434.33 o
0	6	3	1844.88	1776.50	167.28 o
2	6	3	6683.50	6995.37	319.01 o
4	6	3	1989.07	1583.32	184.18 o
6	6	3	187.79	114.57	95.42 o
8	6	3	367.53	444.56	182.30 o
10	6	3	11485.06	11938.52	579.66 o
12	6	3	1587.87	1411.69	292.71 o
14	6	3	1888.07	1979.99	349.55 o
-15	7	3	1608.25	1496.58	358.14 o
-13	7	3	3684.18	3300.00	399.50 o
-11	7	3	1817.93	2339.76	312.38 o
-9	7	3	5057.56	4967.07	417.21 o
-7	7	3	4197.48	3959.65	339.93 o
-5	7	3	6721.83	6925.21	399.12 o
-3	7	3	1811.10	1905.54	219.34 o
-1	7	3	5016.80	4731.53	297.06 o
1	7	3	21029.28	21044.04	638.84 o
3	7	3	396.22	443.08	168.26 o
5	7	3	4759.11	5055.54	364.55 o
7	7	3	4.69	-85.87	171.19 o
9	7	3	3679.91	4097.85	343.96 o
11	7	3	2246.13	3217.34	370.31 o
13	7	3	5581.55	4780.66	607.21 o
-12	8	3	2.88	-143.96	245.54 o
-10	8	3	5136.70	6327.18	470.75 o
-8	8	3	875.63	1449.95	261.62 o
-6	8	3	150.61	238.58	220.10 o
-4	8	3	1252.04	1195.40	249.67 o
-2	8	3	722.85	440.26	212.98 o
0	8	3	3395.64	3022.09	371.32 o
2	8	3	732.75	838.83	239.50 o
4	8	3	1055.80	1172.57	255.97 o

6	8	3	217.53	775.30	228.85 o
8	8	3	1319.36	1547.45	279.61 o
10	8	3	9528.11	9596.64	581.83 o
12	8	3	192.30	400.86	301.67 o
-11	9	3	1661.93	1784.40	371.02 o
-9	9	3	133.23	470.04	294.12 o
-7	9	3	735.08	361.29	258.74 o
-5	9	3	74.29	604.93	230.64 o
-3	9	3	3286.44	2985.72	324.66 o
-1	9	3	8296.91	8089.74	457.92 o
1	9	3	3251.33	3043.54	310.75 o
3	9	3	746.96	1061.76	254.72 o
5	9	3	380.29	106.25	243.85 o
7	9	3	1.93	-180.75	220.16 o
9	9	3	5764.05	6475.88	515.04 o
-8	10	3	16914.10	15024.08	755.08 o
-6	10	3	604.61	454.60	295.10 o
-4	10	3	2117.42	2384.43	349.45 o
-2	10	3	1247.83	1643.53	316.95 o
0	10	3	2349.73	2265.76	435.12 o
2	10	3	232.73	218.85	266.30 o
4	10	3	709.38	727.91	303.20 o
6	10	3	7576.88	7535.13	551.50 o
-3	11	3	1071.71	1285.01	342.33 o
-1	11	3	5176.02	4736.80	477.81 o
1	11	3	1313.35	659.54	309.66 o
3	11	3	21.50	228.25	306.19 o
-12	0	4	3017.97	2481.49	209.56 o
-10	0	4	1590.79	1456.37	146.84 o
-8	0	4	1109.31	1013.50	126.52 o
-6	0	4	8834.98	9152.31	310.64 o
-4	0	4	9748.98	10004.08	318.41 o
-2	0	4	7.16	190.37	110.16 o
2	0	4	48.16	203.25	105.38 o
4	0	4	3771.74	3572.38	190.65 o
6	0	4	52598.05	52110.75	676.17 o
8	0	4	369.46	165.65	97.93 o
10	0	4	557.44	811.50	142.17 o
12	0	4	16326.29	16763.09	600.47 o
-15	1	4	3178.42	2558.23	297.71 o
-13	1	4	74.73	60.27	144.94 o
-11	1	4	5534.50	4755.50	243.74 o
-9	1	4	616.81	721.06	122.71 o
-7	1	4	9.32	-27.93	83.37 o
-5	1	4	3873.50	3457.01	179.78 o
-3	1	4	2458.59	2636.16	163.15 o
3	1	4	10840.60	11800.49	328.41 o
5	1	4	16153.29	16401.42	374.39 o
7	1	4	4081.70	3940.90	211.84 o
9	1	4	2291.19	2423.24	184.29 o
11	1	4	1400.28	1598.64	206.13 o
13	1	4	4959.47	4416.43	357.00 o
-18	2	4	2039.03	2023.68	367.38 o
-16	2	4	1508.70	934.15	255.15 o

-14	2	4	4096.08	3507.93	341.18 o
-12	2	4	186.32	370.69	134.89 o
-10	2	4	5040.74	4844.84	216.19 o
-8	2	4	31953.92	31476.64	505.58 o
-6	2	4	1632.37	1512.40	132.71 o
-4	2	4	16270.33	15909.32	374.72 o
-2	2	4	14.55	41.47	90.38 o
0	2	4	12242.37	12198.83	227.55 o
2	2	4	15710.40	16093.33	373.47 o
4	2	4	2084.09	1982.27	147.88 o
6	2	4	3337.78	3313.15	190.16 o
8	2	4	558.99	528.19	99.67 o
10	2	4	61.26	45.71	114.51 o
12	2	4	3080.22	3258.86	301.02 o
14	2	4	1209.58	1144.53	264.77 o
16	2	4	0.09	409.55	282.11 o
-17	3	4	2247.85	2553.88	371.84 o
-13	3	4	1140.68	963.88	210.21 o
-11	3	4	4282.36	3696.18	232.98 o
-9	3	4	21732.13	21395.17	433.46 o
-7	3	4	204.61	131.63	85.60 o
-5	3	4	120.29	180.59	87.71 o
-3	3	4	138.55	85.16	84.67 o
-1	3	4	24309.29	25549.17	455.80 o
1	3	4	4893.36	4776.26	235.43 o
3	3	4	5387.61	5425.75	244.72 o
5	3	4	2572.39	2606.38	165.48 o
7	3	4	930.22	1286.91	126.08 o
9	3	4	65.07	73.48	107.01 o
11	3	4	1643.29	2238.62	238.52 o
13	3	4	1312.24	1505.01	255.37 o
15	3	4	15324.21	15270.15	768.56 o
-18	4	4	3097.22	2586.33	416.62 o
-16	4	4	723.67	593.13	286.89 o
-14	4	4	643.76	509.71	220.43 o
-12	4	4	697.82	749.81	187.71 o
-10	4	4	6686.50	6761.68	302.98 o
-8	4	4	14117.18	13894.60	361.78 o
-6	4	4	8549.65	9068.67	300.26 o
-4	4	4	37.16	3.64	83.20 o
-2	4	4	205.84	334.77	85.49 o
0	4	4	1000.57	1105.43	129.75 o
2	4	4	940.38	833.99	112.39 o
4	4	4	11427.35	12378.67	337.82 o
6	4	4	2368.19	2384.87	160.59 o
8	4	4	688.18	759.38	133.53 o
10	4	4	1968.82	1721.25	231.84 o
12	4	4	1.18	211.46	192.11 o
16	4	4	2772.32	2135.42	391.67 o
-17	5	4	121.32	-61.85	304.66 o
-15	5	4	2035.95	2372.04	346.46 o
-13	5	4	2637.26	2360.09	297.22 o
-11	5	4	142.96	-151.68	151.68 o
-9	5	4	1589.82	1733.26	210.81 o

-7	5	4	325.18	461.07	117.99 o
-5	5	4	2947.44	2837.46	190.32 o
-3	5	4	10681.27	11044.37	367.43 o
-1	5	4	156.22	123.69	105.38 o
1	5	4	750.03	905.79	132.82 o
3	5	4	17594.29	17210.69	451.67 o
5	5	4	4298.76	4313.50	250.64 o
9	5	4	2526.80	2417.37	288.96 o
11	5	4	369.14	629.27	191.95 o
13	5	4	2731.32	2793.77	362.16 o
15	5	4	3398.56	3883.89	444.39 o
-16	6	4	6795.88	6842.49	560.31 o
-14	6	4	575.08	519.28	275.91 o
-12	6	4	5861.43	6576.80	421.13 o
-10	6	4	579.94	257.11	203.80 o
-8	6	4	11.80	-47.42	190.27 o
-6	6	4	16629.78	16952.88	351.67 o
-4	6	4	5957.53	5784.54	301.13 o
-2	6	4	10831.92	10465.04	370.97 o
0	6	4	402.44	334.47	85.06 o
2	6	4	5.20	-26.63	103.53 o
4	6	4	3269.22	3505.76	253.47 o
6	6	4	13549.39	14741.04	434.74 o
8	6	4	433.88	424.14	139.17 o
10	6	4	104.12	393.63	220.05 o
12	6	4	15082.93	14226.27	734.22 o
14	6	4	4879.88	4298.61	459.60 o
-15	7	4	2408.78	2756.43	411.62 o
-13	7	4	704.12	575.58	277.33 o
-11	7	4	440.57	579.27	233.36 o
-9	7	4	1789.24	1706.25	292.16 o
-7	7	4	22.40	77.06	184.89 o
-5	7	4	2422.88	2699.75	273.80 o
-3	7	4	12.31	184.72	145.27 o
-1	7	4	217.73	233.31	150.38 o
1	7	4	4043.06	4015.52	305.26 o
3	7	4	3160.08	3392.28	303.20 o
5	7	4	1559.62	919.15	227.60 o
7	7	4	5769.09	5705.03	437.92 o
9	7	4	1757.57	1776.84	286.57 o
11	7	4	3631.01	3896.83	410.91 o
13	7	4	634.50	921.38	346.46 o
-12	8	4	4097.23	3565.10	421.02 o
-10	8	4	1836.75	2092.87	339.93 o
-8	8	4	6372.80	6728.80	431.67 o
-6	8	4	13566.77	13010.88	536.02 o
-4	8	4	8168.06	8603.25	489.71 o
-2	8	4	734.38	968.12	249.01 o
0	8	4	2269.25	2526.93	217.14 o
2	8	4	1.87	-46.85	188.25 o
4	8	4	0.24	-179.94	179.94 o
6	8	4	29.76	192.66	212.33 o
8	8	4	0.75	1.36	219.12 o
10	8	4	25.26	459.82	288.47 o



