

Observed and calculated structure factors for [(UO₂)Mo₂O₇(H₂O)]

6	0	0	3809906.50	2517856.50	321571.81	o	-9	5	5	110.02	945.61	1174.08	o
8	0	0	27.41	-532.70	532.70	o	-7	5	5	15734.40	13023.94	1366.81	o
10	0	0	130.75	-172.37	608.67	o	-5	5	5	2326.12	2985.78	1167.26	o
12	0	0	2356999.50	1921979.50	66825.45	o	-3	5	5	324.36	388.70	1134.48	o
14	0	0	86.84	-542.60	762.68	o	-1	5	5	8323.33	7030.13	1205.92	o
16	0	0	338.60	-385.01	767.06	o	1	5	5	23672.43	25277.56	1453.10	o
18	0	0	2341140.75	2307533.75	148444.84	o	3	5	5	345.67	-334.75	1025.73	o
20	0	0	63.96	449.26	897.67	o	5	5	5	948.01	647.77	1113.26	o
22	0	0	0.52	-116.09	899.88	o	7	5	5	44706.36	42434.96	1429.93	o
24	0	0	579953.38	492693.81	22694.64	o	9	5	5	98.69	-209.14	958.11	o
26	0	0	703.94	666.20	1538.03	o	11	5	5	852.81	843.86	1038.65	o
28	0	0	29.24	-96.11	1410.75	o	13	5	5	67181.40	67111.02	1945.60	o
30	0	0	240303.63	199165.09	5591.48	o	15	5	5	292.90	1210.68	1409.59	o
32	0	0	2024.66	-295.84	1480.39	o	17	5	5	2457.36	1809.44	1441.42	o
34	0	0	888.98	1118.26	1529.74	o	19	5	5	72341.95	63305.65	24408.16	o
36	0	0	164519.58	128818.04	3228.41	o	21	5	5	128.34	1468.49	2778.23	o
38	0	0	1165.71	1031.98	2520.41	o	23	5	5	4623.15	1946.05	2325.59	o
40	0	0	967.04	-773.97	2460.83	o	25	5	5	52486.94	56502.08	7961.59	o
42	0	0	31804.98	23695.29	3220.33	o	27	5	5	156.78	56.58	3572.01	o
44	0	0	2022.43	1270.17	2818.20	o	29	5	5	4260.60	2143.69	3116.29	o
46	0	0	1397.27	-1448.74	2897.48	o	31	5	5	31432.70	37230.38	4015.24	o
1	1	0	95.21	-17.04	186.17	o	33	5	5	155.93	1488.34	3274.34	o
3	1	0	65871.55	67436.38	1536.39	o	-28	6	5	38559.18	55925.82	9534.35	o
5	1	0	97.88	27.87	201.59	o	-26	6	5	56917.73	46811.29	3175.40	o
7	1	0	0.26	161.67	285.79	o	-24	6	5	493.05	-543.76	1992.71	o
9	1	0	552.48	2620.70	416.36	o	-22	6	5	67305.36	76307.91	22844.95	o
11	1	0	129.97	88.40	529.97	o	-20	6	5	95640.58	94743.12	4407.04	o
13	1	0	587.85	7.76	1254.51	o	-18	6	5	578.31	2202.80	2262.33	o
15	1	0	16667.01	17958.73	2088.22	o	-16	6	5	71718.88	55736.82	3427.51	o
17	1	0	44.18	-524.82	1362.98	o	-14	6	5	138933.23	140610.19	6462.47	o
19	1	0	110.92	-28.06	828.26	o	-12	6	5	72.87	-23.12	1454.21	o
21	1	0	2066.55	1797.94	795.12	o	-10	6	5	70246.59	65343.81	5065.05	o
23	1	0	44.68	-344.34	919.88	o	-8	6	5	150776.80	155998.75	3155.68	o
25	1	0	422.57	20.45	943.16	o	-6	6	5	348.31	114.92	1344.78	o