12	8	4	5201.17	4612.95	490.96 o
-11	9	4	25.18	-127.93	276.89 o
-9	9	4	3836.61	3845.31	416.51 o
-7	9	4	283.16	-182.22	245.05 o
-5	9	4	108.07	208.63	224.67 o
-3	9	4	1836.46	1600.76	273.47 o
-1	9	4	2666.59	2310.52	295.10 o
1	9	4	9868.66	10498.24	582.54 o
3	9	4	17350.56	17384.70	713.56 o
5	9	4	498.86	297.22	261.35 o
7	9	4	334.33	214.40	272.27 o
9	9	4	1341.42	760.95	321.57 o
-8	10	4	1611.65	1451.20	346.62 o
-6	10	4	3049.52	2811.76	385.04 o
-4	10	4	9051.49	9043.73	564.87 o
-2	10	4	8987.07	9574.25	565.58 o
0	10	4	1008.85	1228.65	215.26 o
2	10	4	70.83	458.84	260.86 o
4	10	4	18577.80	17742.19	781.01 o
6	10	4	546.80	915.40	313.20 o
-3	11	4	18.77	342.87	310.91 o
-1	11	4	132.43	643.67	301.95 o
1	11	4	31.21	123.47	281.89 o
-17	1	5	601.43	1092.84	289.94 o
-13	1	5	4219.77	3977.26	300.59 o
-11	1	5	598.90	545.15	125.59 o
-9	1	5	182.69	208.15	91.68 o
-7	1	5	10.82	190.37	85.60 o
-5	1	5	6530.12	6825.05	264.01 o
-3	1	5	1412.15	1651.69	138.80 o
-1	1	5	9230.94	10020.87	306.78 o
1	1	5	1219.86	1020.56	125.05 o
3	1	5	516.47	567.54	111.95 o
5	1	5	598.11	492.05	113.47 o
7	1	5	1056.03	1068.28	131.79 o
9	1	5	3778.37	3159.35	213.04 o
11	1	5	1257.96	1288.76	205.97 o
-18	2	5	12.59	133.42	251.51 o
-16	2	5	5504.66	4463.93	379.12 o
-14	2	5	10.32	-47.55	160.21 o
-12	2	5	1099.80	964.70	155.54 o
-10	2	5	12136.01	11982.98	332.27 o
-8	2	5	2891.74	2925.01	169.23 o
-6	2	5	325.90	256.46	90.65 o
-4	2	5	290.41	377.38	101.95 o
-2	2	5	1806.88	1827.98	144.02 o
0	2	5	26.70	51.76	119.83 o
2	2	5	13405.86	13550.70	349.77 o
4	2	5	2003.41	2154.06	150.92 o
6	2	5	10787.58	10864.92	326.24 o
8	2	5	3067.90	3130.01	186.57 o
10	2	5	115.62	224.07	132.71 o
12	2	5	253.55	543.62	192.82 o
14	2	5	12976.17	13750.26	624.54 o

16	2	5	523.58	947.31	309.45 o
-17	3	5	1295.38	1067.57	311.57 o
-15	3	5	106.27	371.18	219.94 o
-13	3	5	409.91	150.81	171.52 o
-11	3	5	174.78	421.67	133.91 o
-9	3	5	7787.82	8150.28	276.24 o
-7	3	5	3452.34	3292.66	182.82 o
-5	3	5	3835.02	4383.61	198.47 o
-3	3	5	9722.21	9595.28	297.16 o
-1	3	5	2767.84	2802.57	167.93 o
1	3	5	2751.05	2714.53	161.79 o
3	3	5	14639.63	14537.73	356.62 o
5	3	5	1144.88	1178.22	130.76 o
7	3	5	101.82	177.77	87.99 o
9	3	5	395.71	396.07	135.21 o
11	3	5	193.21	258.42	178.53 o
13	3	5	5914.99	5682.75	407.05 o
15	3	5	4309.34	5065.32	454.55 o
-18	4	5	57.24	753.94	328.96 o
-16	4	5	699.14	818.72	285.26 o
-14	4	5	1313.41	1388.92	264.61 o
-12	4	5	643.01	651.45	190.16 o
-10	4	5	1109.44	1450.93	167.28 o
-8	4	5	5975.49	5833.99	257.55 o
-6	4	5	7967.02	8188.16	290.81 o
-4	4	5	8058.70	7716.98	276.40 o
-2	4	5	92.50	185.32	87.01 o
0	4	5	4162.73	4543.97	161.29 o
2	4	5	11272.30	12248.19	335.15 o
4	4	5	2266.70	2270.90	158.69 o
6	4	5	2.92	117.60	96.30 o
8	4	5	2191.25	1931.95	197.17 o
10	4	5	254.05	368.47	175.05 o
12	4	5	7.43	-56.41	192.60 o
14	4	5	0.29	231.30	270.32 o
16	4	5	13778.52	14218.83	768.13 o
-17	5	5	6948.39	6812.01	547.32 o
-15	5	5	82.89	2.72	244.72 o
-13	5	5	395.11	355.21	218.85 o
-11	5	5	2620.49	2714.69	283.69 o
-9	5	5	688.50	643.29	172.98 o
-7	5	5	30887.83	32027.87	649.16 o
-5	5	5	4441.96	4911.74	243.36 o
-3	5	5	4415.10	4790.39	245.92 o
-1	5	5	455.14	497.59	115.54 o
1	5	5	11285.41	12359.16	385.91 o
3	5	5	1435.85	1654.51	156.73 o
5	5	5	188.02	130.81	111.95 o
7	5	5	1136.33	1754.78	220.92 o
9	5	5	1191.80	1085.29	245.75 o
11	5	5	25131.67	25096.90	812.15 o
13	5	5	2660.91	2520.62	366.51 o
15	5	5	45.59	240.54	312.82 o
-16	6	5	45.99	-58.42	288.58 o

-14	6	5	2239.86	2261.18	346.24 o
-12	6	5	3630.74	3463.91	331.67 o
-10	6	5	19892.73	18906.83	733.13 o
-8	6	5	928.86	817.24	134.30 o
-6	6	5	773.57	1037.41	155.29 o
-4	6	5	2224.83	2105.75	198.09 o
-2	6	5	4255.21	4101.66	244.23 o
0	6	5	1183.74	985.01	105.46 o
2	6	5	4947.27	4964.02	286.57 o
4	6	5	2102.97	2069.66	222.11 o
6	6	5	4282.99	4545.35	223.39 o
8	6	5	963.21	1070.47	158.93 o
10	6	5	547.60	780.63	249.77 o
12	6	5	1968.15	2196.45	346.95 o
14	6	5	5826.10	6511.58	537.70 o
-15	7	5	865.41	1132.25	339.34 o
-13	7	5	1635.37	1235.39	309.88 o
-11	7	5	1779.77	1610.44	290.70 o
-9	7	5	6541.31	6441.85	396.73 o
-7	7	5	6924.75	7167.86	462.65 o
-5	7	5	2053.24	1946.68	254.99 o
-3	7	5	190.27	18.53	151.73 o
-1	7	5	8655.79	7245.90	388.74 o
1	7	5	29.33	208.69	161.57 o
3	7	5	1420.00	1365.88	234.45 o
5	7	5	5347.08	4990.87	391.84 o
7	7	5	1698.98	1287.29	234.94 o
9	7	5	33.58	-21.41	214.72 o
11	7	5	1911.51	1724.73	358.36 o
13	7	5	169.68	-275.26	275.26 o
-12	8	5	5083.84	4452.30	445.20 o
-10	8	5	12211.74	12978.98	641.88 o
-8	8	5	4738.49	4751.64	379.66 o
-6	8	5	508.19	752.04	198.80 o
-4	8	5	506.70	507.81	221.51 o
-2	8	5	5765.20	4740.12	382.81 o
0	8	5	2920.54	3233.30	232.33 o
2	8	5	20984.97	19589.96	759.70 o
4	8	5	684.51	473.03	203.85 o
6	8	5	8581.34	8743.68	489.60 o
8	8	5	5250.71	5933.94	465.37 o
10	8	5	2.20	505.26	292.00 o
-11	9	5	1371.34	1928.63	375.64 o
-9	9	5	232.38	355.53	276.89 o
-7	9	5	3025.87	3069.46	373.36 o
-5	9	5	180.90	442.05	239.67 o
-3	9	5	431.53	514.66	239.99 o
-1	9	5	22.43	50.16	211.79 o
1	9	5	21693.04	21490.66	773.07 o
3	9	5	20.82	-18.75	199.34 o
5	9	5	1684.22	2434.38	349.77 o
7	9	5	3107.93	2759.37	387.92 o
9	9	5	1895.26	2173.95	374.88 o
-8	10	5	5265.50	4850.82	495.58 o

-6	10	5	6430.53	7266.18	522.86 o
-4	10	5	3.04	-177.77	247.98 o
-2	10	5	5414.05	6121.10	474.01 o
0	10	5	5491.17	5068.83	763.64 o
2	10	5	15758.96	17683.88	816.28 o
4	10	5	6557.30	6256.05	514.82 o
6	10	5	5769.21	5089.73	499.22 o
-1	11	5	172.21	-277.33	277.33 o
-14	0	6	335.80	220.37	191.90 o
-12	0	6	79.04	-83.26	114.40 o
-10	0	6	27608.98	27932.56	528.35 o
-8	0	6	1356.46	1259.14	137.22 o
-6	0	6	1102.28	1129.15	128.96 o
-4	0	6	39200.73	39302.79	584.65 o
-2	0	6	3.45	97.01	85.27 o
2	0	6	289.45	79.62	97.01 o
4	0	6	6195.95	6566.31	273.80 o
6	0	6	36695.11	36509.08	592.32 o
8	0	6	42356.60	42900.50	663.95 o
10	0	6	250.22	335.53	153.42 o
12	0	6	1608.57	1572.01	242.06 o
-13	1	6	643.46	704.76	180.32 o
-11	1	6	543.04	452.49	124.29 o
-9	1	6	17052.96	17634.59	424.61 o
-7	1	6	1707.99	1703.48	146.41 o
-5	1	6	1520.37	1405.55	133.04 o
-3	1	6	51.18	-52.77	83.26 o
-1	1	6	21.73	-0.54	108.04 o
1	1	6	2346.72	2369.65	155.92 o
3	1	6	28.84	94.83	78.91 o
5	1	6	1022.67	911.82	120.65 o
7	1	6	822.54	838.89	120.97 o
9	1	6	5633.32	5273.47	282.49 o
11	1	6	11215.10	12246.50	548.03 o
-18	2	6	2320.29	1868.91	353.30 o
-14	2	6	101.25	146.35	153.04 o
-12	2	6	10874.39	10011.36	393.52 o
-10	2	6	8115.09	8010.66	291.73 o
-8	2	6	7993.75	6827.55	273.14 o
-6	2	6	10888.33	10705.52	320.04 o
-4	2	6	2730.46	3151.58	174.94 o
-2	2	6	14070.18	14205.08	353.85 o
2	2	6	81.61	240.37	90.59 o
4	2	6	5525.71	4795.06	241.46 o
6	2	6	832.49	617.21	115.43 o
8	2	6	13823.31	14231.76	406.56 o
10	2	6	2181.92	1954.07	223.80 o
12	2	6	1129.78	1460.50	242.66 o
14	2	6	0.05	1.90	232.82 o
16	2	6	10416.54	11073.44	668.73 o
-17	3	6	6014.13	6217.62	490.31 o
-15	3	6	12659.27	11946.35	555.58 o
-13	3	6	9078.97	8892.37	443.30 o
-11	3	6	3450.81	3967.59	256.02 o

-9	3	6	1019.03	1117.30	127.33 o
-7	3	6	1877.17	1921.19	150.27 o
-3	3	6	18252.45	18655.91	395.48 o
-1	3	6	455.08	345.86	97.12 o
1	3	6	8963.23	8820.47	288.85 o
3	3	6	7252.54	7185.91	269.72 o
5	3	6	10484.88	11600.44	333.47 o
7	3	6	6596.94	6776.90	295.15 o
11	3	6	875.99	822.09	214.18 o
13	3	6	10952.65	10691.55	551.29 o
15	3	6	34.13	232.00	270.64 o
-18	4	6	2659.83	3099.57	432.92 o
-16	4	6	17.66	-92.17	235.37 o
-14	4	6	3602.53	3537.11	331.89 o
-12	4	6	154.77	408.14	184.23 o
-10	4	6	5613.19	5650.58	294.18 o
-8	4	6	7004.89	6363.05	268.52 o
-6	4	6	15209.95	15538.03	376.78 o
-4	4	6	521.67	460.20	97.61 o
-2	4	6	695.38	729.92	108.53 o
0	4	6	186.20	380.57	65.67 o
2	4	6	1.54	68.31	82.71 o
4	4	6	14219.14	14554.25	368.19 o
6	4	6	5299.52	5469.98	259.67 o
8	4	6	5.03	-121.68	121.68 o
10	4	6	3602.36	3630.64	303.36 o
12	4	6	59.88	624.06	246.30 o
14	4	6	891.21	1102.08	302.54 o
-17	5	6	9330.38	8831.23	611.83 o
-15	5	6	1935.08	2592.74	353.41 o
-13	5	6	5222.47	4848.59	369.01 o
-11	5	6	273.74	571.23	194.94 o
-9	5	6	4090.39	4264.26	314.72 o
-7	5	6	75.95	91.57	119.56 o
-5	5	6	9105.76	8900.74	338.47 o
-3	5	6	288.24	234.39	104.29 o
-1	5	6	22172.58	22232.81	503.30 o
1	5	6	5519.78	5085.54	254.18 o
3	5	6	1513.16	1668.97	174.12 o
5	5	6	0.13	69.89	122.22 o
7	5	6	1053.77	1150.18	220.10 o
9	5	6	1587.52	1334.58	261.73 o
11	5	6	3690.08	3792.87	354.88 o
13	5	6	3.80	488.14	292.27 o
-16	6	6	1823.83	1635.33	372.65 o
-14	6	6	37.89	-227.55	227.55 o
-12	6	6	5457.74	5610.03	408.08 o
-10	6	6	1301.66	1427.67	264.94 o
-8	6	6	4739.59	5089.20	237.37 o
-6	6	6	5.85	-31.73	83.18 o
-4	6	6	4195.04	4922.07	328.58 o
-2	6	6	248.26	341.89	130.65 o
0	6	6	13.65	-26.64	78.00 o
2	6	6	12.81	-125.92	125.92 o

4	6	6	2450.01	2970.18	268.42 o
6	6	6	4071.10	4369.43	321.46 o
8	6	6	17392.34	16542.72	483.19 o
10	6	6	3080.86	2851.10	340.48 o
12	6	6	1716.63	1655.16	354.66 o
-15	7	6	93.40	665.79	327.38 o
-13	7	6	105.98	-234.77	234.77 o
-11	7	6	143.47	76.52	238.42 o
-9	7	6	2289.22	2172.59	276.68 o
-7	7	6	10.61	-160.65	160.65 o
-5	7	6	757.89	951.82	215.48 o
-3	7	6	5701.64	5500.74	367.22 o
-1	7	6	4170.27	4340.29	330.21 o
1	7	6	1564.26	1700.16	244.61 o
3	7	6	99.47	81.79	173.69 o
5	7	6	3147.76	3657.87	346.67 o
7	7	6	3000.76	2680.13	313.20 o
9	7	6	33.64	463.73	246.51 o
11	7	6	762.06	589.98	296.02 o
-12	8	6	409.48	412.21	272.87 o
-10	8	6	8.42	-202.49	202.49 o
-8	8	6	15329.23	14908.70	664.49 o
-6	8	6	8451.97	8455.38	522.16 o
-4	8	6	6370.67	5825.63	447.21 o
-2	8	6	2406.28	1977.06	291.40 o
0	8	6	49.95	124.61	138.87 o
2	8	6	398.51	403.57	227.44 o
4	8	6	21258.76	21041.00	732.64 o
6	8	6	5515.21	5779.32	431.51 o
8	8	6	5581.82	6564.89	489.82 o
10	8	6	4456.45	4738.60	474.01 o
-11	9	6	225.92	566.50	315.48 o
-9	9	6	1361.74	1201.75	326.08 o
-7	9	6	48.40	309.23	258.74 o
-5	9	6	25754.71	24157.53	832.04 o
-3	9	6	8690.33	7956.10	481.07 o
-1	9	6	1273.49	1020.18	261.46 o
1	9	6	4994.83	4780.71	390.91 o
3	9	6	96.43	665.47	270.75 o
5	9	6	4689.76	5167.77	447.76 o
7	9	6	3019.16	2393.94	375.69 o
-8	10	6	8105.94	8156.47	594.27 o
-6	10	6	5.35	-47.39	254.77 o
-4	10	6	14924.59	12986.80	678.08 o
-2	10	6	97.08	120.87	260.26 o
0	10	6	5254.71	5356.10	332.19 o
2	10	6	543.30	481.02	294.99 o
4	10	6	580.56	793.72	313.20 o
-13	1	7	65.55	304.94	170.10 o
-11	1	7	2893.07	2546.71	206.84 o
-9	1	7	11572.10	11027.68	356.40 o
-7	1	7	16559.25	16992.87	414.44 o
-5	1	7	19445.88	19019.81	397.32 o
-3	1	7	1849.78	2016.02	145.86 o

-1	1	7	164.97	237.93	87.39 o
1	1	7	1468.73	1476.09	135.70 o
3	1	7	2695.80	2714.91	166.84 o
5	1	7	4842.75	4798.10	238.20 o
7	1	7	10974.09	10383.41	352.60 o
9	1	7	57.52	112.22	134.18 o
11	1	7	1846.57	2029.99	263.74 o
-18	2	7	5183.96	5830.84	489.88 o
-16	2	7	9419.88	9720.77	532.37 o
-14	2	7	2372.61	2402.48	267.00 o
-12	2	7	14.27	-46.90	134.23 o
-10	2	7	1011.63	1050.07	135.21 o
-8	2	7	701.97	902.09	123.96 o
-6	2	7	1745.80	1726.57	145.97 o
-4	2	7	299.79	489.06	99.62 o
-2	2	7	7874.33	8065.77	296.51 o
0	2	7	68.02	-35.69	54.93 o
2	2	7	4.15	-40.38	75.00 o
4	2	7	13849.96	14284.42	359.83 o
6	2	7	6884.76	6832.39	272.33 o
8	2	7	23.88	97.77	123.53 o
10	2	7	996.35	1240.56	214.78 o
12	2	7	2446.70	1604.51	270.26 o
14	2	7	1752.30	2168.35	354.55 o
16	2	7	2726.08	2946.15	426.67 o
-17	3	7	1942.60	2125.20	345.80 o
-15	3	7	6951.46	6536.74	434.50 o
-13	3	7	1460.47	1110.40	212.49 o
-11	3	7	2410.09	2397.97	212.87 o
-9	3	7	94.81	61.14	90.76 o
-7	3	7	18949.95	19384.96	418.36 o
-5	3	7	6056.12	6731.57	271.24 o
-3	3	7	4455.94	4382.36	234.83 o
-1	3	7	714.35	781.93	110.65 o
1	3	7	1380.90	1368.16	131.46 o
3	3	7	3284.30	3699.01	191.79 o
5	3	7	9737.21	10103.20	316.62 o
7	3	7	1144.70	1225.39	156.46 o
9	3	7	1356.05	1914.34	221.68 o
11	3	7	26.76	323.27	129.76 o
13	3	7	1101.01	1609.84	317.44 o
15	3	7	1214.18	777.09	327.87 o
-18	4	7	56.57	-167.71	284.12 o
-16	4	7	860.05	816.44	312.44 o
-14	4	7	9861.64	9677.13	508.35 o
-12	4	7	3090.76	3372.12	296.02 o
-10	4	7	7932.33	7964.58	360.48 o
-8	4	7	11543.27	11274.52	367.76 o
-6	4	7	18.93	3.26	81.95 o
-4	4	7	54.88	39.51	80.70 o
-2	4	7	599.35	512.37	102.01 o
0	4	7	18136.66	17836.39	281.60 o
2	4	7	19876.65	18269.40	405.64 o
4	4	7	4263.18	4495.56	215.43 o

6	4	7	30244.92	29255.73	604.93 o
8	4	7	1238.44	1444.30	217.44 o
10	4	7	322.01	485.26	201.62 o
12	4	7	1364.83	1164.04	292.22 o
14	4	7	7745.12	7667.85	546.07 o
-17	5	7	6274.42	6001.44	536.23 o
-15	5	7	9734.90	10678.35	591.50 o
-13	5	7	753.88	331.62	214.61 o
-11	5	7	905.18	1167.41	212.82 o
-9	5	7	594.80	1196.10	216.41 o
-7	5	7	4558.49	4823.92	292.16 o
-5	5	7	5690.97	5911.22	316.73 o
-3	5	7	4253.45	4419.31	234.77 o
-1	5	7	10200.40	9600.18	349.17 o
1	5	7	3711.26	3176.91	207.66 o
3	5	7	15446.07	15933.77	484.28 o
5	5	7	7418.73	7554.97	417.38 o
7	5	7	14399.38	13532.33	611.56 o
9	5	7	654.74	323.79	189.34 o
11	5	7	250.72	499.98	254.39 o
13	5	7	432.23	451.34	274.28 o
-16	6	7	4465.59	3765.47	459.82 o
-14	6	7	23.41	224.67	263.85 o
-12	6	7	953.57	1323.38	271.08 o
-10	6	7	2209.81	2313.35	307.65 o
-8	6	7	2761.83	2722.48	194.93 o
-6	6	7	228.54	310.42	141.79 o
-4	6	7	79.57	-87.39	128.91 o
-2	6	7	87.31	309.61	133.31 o
0	6	7	1115.93	1170.35	123.94 o
2	6	7	113.95	47.55	134.34 o
4	6	7	5562.02	5100.38	358.30 o
6	6	7	6714.17	6570.63	284.79 o
8	6	7	1252.84	1434.68	260.97 o
10	6	7	733.54	1195.23	297.71 o
12	6	7	152.87	689.76	278.63 o
-15	7	7	417.84	150.86	306.02 o
-13	7	7	716.63	384.93	275.15 o
-11	7	7	3345.40	2867.79	346.46 o
-9	7	7	14418.39	14463.33	632.75 o
-7	7	7	10959.86	11275.50	615.14 o
-5	7	7	1931.42	1758.15	268.69 o
-3	7	7	11.85	-88.86	165.76 o
-1	7	7	5190.37	5726.61	376.89 o
1	7	7	2328.05	2126.51	277.82 o
3	7	7	3551.62	3688.09	354.99 o
5	7	7	2105.14	2071.02	305.91 o
7	7	7	4551.10	3845.36	352.76 o
9	7	7	1429.18	1451.69	325.37 o
11	7	7	7006.97	7723.99	555.20 o
-12	8	7	1196.38	1580.11	341.35 o
-10	8	7	3014.73	3207.99	382.27 o
-8	8	7	13925.46	12475.95	588.35 o
-6	8	7	836.99	1115.34	244.50 o



-4	8	7	2107.16	2353.62	274.94 o
-2	8	7	30.01	-179.89	179.89 o
0	8	7	1.31	-119.07	119.07 o
2	8	7	4194.68	4345.84	351.13 o
4	8	7	1671.21	1833.04	287.82 o
6	8	7	72.11	294.88	256.68 o
8	8	7	1513.73	1708.91	351.13 o
10	8	7	4346.37	4516.65	486.45 o
-11	9	7	465.98	779.76	343.30 o
-9	9	7	3019.06	3163.10	394.72 o
-7	9	7	9698.86	10835.79	602.75 o
-5	9	7	614.65	507.70	254.99 o
-3	9	7	1794.24	1778.31	297.93 o
-1	9	7	3316.56	3023.16	335.75 o
1	9	7	947.54	1159.96	282.93 o
3	9	7	2804.68	2766.16	360.59 o
5	9	7	368.51	342.33	275.37 o
7	9	7	913.71	1304.58	334.23 o
-6	10	7	2182.17	2153.52	362.54 o
-4	10	7	85.29	696.99	297.98 o
-2	10	7	9005.64	8732.87	573.41 o
0	10	7	3456.32	3398.78	285.23 o
2	10	7	5184.90	4834.41	454.66 o
4	10	7	7233.87	7438.07	569.76 o
-14	0	8	2501.68	2431.39	283.80 o
-12	0	8	8569.46	8820.47	397.27 o
-10	0	8	7.88	-25.87	90.98 o
-8	0	8	5600.38	5634.16	250.86 o
-6	0	8	473.36	517.70	103.26 o
-4	0	8	1399.95	1296.10	136.46 o
-2	0	8	5055.15	5060.38	228.04 o
0	0	8	29718.71	29622.04	129.28 o
2	0	8	8800.03	8311.69	306.19 o
4	0	8	4593.86	3916.07	214.50 o
6	0	8	15.43	278.90	99.94 o
8	0	8	6778.57	6335.55	323.79 o
10	0	8	4124.18	3788.57	322.16 o
-13	1	8	3734.32	3829.06	310.59 o
-11	1	8	92.58	30.33	124.56 o
-9	1	8	8337.28	8230.33	317.82 o
-7	1	8	662.52	733.07	116.68 o
-5	1	8	4104.26	4174.81	199.50 o
-3	1	8	476.59	563.95	99.45 o
-1	1	8	13799.75	12955.94	335.48 o
1	1	8	16115.82	16663.53	374.50 o
3	1	8	0.78	-74.18	74.18 o
5	1	8	502.60	468.41	111.95 o
7	1	8	329.44	606.34	154.78 o
9	1	8	866.58	822.04	197.44 o
11	1	8	2242.29	1599.35	274.88 o
-18	2	8	5314.20	6662.93	520.74 o
-16	2	8	11075.96	10786.01	550.96 o
-14	2	8	356.90	390.91	200.43 o
-12	2	8	14591.99	14514.31	505.20 o