27	1	0	18918.27	18478.67	1144.79	o	-4	6	5	92004.61	89094.14	2475.18	o
29	1	0	260.12	-305.45	960.12	o	-2	6	5	215468.36	224291.47	6597.07	o
31	1	0	204.26	-1219.37	1219.37	o	0	6	5	245.76	244.67	1237.15	o
33	1	0	5592.07	6061.89	1363.88	o	2	6	5	76474.28	70315.76	5035.26	o
35	1	0	202.44	-289.77	1354.88	o	4	6	5	262269.91	253999.72	5939.12	o
37	1	0	7.24	-409.58	1392.03	o	6	6	5	465.38	-302.02	1302.68	o
39	1	0	16356.10	22353.41	1733.93	o	8	6	5	52883.26	46114.68	5313.23	o
41	1	0	365.25	126.20	1574.67	o	10	6	5	200134.63	192163.28	10709.07	o
43	1	0	10.28	687.14	2047.39	o	12	6	5	97.49	-1448.65	2480.56	o
45	1	0	15271.25	21607.56	3356.32	o	14	6	5	48716.02	52583.18	2965.36	o
0	2	0	1767975.00	2024908.88	141934.28	o	16	6	5	203526.41	213017.47	7168.18	o
2	2	0	84.41	-336.12	336.12	o	18	6	5	203.25	497.38	2622.94	o
4	2	0	442.02	163.35	351.84	o	20	6	5	33893.77	40857.81	5865.23	o
6	2	0	914368.50	906199.44	47918.82	o	26	6	5	19964.36	14779.78	5204.71	o
8	2	0	220.74	101.29	334.06	o	28	6	5	109441.24	127222.80	7084.56	o
10	2	0	5.21	121.06	383.29	o	-21	7	5	804.14	-264.41	2560.03	o
12	2	0	602456.81	598748.38	14491.15	o	-19	7	5	6962.05	4446.76	2957.89	o
14	2	0	42.15	135.11	578.28	o	-17	7	5	56907.55	65425.75	4020.69	o
16	2	0	18.02	397.69	717.89	o	-15	7	5	300.18	-210.68	1850.52	o
18	2	0	625582.06	666274.56	57443.59	o	-13	7	5	4213.73	4574.25	1831.38	o
20	2	0	70.42	367.75	1443.76	o	-11	7	5	30802.02	31667.24	2174.98	o
22	2	0	661.63	1363.49	1331.13	o	-9	7	5	21.09	-24.34	1642.54	o
24	2	0	232448.50	206193.38	10958.24	o	-7	7	5	1774.76	611.37	1631.32	o
26	2	0	311.95	382.26	1291.76	o	-5	7	5	17895.23	17715.13	1836.31	o
28	2	0	79.21	397.26	1279.73	o	-3	7	5	1039.41	926.22	1522.92	o
30	2	0	94518.19	90815.15	2980.06	o	-1	7	5	734.08	458.03	1483.93	o
32	2	0	775.78	192.21	1383.91	o	1	7	5	1168.60	1159.07	1475.53	o
34	2	0	5.17	-419.85	1397.49	o	3	7	5	435.21	346.86	1478.37	o
36	2	0	69076.05	69773.05	6206.88	o	5	7	5	6409.64	6553.66	2650.18	o
38	2	0	636.06	-557.85	1844.28	o	7	7	5	5055.31	4456.47	2351.17	o
40	2	0	4.63	-577.82	1905.89	o	9	7	5	7.44	-723.32	2331.34	o
42	2	0	24444.45	24747.12	2409.34	o	11	7	5	10875.18	9109.80	3911.69	o
44	2	0	664.48	-476.28	3135.51	o	13	7	5	11319.25	11199.13	2660.79	o
1	3	0	28.88	-270.94	459.95	o	17	7	5	20046.33	30751.82	5323.96	o
3	3	0	88102.32	86879.80	4815.33	o	19	7	5	19792.61	7965.85	4310.69	o
5	3	0	82.79	-11.73	493.07	o	21	7	5	334.34	-2401.21	4187.23	o