-10	2	8	810.62	676.88	127.55	o
-8	2	8	767.28	848.18	113.75	o
-6	2	8	15791.35	15780.46	378.85	o
-4	2	8	484.98	615.90	103.86	o
-2	2	8	5154.00	5757.20	263.69	o
0	2	8	8914.55	8997.09	419.20	o
2	2	8	168.77	108.64	86.74	o
4	2	8	11115.24	10188.25	318.58	o
6	2	8	19768.68	19404.80	449.88	o
8	2	8	73.56	144.29	131.57	o
10	2	8	55.61	302.87	174.12	o
12	2	8	6276.68	5821.71	427.76	o
14	2	8	128.62	-249.72	249.72	o
-17	3	8	904.41	987.69	317.76	o
-15	3	8	423.60	905.95	249.56	o
-13	3	8	4681.16	4504.91	331.18	o
-11	3	8	914.13	1045.94	188.47	o
-9	3	8	5684.72	5574.76	264.45	o
-7	3	8	773.43	829.16	114.62	o
-5	3	8	2860.17	3062.35	184.18	o
-3	3	8	46783.39	45255.10	612.48	o
-1	3	8	11580.95	11462.67	324.77	o
1	3	8	37.03	-25.27	85.49	o
3	3	8	12207.51	11399.79	335.53	o
5	3	8	9016.87	8144.30	313.30	o
7	3	8	1043.47	1087.63	167.11	o
9	3	8	12953.27	13897.64	551.12	o
11	3	8	40.67	26.39	224.48	o
13	3	8	2564.18	2668.55	355.15	o
15	3	8	34.30	488.19	322.76	o
-16	4	8	1538.94	2017.98	351.78	o
-14	4	8	3220.73	2714.80	320.86	o
-12	4	8	1030.53	1442.56	218.31	o
-10	4	8	10473.87	11484.95	459.93	o
-8	4	8	0.43	158.15	105.32	o
-4	4	8	1065.71	1139.64	121.95	o
-2	4	8	41.64	-78.48	78.48	o
0	4	8	4987.92	4666.15	159.03	o
2	4	8	2749.63	2761.98	170.81	o
4	4	8	241.49	281.30	114.83	o
6	4	8	5381.16	5247.44	292.93	o
8	4	8	25.34	-86.08	165.10	o
10	4	8	7451.59	7842.95	457.92	o
12	4	8	826.23	1259.96	317.98	o
14	4	8	1640.96	1333.82	320.37	o
-17	5	8	24.22	566.94	307.06	o
-15	5	8	4204.89	5010.76	454.39	o
-13	5	8	4825.33	5620.31	412.70	o
-11	5	8	267.11	367.71	189.40	o
-9	5	8	238.55	391.56	160.16	o
-5	5	8	269.35	240.10	131.41	o
-3	5	8	35.40	-27.01	100.49	o
-1	5	8	1736.60	1796.84	174.23	o
1	5	8	1602.14	1568.37	182.44	o

3	5	8	10.80	57.66	122.28 o
5	5	8	14.18	19.18	156.63 o
7	5	8	3264.20	4142.85	365.26 o
9	5	8	1509.02	1237.62	259.07 o
11	5	8	4397.81	5407.54	448.19 o
13	5	8	3591.58	2736.92	399.99 o
-16	6	8	4820.46	4125.08	466.02 o
-14	6	8	820.22	1108.61	311.95 o
-12	6	8	1216.55	1366.26	278.74 o
-10	6	8	5141.75	5061.74	351.89 o
-8	6	8	10337.25	10363.14	360.02 o
-6	6	8	3443.31	3561.82	201.04 o
-4	6	8	1027.18	1181.86	195.59 o
-2	6	8	2725.12	2878.66	252.38 o
0	6	8	298.23	489.88	117.07 o
2	6	8	279.34	0.60	169.29 o
4	6	8	1812.70	1944.34	271.24 o
6	6	8	138.21	284.94	149.21 o
8	6	8	22905.30	22539.48	789.76 o
10	6	8	1599.25	1729.24	334.55 o
12	6	8	569.82	602.43	317.71 o
-13	7	8	2156.50	2439.81	371.40 o
-11	7	8	2959.46	2757.08	351.08 o
-9	7	8	676.18	359.17	216.57 o
-7	7	8	496.47	1088.77	249.99 o
-5	7	8	2911.58	2807.68	316.13 o
-3	7	8	415.85	385.15	204.07 o
-1	7	8	84.52	586.34	210.26 o
1	7	8	281.07	-82.82	190.65 o
3	7	8	415.20	93.80	197.66 o
5	7	8	1133.50	984.42	242.87 o
7	7	8	18.65	77.33	208.58 o
9	7	8	281.02	414.55	274.88 o
11	7	8	17.32	-269.99	269.99 o
-12	8	8	4686.10	4388.50	452.87 o
-10	8	8	12236.65	12774.31	719.65 o
-8	8	8	1249.76	1249.36	282.16 o
-6	8	8	955.55	1088.01	258.31 o
-4	8	8	222.97	292.49	213.31 o
-2	8	8	1557.09	1575.22	265.21 o
0	8	8	34144.17	33795.88	1438.46 o
2	8	8	84.99	460.64	220.86 o
4	8	8	2736.20	2568.77	325.10 o
6	8	8	5183.48	5851.28	464.33 o
8	8	8	274.60	5.05	273.74 o
-9	9	8	6706.94	6377.94	523.24 o
-7	9	8	1520.20	2276.99	355.69 o
-5	9	8	6643.22	7746.32	514.71 o
-3	9	8	9091.77	10641.12	580.20 o
-1	9	8	319.44	173.15	255.97 o
1	9	8	337.30	162.33	249.23 o
3	9	8	1860.49	1783.69	322.92 o
5	9	8	2285.41	2098.74	353.79 o
7	9	8	97.78	-282.87	282.87 o

-6	10	8	4007.61	4395.83	465.80 o
-4	10	8	7858.80	7335.03	538.13 o
-2	10	8	18.18	366.62	290.37 o
0	10	8	711.14	817.50	214.63 o
2	10	8	33.18	-266.40	266.40 o
-13	1	9	6822.14	7450.73	419.71 o
-11	1	9	258.61	679.22	159.51 o
-9	1	9	533.76	503.52	122.44 o
-7	1	9	12155.84	12041.51	370.64 o
-5	1	9	4678.52	4256.65	202.71 o
-3	1	9	3443.28	3608.85	184.67 o
-1	1	9	330.58	563.84	99.83 o
1	1	9	3905.89	3397.50	216.30 o
3	1	9	481.07	468.46	101.57 o
5	1	9	31235.35	30457.16	521.45 o
7	1	9	5517.09	5217.11	300.91 o
9	1	9	9520.90	10025.92	474.66 o
-18	2	9	708.35	1197.24	323.90 o
-16	2	9	765.21	853.72	290.37 o
-14	2	9	2545.51	2428.02	274.18 o
-12	2	9	10.14	-136.90	136.90 o
-10	2	9	125.16	35.11	109.62 o
-8	2	9	575.79	570.80	112.22 o
-6	2	9	2805.29	2907.51	175.54 o
-4	2	9	10877.07	10318.25	317.54 o
-2	2	9	247.43	355.10	101.25 o
0	2	9	428.48	504.85	76.01 o
2	2	9	16747.91	16942.49	389.99 o
4	2	9	212.86	239.29	91.25 o
6	2	9	3467.63	3037.07	213.04 o
8	2	9	1639.16	1502.72	214.67 o
10	2	9	1925.87	1668.86	253.85 o
12	2	9	165.14	261.78	233.20 o
14	2	9	1650.06	1590.11	355.69 o
-17	3	9	452.58	-41.36	254.61 o
-15	3	9	9866.34	9943.04	537.27 o
-13	3	9	965.67	518.90	211.62 o
-11	3	9	5023.95	4688.71	305.86 o
-9	3	9	1624.43	1440.06	160.81 o
-7	3	9	219.30	252.55	97.99 o
-5	3	9	8146.83	8015.23	287.44 o
-3	3	9	4808.27	5246.57	326.02 o
-1	3	9	589.37	526.40	106.03 o
1	3	9	326.34	312.00	94.18 o
3	3	9	225.90	231.57	98.53 o
5	3	9	1502.75	1317.35	158.69 o
7	3	9	5353.57	5177.49	316.89 o
9	3	9	133.78	379.39	197.11 o
11	3	9	686.66	678.19	211.35 o
13	3	9	538.83	815.90	305.81 o
-16	4	9	33227.48	35552.38	1075.62 o
-14	4	9	7196.28	7064.06	456.24 o
-12	4	9	7846.32	8367.23	444.99 o
-10	4	9	7.52	121.95	146.25 o

-8	4	9	5080.43	5304.55	278.31 o
-6	4	9	35294.08	33714.28	591.83 o
-4	4	9	6206.36	6674.08	272.44 o
-2	4	9	24066.94	24700.55	465.09 o
0	4	9	14569.11	13958.97	255.44 o
2	4	9	4816.82	4770.50	263.52 o
4	4	9	0.09	20.22	110.87 o
6	4	9	2632.71	2790.62	255.32 o
8	4	9	5346.19	5428.46	355.80 o
10	4	9	6520.45	6047.36	429.61 o
12	4	9	309.33	632.21	274.72 o
-15	5	9	1278.43	1035.62	323.90 o
-13	5	9	1230.08	1221.59	260.75 o
-11	5	9	826.44	633.35	206.24 o
-9	5	9	415.52	487.59	177.77 o
-7	5	9	8832.95	8316.63	456.94 o
-5	5	9	1465.08	1331.75	186.46 o
-3	5	9	7298.37	7455.25	376.51 o
-1	5	9	13919.99	13231.09	468.08 o
1	5	9	5857.69	5639.06	316.24 o
3	5	9	2341.21	2924.52	273.36 o
5	5	9	5632.39	5780.57	395.26 o
7	5	9	4826.02	5232.38	432.00 o
9	5	9	23.13	197.11	227.17 o
11	5	9	398.32	650.25	300.48 o
13	5	9	1270.05	883.88	338.52 o
-14	6	9	1843.72	2245.69	352.65 o
-12	6	9	511.47	521.94	254.07 o
-10	6	9	1425.63	1859.29	273.31 o
-8	6	9	0.08	-118.32	121.54 o
-6	6	9	3150.17	3171.77	201.58 o
-4	6	9	8886.84	8367.06	483.35 o
-2	6	9	4.37	-144.89	144.89 o
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2	6	9	1967.32	1951.57	263.52 o
4	6	9	267.93	179.83	197.22 o
6	6	9	166.60	159.67	211.35 o
8	6	9	2192.30	2317.10	316.08 o
10	6	9	243.53	-25.00	279.39 o
12	6	9	1819.09	1481.15	384.77 o
-13	7	9	3173.58	2455.03	382.76 o
-11	7	9	2556.56	3016.86	362.60 o
-9	7	9	2974.95	3344.46	332.92 o
-7	7	9	21115.69	21314.41	719.27 o
-5	7	9	19.68	-186.35	186.35 o
-3	7	9	10881.25	10522.92	541.34 o
-1	7	9	758.86	927.25	228.53 o
1	7	9	504.01	1049.48	244.88 o
3	7	9	6084.17	5704.11	384.06 o
5	7	9	2125.29	2625.89	302.98 o
7	7	9	10913.72	11538.48	607.81 o
9	7	9	3565.06	3668.36	416.45 o
-12	8	9	8016.94	8489.99	594.06 o
-10	8	9	4069.11	3152.13	404.55 o

-8	8	9	3237.24	3451.90	385.75 o
-6	8	9	3219.54	2959.90	336.51 o
-4	8	9	8426.19	8472.82	474.66 o
-2	8	9	11092.34	11427.89	596.88 o
0	8	9	2627.87	2772.75	223.85 o
2	8	9	1498.45	1072.85	258.52 o
4	8	9	3.35	272.38	245.21 o
6	8	9	1129.93	871.71	311.84 o
8	8	9	12641.46	12088.52	693.18 o
-9	9	9	1.92	0.98	288.31 o
-7	9	9	186.84	-244.34	244.34 o
-5	9	9	20.42	-232.22	232.22 o
-3	9	9	564.86	456.94	273.42 o
-1	9	9	4064.30	3821.02	399.82 o
1	9	9	2774.85	2017.27	346.02 o
3	9	9	847.97	1199.80	319.12 o
5	9	9	2848.59	2484.97	386.78 o
-6	10	9	1443.09	931.76	361.73 o
-4	10	9	4506.51	5311.13	495.20 o
-2	10	9	5108.54	4762.24	474.11 o
0	10	9	6209.90	6730.32	382.65 o
2	10	9	3374.56	3657.22	449.12 o
-12	0	10	159.50	144.40	160.76 o
-10	0	10	611.70	577.70	144.45 o
-8	0	10	11909.33	11997.27	371.51 o
-6	0	10	18725.94	18265.76	439.01 o
-4	0	10	1944.50	2074.28	166.46 o
-2	0	10	755.20	643.89	116.14 o
0	0	10	19061.02	18975.12	375.31 o
2	0	10	329.78	214.07	98.04 o
4	0	10	33184.38	31987.71	581.67 o
6	0	10	6091.70	5511.07	304.12 o
8	0	10	54.98	365.53	188.04 o
-13	1	10	1200.19	1134.20	220.54 o
-11	1	10	10481.04	10642.81	439.39 o
-9	1	10	15837.28	16573.26	471.51 o
-7	1	10	4977.98	5392.60	276.46 o
-5	1	10	2093.37	2141.18	156.63 o
-3	1	10	126.49	49.67	83.10 o
-1	1	10	2131.66	2529.65	167.55 o
1	1	10	6.51	14.02	82.99 o
3	1	10	2581.43	2305.31	159.45 o
5	1	10	16.44	72.17	104.89 o
7	1	10	301.95	407.49	170.37 o
9	1	10	16370.47	14485.94	609.60 o
-18	2	10	1756.73	2081.07	371.18 o
-16	2	10	7582.66	7189.11	500.31 o
-14	2	10	2777.22	2481.28	296.73 o
-12	2	10	3324.11	4075.08	307.82 o
-10	2	10	829.33	917.63	155.16 o
-8	2	10	9577.54	9738.92	342.05 o
-6	2	10	134.29	182.06	85.70 o
-4	2	10	237.29	109.24	91.19 o
-2	2	10	9417.75	8698.03	299.07 o

0	2	10	10995.61	9895.77	221.85 o
2	2	10	22326.95	21402.78	440.91 o
4	2	10	294.43	557.81	116.03 o
6	2	10	5740.02	5548.95	300.53 o
8	2	10	3006.45	3203.59	296.68 o
10	2	10	6318.07	6642.01	418.57 o
12	2	10	3669.11	3464.40	394.06 o
14	2	10	881.03	545.36	333.25 o
-17	3	10	5068.00	4893.10	460.42 o
-15	3	10	2145.76	1975.70	314.66 o
-13	3	10	9620.64	8471.90	446.13 o
-11	3	10	2.23	-62.01	151.79 o
-9	3	10	5632.83	5417.59	287.06 o
-7	3	10	15975.76	14866.58	412.92 o
-5	3	10	12851.38	12206.18	344.45 o
-3	3	10	1647.20	1791.30	151.41 o
-1	3	10	8127.49	7204.60	279.39 o
1	3	10	314.47	312.76	101.84 o
3	3	10	4712.73	4611.10	246.08 o
5	3	10	842.79	669.22	149.07 o
7	3	10	5948.90	5656.99	351.13 o
9	3	10	2538.47	2319.43	206.88 o
11	3	10	3424.07	3421.16	275.62 o
13	3	10	4583.68	3681.62	437.11 o
-16	4	10	257.12	133.85	280.53 o
-14	4	10	3522.99	3338.53	356.35 o
-12	4	10	41.07	425.53	179.56 o
-10	4	10	61.02	268.36	162.11 o
-8	4	10	1421.41	1603.81	190.05 o
-6	4	10	1127.73	1004.64	154.29 o
-4	4	10	10340.72	10533.30	366.24 o
-2	4	10	3393.37	3004.68	199.88 o
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4	4	10	130.99	93.91	146.84 o
6	4	10	12421.49	12367.91	521.40 o
8	4	10	8082.73	8335.38	468.68 o
10	4	10	1981.92	2148.08	323.58 o
12	4	10	938.58	460.96	280.26 o
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-13	5	10	928.64	885.68	270.81 o
-11	5	10	7329.81	7334.27	429.39 o
-9	5	10	26.47	432.70	173.85 o
-7	5	10	114.44	111.19	170.70 o
-5	5	10	61.87	229.72	145.65 o
-3	5	10	26.03	15.16	142.88 o
-1	5	10	5853.35	5481.78	337.16 o
1	5	10	6201.09	6411.31	413.52 o
3	5	10	1744.04	1878.42	259.12 o
5	5	10	5050.91	5150.16	392.54 o
7	5	10	742.29	1116.10	248.80 o
9	5	10	2502.54	2754.37	349.93 o
11	5	10	788.14	630.14	299.23 o
-14	6	10	13812.94	13900.91	691.06 o

-12	6	10	8363.29	9208.83	556.18 o
-10	6	10	1805.98	1224.20	264.56 o
-8	6	10	489.25	559.10	157.58 o
-6	6	10	1093.11	1080.75	231.03 o
-4	6	10	4552.78	4846.42	364.61 o
-2	6	10	101.95	-154.61	154.61 o
0	6	10	4897.67	4871.11	260.18 o
2	6	10	134.68	256.57	203.25 o
4	6	10	593.65	669.71	233.36 o
6	6	10	1503.65	2178.30	299.45 o
8	6	10	89.12	484.77	267.76 o
10	6	10	9457.03	10347.32	614.98 o
-13	7	10	1345.12	1802.28	351.56 o
-11	7	10	357.12	-5.82	247.27 o
-9	7	10	2778.15	2727.95	331.51 o
-7	7	10	4865.25	4727.18	366.84 o
-5	7	10	3435.82	3100.39	294.83 o
-3	7	10	502.89	530.42	235.05 o
-1	7	10	1490.11	1585.98	275.64 o
1	7	10	1153.57	1147.57	231.51 o
3	7	10	2250.89	2882.19	312.60 o
5	7	10	126.36	178.09	250.26 o
7	7	10	1336.13	1416.96	325.37 o
9	7	10	4465.68	5301.73	490.04 o
-12	8	10	141.70	-275.37	275.37 o
-10	8	10	6100.20	6070.24	491.40 o
-8	8	10	4747.72	4508.28	428.52 o
-6	8	10	3121.59	3545.26	376.89 o
-4	8	10	5376.42	5693.08	417.49 o
-2	8	10	6726.75	6241.75	423.57 o
0	8	10	6777.60	7636.16	359.55 o
2	8	10	155.35	-141.68	234.01 o
4	8	10	1819.47	1953.20	335.97 o
6	8	10	1963.25	1470.17	326.24 o
-9	9	10	2648.74	2656.38	396.89 o
-7	9	10	1726.20	1599.62	335.37 o
-5	9	10	1591.75	2115.64	348.90 o
-3	9	10	2629.44	2627.96	375.86 o
-1	9	10	3961.05	3858.19	424.44 o
1	9	10	89.34	-6.20	257.60 o
3	9	10	2857.87	2821.54	390.31 o
5	9	10	2785.31	2961.32	424.61 o
-2	10	10	17.97	-25.98	286.08 o
-13	1	11	8378.10	8184.57	466.23 o
-11	1	11	5801.08	5698.73	349.93 o
-9	1	11	2742.62	2337.80	211.24 o
-7	1	11	705.00	923.45	135.05 o
-5	1	11	382.56	292.98	105.70 o
-3	1	11	7908.82	7897.19	273.42 o
-1	1	11	1176.67	817.09	112.82 o
1	1	11	10836.22	11364.03	328.96 o
3	1	11	460.76	313.36	104.83 o
5	1	11	6381.13	6003.66	294.94 o
7	1	11	573.11	986.71	209.29 o



9	1	11	314.11	-58.91	226.68 o
-18	2	11	117.09	-263.25	263.25 o
-16	2	11	1695.61	1182.90	309.99 o
-14	2	11	11023.64	10608.51	527.81 o
-12	2	11	783.10	469.82	186.08 o
-10	2	11	928.39	1032.96	192.39 o
-8	2	11	40.30	15.98	115.27 o
-6	2	11	31275.38	31584.79	544.22 o
-4	2	11	6581.37	6914.29	274.45 o
-2	2	11	34257.53	32591.71	537.10 o
0	2	11	46.38	122.04	65.77 o
2	2	11	7504.01	7799.85	314.66 o
4	2	11	1506.59	1335.83	172.87 o
6	2	11	3514.36	3240.82	273.20 o
8	2	11	4552.31	5336.18	375.97 o
10	2	11	8046.37	8069.52	491.29 o
12	2	11	1631.16	1456.20	336.02 o
-17	3	11	31.10	168.31	278.03 o
-15	3	11	2434.72	2342.70	343.09 o
-13	3	11	2846.73	3028.71	312.27 o
-11	3	11	459.86	608.30	193.74 o
-9	3	11	17.77	160.21	151.14 o
-7	3	11	5511.34	5098.64	303.79 o
-5	3	11	923.27	946.55	133.15 o
-3	3	11	660.35	629.44	113.85 o
-1	3	11	2458.94	2514.97	189.89 o
1	3	11	50.87	-94.40	94.40 o
3	3	11	9445.79	9049.27	385.97 o
5	3	11	525.38	334.55	167.98 o
7	3	11	6756.62	6383.54	382.11 o
9	3	11	6805.12	7090.25	314.87 o
11	3	11	3476.91	3474.96	286.17 o
13	3	11	283.29	482.43	307.22 o
-16	4	11	10442.84	10541.77	622.64 o
-14	4	11	2.15	-121.03	224.45 o
-12	4	11	109.07	233.85	190.05 o
-10	4	11	305.61	305.70	183.09 o
-8	4	11	156.60	22.12	134.62 o
-6	4	11	49.29	9.95	116.90 o
-4	4	11	4094.21	4004.43	256.46 o
-2	4	11	2969.19	2772.46	209.94 o
0	4	11	2965.61	2732.52	241.98 o
2	4	11	47.06	172.01	136.68 o
4	4	11	3466.22	3443.37	285.86 o
6	4	11	16022.62	17266.01	635.63 o
8	4	11	7746.74	7538.23	457.87 o
10	4	11	7323.83	9108.73	557.10 o
12	4	11	72.76	-45.22	292.82 o
-15	5	11	1830.23	1854.29	365.15 o
-13	5	11	3024.23	3136.09	375.64 o
-11	5	11	24844.10	25448.52	799.70 o
-9	5	11	4015.94	3829.11	318.90 o
-7	5	11	66.04	316.02	190.10 o
-5	5	11	6.51	-112.33	150.38 o