7	3	0	163.05	-496.98	496.98	o	23	7	5	24223.63	34353.15	5821.56	o
9	3	0	6361.44	7038.86	609.46	o	-12	8	5	53.99	-1031.91	3056.04	o
11	3	0	24.75	112.28	574.19	o	-10	8	5	10089.16	13223.14	3256.15	o
13	3	0	123.74	-222.69	585.18	o	-8	8	5	98941.21	115621.22	4946.36	o
15	3	0	13324.69	15418.09	892.06	o	-6	8	5	119.96	-595.33	2917.14	o
17	3	0	372.93	-338.98	757.47	o	-4	8	5	17842.24	19172.07	2108.15	o
19	3	0	512.62	328.31	857.83	o	-2	8	5	81847.43	88877.90	4020.03	o
21	3	0	25970.91	25446.65	1855.52	o	0	8	5	45.03	-1731.71	2538.46	o
23	3	0	1128.86	-220.93	1382.23	o	2	8	5	28706.64	28497.59	3120.21	o

25	3	0	680.52	-198.45	2063.92	o	4	8	5	50806.43	57951.21	3560.04	o
27	3	0	82522.58	90457.35	3183.83	o	6	8	5	112.16	1218.56	2486.71	o
29	3	0	1321.76	-580.81	1620.69	o	8	8	5	34706.32	36297.84	9780.82	o
31	3	0	24.21	-1712.13	1712.13	o	10	8	5	28756.21	29427.90	3207.04	o
33	3	0	50687.40	59481.00	2757.03	o	-42	0	6	20110.67	20182.49	5581.97	o
35	3	0	1831.73	-39.69	1908.57	o	-34	0	6	669.22	3373.67	4445.31	o
37	3	0	3.69	764.87	1933.99	o	-32	0	6	2023.48	-158.77	3512.88	o
39	3	0	88558.02	105286.40	6530.20	o	-28	0	6	153.54	1190.67	2758.39	o
41	3	0	3176.98	603.66	2012.14	o	-26	0	6	1295.22	-873.23	2599.84	o
43	3	0	84.21	-3016.35	3016.35	o	-24	0	6	294508.78	387963.03	8387.73	o
0	4	0	8872.66	10596.62	972.11	o	-22	0	6	339.65	-377.68	1221.69	o
2	4	0	56.42	670.82	620.98	o	-20	0	6	38.34	475.91	2778.22	o
4	4	0	45.55	472.53	586.88	o	-18	0	6	993704.56	1039011.00	9470.10	o
6	4	0	7042.26	6344.07	685.35	o	-16	0	6	82.71	-1329.58	1329.58	o
8	4	0	0.20	623.49	601.87	o	-14	0	6	75.68	853.31	1150.98	o
10	4	0	615.10	590.18	622.72	o	-12	0	6	995613.75	1064987.75	9081.34	o
12	4	0	6383.14	6824.40	926.09	o	-10	0	6	141.15	-555.65	932.70	o
14	4	0	222.73	-228.11	898.55	o	-8	0	6	107.91	1031.92	972.38	o
16	4	0	8.54	-29.75	987.37	o	-6	0	6	1491444.25	1658799.13	12341.75	o
18	4	0	4122.81	5408.21	1083.02	o	-4	0	6	274.47	396.90	992.25	o
20	4	0	231.65	444.14	1033.23	o	-2	0	6	71.66	873.16	972.38	o
22	4	0	68.14	458.44	1311.02	o	0	0	6	2955241.75	3551389.75	23118.41	o
24	4	0	35097.59	33711.89	2018.11	o	2	0	6	109.16	-238.14	1031.92	o
26	4	0	558.54	-456.44	1964.66	o	4	0	6	402.73	635.05	952.57	o
28	4	0	643.23	416.75	2083.74	o	6	0	6	1668918.88	1789619.63	14166.16	o
30	4	0	20694.47	24661.39	2326.42	o	8	0	6	73.60	-436.58	1230.36	o