-3	5	11	566.63	475.47	187.49	o
-1	5	11	10018.05	10364.61	482.70	o
1	5	11	593.32	372.49	195.32	o
3	5	11	1629.49	1803.69	280.75	o
5	5	11	2279.70	2305.25	271.62	o
7	5	11	16178.18	16629.08	662.86	o
9	5	11	825.36	831.28	283.69	o
11	5	11	3370.13	3249.35	428.03	o
-14	6	11	4423.93	5411.13	476.72	o
-12	6	11	620.60	180.27	256.84	o
-10	6	11	1694.93	2048.36	300.86	o
-8	6	11	964.76	1200.29	256.30	o
-6	6	11	7131.03	6130.78	279.57	o
-4	6	11	7002.28	7137.59	449.33	o
-2	6	11	7206.14	7232.05	456.02	o
0	6	11	28.15	-123.07	123.07	o
2	6	11	925.21	695.58	239.56	o
4	6	11	1996.24	2057.00	284.88	o
6	6	11	34.14	120.87	222.44	o
8	6	11	210.65	186.79	275.05	o
10	6	11	5936.03	6149.96	540.74	o
-13	7	11	639.73	570.42	329.39	o
-11	7	11	3685.53	3874.06	416.24	o
-9	7	11	1462.80	1807.17	316.13	o
-7	7	11	694.69	1002.47	270.26	o
-5	7	11	285.25	463.03	212.06	o
-3	7	11	983.39	1072.90	242.66	o
-1	7	11	1125.79	1282.89	257.87	o
1	7	11	468.92	667.97	223.63	o
3	7	11	1528.98	1121.92	263.85	o
5	7	11	8962.55	10410.69	587.64	o
7	7	11	13302.93	13834.22	700.85	o
-10	8	11	4147.31	4592.89	455.42	o
-8	8	11	6617.24	7271.83	530.91	o
-6	8	11	3969.49	4278.83	412.60	o
-4	8	11	8782.09	8657.16	530.85	o
-2	8	11	15971.68	16710.76	743.51	o
0	8	11	50.57	-167.87	167.87	o
2	8	11	3298.69	3313.64	382.11	o
4	8	11	117.35	227.98	274.50	o
6	8	11	870.31	830.95	326.95	o
-7	9	11	914.09	1123.28	344.01	o
-5	9	11	14.01	701.17	285.86	o
-3	9	11	116.91	444.33	270.15	o
-1	9	11	10530.38	10865.08	630.36	o
1	9	11	970.77	618.51	304.01	o
3	9	11	860.48	608.68	316.73	o
-12	0	12	13327.67	13698.19	599.87	o
-10	0	12	2091.13	1852.98	234.29	o
-8	0	12	2926.39	2984.58	232.60	o
-6	0	12	18396.59	17929.80	480.58	o
-4	0	12	42019.56	39283.55	644.71	o
-2	0	12	2381.51	2414.16	178.85	o
0	0	12	343.86	438.10	80.91	o

2	0	12	27.60	145.10	113.96 o
4	0	12	4216.57	4162.80	279.01 o
6	0	12	1642.84	1676.52	240.48 o
-11	1	12	544.99	715.95	200.97 o
-9	1	12	4905.53	4628.82	298.25 o
-7	1	12	1386.05	1269.74	166.30 o
-5	1	12	297.05	380.59	105.54 o
-3	1	12	995.24	1105.62	128.20 o
-1	1	12	2518.77	2795.72	183.69 o
1	1	12	11232.30	11515.98	369.50 o
3	1	12	313.35	379.55	131.84 o
5	1	12	76.11	-134.02	134.02 o
7	1	12	351.85	551.12	193.58 o
9	1	12	7592.37	6769.73	434.17 o
-16	2	12	192.88	346.84	268.36 o
-14	2	12	110.15	-10.05	209.88 o
-12	2	12	1098.91	1404.85	254.50 o
-10	2	12	93.29	11.25	152.98 o
-8	2	12	448.34	524.93	143.75 o
-6	2	12	10974.78	9952.34	375.69 o
-4	2	12	7096.11	6724.51	278.80 o
-2	2	12	10821.84	10365.97	345.48 o
0	2	12	14784.13	14425.50	1160.89 o
2	2	12	1467.52	1334.30	163.74 o
4	2	12	3821.12	3834.22	274.94 o
6	2	12	3.26	-88.26	160.32 o
8	2	12	2527.65	2148.25	281.57 o
10	2	12	275.23	509.49	278.85 o
12	2	12	5473.40	4938.32	486.29 o
-17	3	12	1022.81	1079.86	338.47 o
-15	3	12	10274.07	11035.08	600.69 o
-13	3	12	18.17	126.90	213.85 o
-11	3	12	748.56	714.76	202.00 o
-9	3	12	839.40	952.69	184.45 o
-7	3	12	2086.52	2360.90	214.07 o
-5	3	12	772.15	959.37	150.59 o
-3	3	12	1163.28	759.59	141.30 o
-1	3	12	6.66	-113.85	113.85 o
1	3	12	235.96	271.13	128.47 o
3	3	12	5658.33	6574.73	346.84 o
5	3	12	1385.67	1525.33	235.75 o
7	3	12	2034.51	1513.40	185.54 o
9	3	12	21538.98	22548.36	752.20 o
11	3	12	4337.12	5255.05	333.31 o
-16	4	12	4459.29	4336.76	460.26 o
-14	4	12	8739.56	10614.82	596.23 o
-12	4	12	3110.07	2774.20	318.85 o
-10	4	12	642.70	859.97	224.83 o
-8	4	12	47.37	141.52	168.15 o
-6	4	12	628.23	688.08	169.67 o
-4	4	12	9311.22	9441.76	423.46 o
-2	4	12	1951.07	1663.53	202.22 o
0	4	12	4876.99	4963.31	220.46 o
2	4	12	96.50	-64.29	149.13 o

4	4	12	387.30	337.98	184.18 o
6	4	12	1677.32	1865.59	277.11 o
8	4	12	2849.73	3068.43	353.96 o
10	4	12	95.60	769.76	288.03 o
-15	5	12	970.29	1078.71	316.62 o
-13	5	12	139.55	-30.54	236.84 o
-11	5	12	7192.63	7460.73	463.35 o
-9	5	12	1879.73	1664.78	249.94 o
-7	5	12	1563.17	1838.53	270.32 o
-5	5	12	6300.03	6573.75	430.86 o
-1	5	12	5.42	478.41	209.61 o
1	5	12	315.44	-118.20	179.61 o
3	5	12	1599.37	1354.19	278.63 o
5	5	12	10150.47	9816.20	579.98 o
7	5	12	2062.80	1986.62	334.45 o
9	5	12	2782.55	2760.56	385.91 o
-14	6	12	3438.62	4137.31	458.25 o
-12	6	12	2908.30	2620.24	374.06 o
-10	6	12	9.30	32.44	217.44 o
-8	6	12	1312.68	839.59	244.34 o
-6	6	12	313.20	822.64	213.74 o
-4	6	12	119.23	559.66	235.64 o
-2	6	12	3034.23	3614.45	367.98 o
0	6	12	2403.97	2433.86	271.78 o
2	6	12	8050.40	7814.64	450.58 o
4	6	12	76.25	139.45	211.68 o
6	6	12	10931.52	10363.03	585.63 o
8	6	12	4054.41	4574.04	450.37 o
-13	7	12	2.77	521.02	304.99 o
-11	7	12	8865.65	9298.28	585.25 o
-9	7	12	212.69	-78.10	240.32 o
-7	7	12	2943.27	3145.33	353.79 o
-5	7	12	4250.96	4702.29	393.68 o
-3	7	12	1536.83	1728.48	276.68 o
-1	7	12	176.30	291.46	219.23 o
1	7	12	3558.56	4047.10	374.77 o
3	7	12	4457.85	4827.83	430.69 o
5	7	12	6027.21	5775.19	489.11 o
7	7	12	2.77	-109.34	271.68 o
-10	8	12	260.33	-139.89	287.60 o
-8	8	12	247.92	513.41	283.52 o
-6	8	12	523.36	457.16	268.52 o
-4	8	12	208.25	705.96	277.60 o
-2	8	12	957.24	787.96	287.60 o
0	8	12	6219.73	6749.94	352.18 o
2	8	12	2247.03	2035.48	360.64 o
4	8	12	8474.05	8219.51	579.98 o
-7	9	12	400.14	755.14	322.87 o
-5	9	12	76.62	-187.77	272.22 o
-3	9	12	7773.33	7206.40	545.85 o
-1	9	12	3276.37	2623.12	401.35 o
1	9	12	88.15	157.93	281.24 o
-11	1	13	2822.97	3454.94	308.41 o
-9	1	13	10802.99	11654.51	512.70 o

-7	1	13	73.12	248.90	128.91 o
-5	1	13	1024.64	1227.30	162.77 o
-3	1	13	8482.58	9311.11	353.41 o
-1	1	13	9562.35	9396.43	368.74 o
1	1	13	14422.46	14288.88	460.04 o
3	1	13	30.13	212.11	145.00 o
5	1	13	23.76	152.82	174.34 o
7	1	13	511.44	297.76	203.96 o
9	1	13	77.38	-199.18	199.18 o
-16	2	13	7251.53	8203.32	552.48 o
-14	2	13	1713.47	1423.32	293.63 o
-12	2	13	213.50	107.28	204.94 o
-10	2	13	15278.41	17167.65	606.50 o
-8	2	13	10.69	-133.31	133.31 o
-6	2	13	8.84	94.94	123.20 o
-4	2	13	1297.86	1388.38	168.26 o
-2	2	13	618.26	743.07	142.82 o
0	2	13	1489.18	1413.77	139.86 o
2	2	13	25.68	146.90	148.80 o
4	2	13	10.62	516.34	186.30 o
6	2	13	2164.12	2253.79	272.71 o
8	2	13	7684.99	8415.21	506.02 o
10	2	13	8896.33	8548.58	566.83 o
-15	3	13	2813.43	2948.38	390.75 o
-13	3	13	34.75	100.87	206.79 o
-11	3	13	10.53	264.61	133.40 o
-9	3	13	24.81	119.40	179.61 o
-7	3	13	5732.85	5828.72	339.88 o
-5	3	13	7762.55	8223.86	381.67 o
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-1	3	13	21.87	75.21	136.79 o
1	3	13	1242.37	1382.62	200.65 o
3	3	13	2827.82	2572.58	269.28 o
5	3	13	22.03	252.49	184.12 o
7	3	13	3630.03	3451.26	251.50 o
9	3	13	697.94	491.86	205.52 o
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-14	4	13	9.55	-66.95	259.23 o
-12	4	13	210.59	501.94	221.19 o
-10	4	13	302.73	77.06	198.36 o
-8	4	13	391.98	415.91	182.66 o
-6	4	13	194.19	362.81	173.58 o
-4	4	13	16750.56	17791.81	568.08 o
-2	4	13	3960.04	4247.80	311.35 o
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2	4	13	2213.22	2066.18	245.97 o
4	4	13	376.19	394.50	193.63 o
6	4	13	2068.50	2780.40	326.02 o
8	4	13	7296.47	8149.25	525.36 o
10	4	13	1405.29	2049.39	380.59 o
-15	5	13	3422.31	3274.08	427.92 o
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-11	5	13	10446.37	10425.31	554.44 o

-9	5	13	1273.22	1626.63	265.70 o
-7	5	13	87.61	161.52	179.78 o
-5	5	13	7654.41	6198.44	452.21 o
-3	5	13	24.80	171.95	206.95 o
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3	5	13	19891.69	20384.71	727.69 o
5	5	13	3.25	228.14	223.47 o
7	5	13	4145.58	4730.44	436.18 o
9	5	13	1667.58	2063.41	372.16 o
-14	6	13	1195.67	1573.64	359.50 o
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-10	6	13	11771.43	12685.13	630.36 o
-8	6	13	6902.77	6670.27	450.20 o
-6	6	13	383.42	519.11	237.33 o
-4	6	13	5206.25	4847.83	378.52 o
-2	6	13	3945.07	3996.12	346.67 o
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2	6	13	5995.85	6015.29	428.84 o
4	6	13	107.37	680.79	267.55 o
6	6	13	2869.85	1971.51	351.02 o
8	6	13	3.59	144.13	302.22 o
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-7	7	13	3502.15	3594.56	393.25 o
-5	7	13	67.21	-235.16	235.16 o
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1	7	13	115.90	-88.48	251.73 o
3	7	13	8648.79	9222.58	577.32 o
5	7	13	6510.16	7693.12	547.92 o
-8	8	13	1922.75	2590.30	383.68 o
-6	8	13	976.91	376.62	281.08 o
-4	8	13	5.23	-53.97	247.17 o
-2	8	13	399.14	1169.20	306.95 o
0	8	13	3869.97	3761.21	292.61 o
2	8	13	1600.45	2066.51	367.11 o
4	8	13	195.93	-39.89	294.07 o
-3	9	13	102.37	-204.12	279.88 o
-10	0	14	869.86	1241.92	223.47 o
-8	0	14	6509.86	7056.29	396.89 o
-6	0	14	1239.97	988.66	197.06 o
-4	0	14	969.44	1046.70	172.93 o
-2	0	14	1085.57	1276.10	185.86 o
0	0	14	19479.68	20069.08	647.64 o
2	0	14	53.90	357.71	172.77 o
4	0	14	2410.67	2266.94	275.53 o
-9	1	14	21301.47	20682.42	696.99 o
-7	1	14	2189.24	2322.53	244.94 o
-5	1	14	3273.83	3765.91	266.62 o
-3	1	14	596.41	657.21	147.06 o
-1	1	14	1213.51	983.39	178.09 o
1	1	14	898.47	984.80	189.72 o
3	1	14	30.42	-51.95	158.96 o

5	1	14	15750.63	14788.87	572.10 o
7	1	14	5556.79	5492.54	406.73 o
9	1	14	325.00	486.07	269.45 o
-16	2	14	1644.81	1306.59	335.32 o
-14	2	14	2377.73	2838.11	363.90 o
-12	2	14	58.90	279.77	207.28 o
-10	2	14	26643.90	28485.54	794.38 o
-8	2	14	315.92	487.10	188.74 o
-6	2	14	502.59	217.17	155.65 o
-4	2	14	1871.20	2074.28	221.30 o
-2	2	14	1232.42	1231.92	189.50 o
0	2	14	734.21	712.73	159.94 o
2	2	14	1800.92	1738.15	239.34 o
4	2	14	1450.53	1590.76	258.69 o
6	2	14	2099.95	2447.26	311.73 o
8	2	14	1165.60	1553.65	310.26 o
10	2	14	6.57	-10.22	260.53 o
-15	3	14	12.31	48.80	259.67 o
-13	3	14	94.36	365.59	254.12 o
-11	3	14	1547.99	1750.84	197.10 o
-9	3	14	2912.68	2481.01	297.98 o
-7	3	14	56.57	-93.26	170.16 o
-5	3	14	859.50	478.63	181.30 o
-3	3	14	1767.88	1861.03	229.34 o
-1	3	14	7749.07	7926.59	398.03 o
1	3	14	1300.25	944.97	222.49 o
3	3	14	518.97	574.71	212.38 o
5	3	14	16123.74	16659.53	568.24 o
7	3	14	223.33	349.34	191.38 o
9	3	14	5054.56	5885.19	355.45 o
-14	4	14	712.13	861.17	295.32 o
-12	4	14	2093.60	2203.41	337.38 o
-10	4	14	5306.26	5086.36	386.29 o
-8	4	14	5097.66	5420.86	366.51 o
-6	4	14	776.15	1174.47	214.40 o
-4	4	14	158.91	669.00	191.35 o
-2	4	14	54.38	149.89	161.73 o
0	4	14	1.55	77.79	116.53 o
2	4	14	2148.43	2156.83	264.67 o
4	4	14	2254.48	2132.05	297.16 o
6	4	14	26.58	89.40	236.89 o
8	4	14	1539.14	1504.52	332.87 o
-13	5	14	1617.40	2300.85	368.47 o
-11	5	14	133.05	681.45	260.32 o
-9	5	14	1551.63	1357.51	280.26 o
-7	5	14	98.25	-17.88	193.91 o
-5	5	14	18369.83	19757.51	685.41 o
-3	5	14	6.34	-18.42	177.11 o
-1	5	14	7248.99	6048.06	427.54 o
1	5	14	3707.34	3794.55	340.97 o
3	5	14	1126.69	1036.54	262.60 o
5	5	14	3626.91	3854.55	398.79 o
7	5	14	8365.50	9690.01	592.70 o
-12	6	14	8641.85	8649.61	584.76 o

-10	6	14	90.91	98.26	259.23 o
-8	6	14	3064.69	3109.74	376.78 o
-6	6	14	40.84	-47.99	204.40 o
-4	6	14	333.06	438.08	235.59 o
-2	6	14	36383.57	35590.74	961.22 o
0	6	14	2811.24	2573.26	228.98 o
2	6	14	364.39	278.58	260.37 o
4	6	14	754.63	1015.67	297.44 o
6	6	14	2376.09	2524.21	393.90 o
-11	7	14	2484.10	1967.33	382.27 o
-9	7	14	155.11	503.62	267.71 o
-7	7	14	174.91	148.64	260.70 o
-5	7	14	834.28	1011.43	293.03 o
-3	7	14	1489.04	2051.51	340.21 o
1	7	14	1492.71	1450.06	342.54 o
3	7	14	253.28	412.87	291.51 o
5	7	14	66.31	251.02	302.54 o
-8	8	14	988.87	1520.17	362.71 o
-6	8	14	1.16	48.97	288.85 o
-4	8	14	13329.87	12867.13	779.49 o
-2	8	14	1565.07	1532.29	336.24 o
0	8	14	3543.62	3350.25	299.17 o
2	8	14	1014.54	619.87	314.17 o
-9	1	15	1001.33	1321.75	251.24 o
-7	1	15	6785.30	6499.24	401.62 o
-5	1	15	3.54	-154.34	154.34 o
-3	1	15	335.76	124.67	152.50 o
-1	1	15	3771.89	3447.71	283.20 o
1	1	15	7547.77	7831.97	416.51 o
3	1	15	853.01	438.08	201.41 o
5	1	15	3033.28	2749.26	319.34 o
7	1	15	851.17	477.21	259.45 o
9	1	15	1699.22	2140.85	359.55 o
-16	2	15	146.59	475.36	308.96 o
-14	2	15	466.62	473.63	267.55 o
-12	2	15	1891.84	1738.10	292.11 o
-10	2	15	2406.02	2354.00	303.69 o
-8	2	15	1036.96	1516.15	236.35 o
-6	2	15	1718.74	1604.19	235.59 o
-4	2	15	399.86	279.94	178.74 o
-2	2	15	41.56	31.85	155.05 o
0	2	15	107.87	57.79	142.90 o
2	2	15	1499.35	1516.64	252.82 o
4	2	15	8100.75	7905.61	455.53 o
6	2	15	5504.36	5828.51	439.17 o
8	2	15	56.30	23.80	260.53 o
-15	3	15	10815.17	10551.07	648.62 o
-13	3	15	34.25	87.55	257.17 o
-11	3	15	796.88	860.41	268.69 o
-9	3	15	2096.13	1804.60	193.57 o
-7	3	15	1969.74	2096.18	263.03 o
-5	3	15	103.29	82.39	164.72 o
-3	3	15	761.40	1076.43	209.07 o
-1	3	15	889.05	623.95	190.70 o



1	3	15	5573.20	5217.28	373.74 o
3	3	15	1360.94	1648.52	188.48 o
5	3	15	523.57	619.93	190.58 o
7	3	15	62.10	221.32	288.12 o
9	3	15	117.31	-187.85	207.30 o
-14	4	15	42.84	-191.41	274.66 o
-12	4	15	9614.44	9977.66	586.12 o
-10	4	15	27162.82	27814.69	879.26 o
-8	4	15	17927.30	18559.94	694.05 o
-6	4	15	430.86	492.81	218.47 o
-4	4	15	1509.74	1413.11	230.16 o
-2	4	15	321.41	455.20	197.55 o
0	4	15	16818.35	16578.96	968.31 o
2	4	15	7989.53	7505.90	457.87 o
4	4	15	2056.98	2023.14	325.48 o
6	4	15	6751.92	6720.70	507.27 o
8	4	15	150.11	-147.82	261.46 o
-13	5	15	1997.67	2445.79	370.86 o
-11	5	15	489.10	441.56	284.34 o
-9	5	15	27.39	392.22	261.68 o
-7	5	15	7160.17	6500.33	439.88 o
-5	5	15	4846.33	4770.12	382.98 o
-3	5	15	7027.18	6847.66	435.69 o
-1	5	15	208.25	-101.74	223.36 o
1	5	15	3348.60	3138.92	344.99 o
3	5	15	224.76	-215.86	215.86 o
5	5	15	9358.35	11023.55	627.37 o
7	5	15	40.56	-146.79	260.05 o
-12	6	15	40.95	-140.65	290.59 o
-10	6	15	4412.35	4339.42	442.70 o
-8	6	15	1477.34	1464.63	320.91 o
-6	6	15	207.97	160.16	247.87 o
-4	6	15	915.50	1060.35	300.15 o
-2	6	15	661.22	1735.22	385.15 o
0	6	15	21.70	-171.25	171.25 o
2	6	15	504.30	575.80	290.37 o
4	6	15	3252.66	4235.02	443.08 o
-9	7	15	8389.50	7849.25	578.95 o
-7	7	15	1524.61	1154.47	335.10 o
-5	7	15	3975.16	3678.74	425.42 o
-3	7	15	12531.88	12305.58	667.91 o
-1	7	15	12986.47	11722.55	651.28 o
1	7	15	9251.31	9280.29	596.18 o
3	7	15	7502.87	7895.67	591.88 o
-4	8	15	995.50	967.03	322.38 o
-2	8	15	648.80	774.00	321.89 o
-6	0	16	878.94	1063.82	215.86 o
-4	0	16	1605.54	1665.22	245.16 o
-2	0	16	5524.29	5146.73	359.88 o
0	0	16	97726.44	97687.39	1032.42 o
-9	1	16	26.25	155.21	202.66 o
-7	1	16	156.60	395.64	207.87 o
-5	1	16	8764.78	9266.49	473.14 o
-3	1	16	390.10	361.46	174.29 o

-1	1	16	6333.47	6212.19	377.16 o
1	1	16	904.63	724.11	204.45 o
3	1	16	4166.18	3657.76	345.37 o
5	1	16	665.76	707.37	261.95 o
7	1	16	1344.28	1585.87	327.54 o
9	1	16	3674.17	2602.31	399.66 o
-14	2	16	299.95	-131.95	279.01 o
-10	2	16	188.21	-161.79	219.12 o
-8	2	16	85.65	-58.86	179.89 o
-6	2	16	6.80	0.43	177.77 o
-4	2	16	4650.45	4194.92	340.59 o
-2	2	16	398.31	334.83	185.43 o
0	2	16	103.40	196.53	124.89 o
2	2	16	656.35	1072.74	242.60 o
4	2	16	978.42	745.25	250.81 o
6	2	16	1660.56	2065.53	343.30 o
8	2	16	6959.52	7787.90	565.42 o
-15	3	16	2209.34	2168.79	383.14 o
-13	3	16	5388.90	5653.73	466.13 o
-11	3	16	2190.52	2283.62	337.54 o
-9	3	16	8024.52	7864.53	336.23 o
-7	3	16	315.01	82.07	220.02 o
-5	3	16	1575.42	1656.85	185.47 o
-3	3	16	3069.29	2977.38	208.94 o
-1	3	16	5562.71	5356.68	268.95 o
1	3	16	153.21	111.38	206.08 o
3	3	16	0.04	324.71	192.41 o
5	3	16	1513.50	1362.39	222.00 o
7	3	16	82.75	-9.05	176.39 o
-14	4	16	1672.73	1416.26	358.09 o
-12	4	16	205.66	-238.80	238.80 o
-10	4	16	66.41	16.14	244.94 o
-8	4	16	4925.81	5533.41	416.73 o
-6	4	16	3390.82	3511.57	344.06 o
-4	4	16	3580.84	2961.70	325.70 o
-2	4	16	3620.00	3474.61	339.28 o
0	4	16	533.34	536.68	212.71 o
2	4	16	2000.47	2355.03	338.03 o
4	4	16	5766.97	6176.21	480.09 o
6	4	16	1841.45	2215.09	374.66 o
-11	5	16	2.18	172.82	248.52 o
-9	5	16	13028.57	13891.61	683.24 o
-7	5	16	72.81	-198.96	214.50 o
-5	5	16	6.90	109.29	252.98 o
-3	5	16	3258.25	3651.19	367.76 o
-1	5	16	2063.34	1964.34	307.71 o
1	5	16	6882.12	6728.91	484.71 o
3	5	16	4409.37	4869.35	449.60 o
5	5	16	610.30	654.00	307.87 o
-10	6	16	1599.51	1264.52	339.39 o
-8	6	16	892.87	1104.80	321.67 o
-6	6	16	14973.27	14966.52	755.03 o
-4	6	16	84.15	319.07	265.64 o
-2	6	16	3192.90	3534.78	410.15 o

0	6	16	2682.64	2762.06	325.59 o
2	6	16	1024.48	609.44	295.26 o
4	6	16	1499.15	717.48	311.51 o
-7	7	16	1047.87	473.73	325.10 o
-5	7	16	447.87	732.04	310.10 o
-3	7	16	943.71	1136.21	323.09 o
-1	7	16	942.14	1458.10	354.44 o
1	7	16	2547.71	2415.41	408.08 o
-9	1	17	3110.27	3376.79	343.74 o
-7	1	17	7896.40	7923.98	453.52 o
-5	1	17	47.28	-185.05	185.05 o
-3	1	17	3276.55	3618.31	334.72 o
-1	1	17	1664.41	1277.08	255.86 o
1	1	17	42.46	32.28	212.60 o
3	1	17	411.11	593.95	244.18 o
5	1	17	1631.56	1325.61	329.07 o
7	1	17	2323.64	1472.67	357.87 o
-14	2	17	491.98	526.67	305.53 o
-12	2	17	7875.86	7307.64	525.20 o
-10	2	17	7108.54	7710.67	508.73 o
-8	2	17	8892.23	8236.20	490.53 o
-6	2	17	12842.85	12687.96	626.56 o
-4	2	17	233.68	269.88	203.25 o
-2	2	17	8750.72	8330.05	465.80 o
0	2	17	4614.51	4318.95	262.02 o
2	2	17	34010.24	34877.94	979.04 o
4	2	17	2318.46	2000.59	344.34 o
6	2	17	11639.45	11605.65	644.38 o
-13	3	17	1259.57	2054.77	355.80 o
-11	3	17	1457.87	1806.73	336.35 o
-9	3	17	83.61	131.68	332.73 o
-7	3	17	2082.98	2260.38	222.28 o
-5	3	17	125.12	167.41	240.35 o
-3	3	17	336.48	188.57	208.58 o
-1	3	17	5135.64	4537.66	270.32 o
1	3	17	230.71	197.08	166.31 o
3	3	17	1177.58	996.81	258.01 o
5	3	17	1858.57	2225.07	250.94 o
-12	4	17	1200.94	1071.27	335.64 o
-10	4	17	8258.42	9016.99	575.74 o
-8	4	17	517.86	785.41	277.55 o
-6	4	17	2712.46	2593.28	352.76 o
-4	4	17	890.73	611.99	259.23 o
-2	4	17	582.54	761.06	253.42 o
0	4	17	912.77	1266.57	206.89 o
2	4	17	390.13	129.89	246.19 o
4	4	17	1077.32	851.44	308.31 o
-11	5	17	6794.63	5748.51	522.81 o
-9	5	17	0.06	317.05	266.68 o
-7	5	17	1369.80	1241.59	321.73 o
-5	5	17	7578.06	7988.05	537.21 o
-3	5	17	3936.25	4830.93	435.42 o
-1	5	17	6643.03	6547.23	502.81 o
1	5	17	523.88	516.12	270.64 o

3	5	17	772.75	688.08	317.22 o
-8	6	17	208.26	355.48	287.16 o
-6	6	17	943.47	910.41	309.28 o
-4	6	17	3525.08	3958.35	416.83 o
-2	6	17	1326.09	1417.45	327.11 o
0	6	17	3728.85	3701.50	309.86 o
2	6	17	448.22	-283.14	283.14 o
-9	1	18	106.88	241.95	257.76 o
-7	1	18	87.64	-198.47	198.47 o
-5	1	18	19.69	398.47	216.03 o
-3	1	18	4495.29	4233.83	382.43 o
-1	1	18	6509.00	7359.16	458.14 o
1	1	18	1882.63	2244.17	341.29 o
3	1	18	280.70	-82.93	245.10 o
5	1	18	4477.57	4743.27	458.35 o
-12	2	18	19.86	512.86	280.75 o
-10	2	18	1762.63	1835.97	344.88 o
-8	2	18	2271.47	2958.49	348.03 o
-6	2	18	9816.89	9226.65	519.82 o
-4	2	18	330.49	751.33	252.65 o
-2	2	18	3914.47	3855.15	374.55 o
0	2	18	7777.49	7645.14	359.31 o
2	2	18	417.21	1099.37	295.70 o
4	2	18	12559.09	13095.77	679.71 o
-11	3	18	2809.41	2747.41	382.98 o
-9	3	18	10246.41	10152.65	476.53 o
-7	3	18	3433.94	3949.54	481.75 o
-5	3	18	19.98	-34.01	161.67 o
-3	3	18	7470.35	7549.06	643.48 o
-1	3	18	3900.87	3529.94	274.44 o
1	3	18	8285.02	8195.73	388.88 o
3	3	18	513.95	244.90	181.86 o
5	3	18	858.72	789.51	226.65 o
-10	4	18	12983.50	12819.74	737.86 o
-8	4	18	1294.14	1435.55	320.42 o
-6	4	18	20.50	-234.56	234.56 o
-4	4	18	613.59	416.07	275.91 o
-2	4	18	1892.59	1866.41	344.66 o
0	4	18	4268.74	4226.76	305.93 o
2	4	18	2386.38	2187.37	349.06 o
4	4	18	196.86	23.80	294.61 o
-9	5	18	4299.04	4301.38	468.25 o
-7	5	18	2803.35	3375.38	414.66 o
-3	5	18	4942.31	5220.97	466.94 o
-1	5	18	482.65	593.08	275.64 o
1	5	18	8217.58	8165.44	587.59 o
-6	6	18	788.93	367.32	327.33 o
-4	6	18	1098.97	1380.39	366.46 o
-2	6	18	2942.80	3091.91	415.10 o
-9	1	19	3766.05	4015.90	418.14 o
-7	1	19	47.28	-228.25	228.25 o
-5	1	19	2527.34	3338.91	383.41 o
-3	1	19	166.83	14.51	229.12 o
-1	1	19	1150.54	1334.30	286.57 o

1	1	19	1576.30	1665.33	339.55 o
3	1	19	540.28	1169.85	333.14 o
-12	2	19	13.65	-247.76	247.76 o
-10	2	19	22.66	178.85	269.61 o
-8	2	19	699.07	874.21	304.99 o
-6	2	19	10866.91	11308.49	616.72 o
-4	2	19	906.24	928.67	289.18 o
-2	2	19	9148.90	9713.87	579.60 o
0	2	19	1408.11	1385.01	227.56 o
2	2	19	209.21	208.74	265.05 o
4	2	19	92.20	376.40	287.76 o
-11	3	19	2650.72	2952.85	300.07 o
-9	3	19	3582.74	3448.89	352.76 o
-7	3	19	3993.99	3658.77	287.27 o
-5	3	19	267.57	576.20	193.29 o
-3	3	19	5143.27	5196.31	766.63 o
-1	3	19	644.95	480.87	390.94 o
1	3	19	8172.38	8496.03	402.54 o
3	3	19	3157.24	2892.02	286.41 o
-8	4	19	2151.09	2163.84	378.09 o
-6	4	19	1758.56	1888.25	339.23 o
-4	4	19	180.81	-133.09	228.80 o
-2	4	19	711.13	1435.22	317.92 o
0	4	19	828.05	738.73	355.72 o
-7	5	19	7942.52	6952.38	547.97 o
-5	5	19	5841.41	6602.12	539.33 o
-3	5	19	445.74	-249.18	274.23 o
-1	5	19	952.74	1050.40	329.45 o
-9	1	20	11093.97	10051.68	626.07 o
-7	1	20	2247.80	2260.20	367.43 o
-5	1	20	12686.20	13038.54	676.28 o
-3	1	20	756.37	682.15	285.21 o
-1	1	20	456.87	301.46	263.09 o
1	1	20	5223.66	4636.97	460.47 o
-8	2	20	16070.94	16205.99	804.87 o
-6	2	20	1216.99	1812.50	337.98 o
-4	2	20	11489.14	11341.69	629.93 o
-2	2	20	728.60	715.14	289.23 o
0	2	20	1.06	303.18	344.04 o
-9	3	20	2409.41	2331.61	307.19 o
-7	3	20	1536.12	1444.34	243.88 o
-5	3	20	271.37	178.71	194.38 o
-3	3	20	268.16	31.11	181.46 o
-1	3	20	19438.41	19002.67	1267.16 o
-6	4	20	7019.07	6637.07	549.49 o
-4	4	20	81.29	419.61	288.25 o
-2	4	20	4080.04	4190.62	463.25 o
-7	1	21	2890.85	2433.40	395.31 o
-5	1	21	1702.40	1192.03	335.53 o
-3	1	21	416.79	988.83	336.67 o
-1	1	21	3604.42	4037.42	449.82 o
-6	2	21	162.60	835.79	302.60 o
-4	2	21	1096.38	1094.26	333.41 o
-2	2	21	4.30	428.19	280.05 o