32	4	0	649.32	434.63	1891.47	o	10	0	6	185.51	-456.43	1448.66	o
34	4	0	9.28	2220.55	2047.53	o	12	0	6	1287431.63	1342040.00	12531.24	o
36	4	0	16868.62	24645.23	2449.38	o	14	0	6	96.33	538.78	1345.38	o
38	4	0	549.19	859.43	2055.72	o	16	0	6	31.64	-1547.86	1627.24	o
40	4	0	6.18	3512.45	3314.01	o	18	0	6	1254147.75	1286989.63	13615.01	o
1	5	0	241.19	619.00	884.67	o	20	0	6	35.96	-615.18	1845.53	o
3	5	0	59305.66	54678.90	1204.07	o	22	0	6	751.41	-460.89	1398.56	o
5	5	0	434.48	505.62	745.18	o	24	0	6	456644.91	446567.06	8234.94	o
7	5	0	133.24	470.63	971.71	o	26	0	6	454.63	-384.71	1754.29	o
9	5	0	39937.14	40487.36	1688.76	o	28	0	6	414.58	-772.70	2063.71	o
11	5	0	293.97	163.81	912.64	o	30	0	6	217915.66	202717.75	5309.07	o
13	5	0	257.21	-386.58	951.37	o	32	0	6	1043.08	1885.33	3810.35	o
15	5	0	78165.63	73578.88	6429.31	o	38	0	6	622.50	-615.20	4385.75	o
17	5	0	35.60	954.38	1054.90	o	40	0	6	523.68	-744.79	3269.81	o
19	5	0	735.92	-1109.09	1109.09	o	42	0	6	34637.95	25763.55	4691.51	o
21	5	0	110865.75	94053.13	4360.20	o	-35	1	6	131.25	-2679.01	4703.15	o
23	5	0	530.52	328.02	1422.53	o	-33	1	6	5838.90	8822.16	3076.31	o
25	5	0	68.26	1674.37	1892.30	o	-31	1	6	193.35	-893.01	3532.34	o
27	5	0	95416.85	96090.88	4530.14	o	-29	1	6	185.87	1190.68	2421.04	o
29	5	0	17.25	1051.75	2659.15	o	-27	1	6	12300.49	11929.66	1747.20	o
31	5	0	67.82	317.51	2877.44	o	-25	1	6	235.66	-593.66	1459.04	o
33	5	0	93039.05	108724.36	4073.17	o	-23	1	6	286.88	625.93	1506.30	o
35	5	0	196.97	28.28	2267.32	o	-21	1	6	1754.53	1220.59	1414.53	o
37	5	0	208.40	1805.86	2976.68	o	-19	1	6	496.54	-702.65	1094.27	o
0	6	0	243347.73	221261.98	6073.30	o	-17	1	6	276.81	-502.74	1029.48	o
2	6	0	255.41	-421.77	1076.25	o	-15	1	6	11298.20	10991.32	2220.80	o
4	6	0	525.96	-503.66	1060.63	o	-13	1	6	630.33	-241.20	762.75	o
6	6	0	135111.63	130674.88	5178.17	o	-11	1	6	518.12	337.61	1164.66	o
8	6	0	79.84	-569.47	1186.30	o	-9	1	6	5957.30	6411.10	815.74	o
10	6	0	199.68	-38.74	1194.10	o	-7	1	6	117.65	129.47	721.74	o
12	6	0	82129.85	84865.94	2296.81	o	-5	1	6	564.29	642.01	680.49	o
14	6	0	0.75	-55.20	1253.17	o	-3	1	6	49663.81	51178.37	1556.24	o
16	6	0	114.10	-47.83	1366.79	o	-1	1	6	14.92	-273.52	718.20	o
18	6	0	57792.50	56463.77	3017.07	o	1	1	6	15.84	-156.52	743.26	o
20	6	0	617.76	-571.16	1875.52	o	3	1	6	44237.14	48855.80	2565.56	o
22	6	0	2001.91	-432.75	1997.72	o	5	1	6	197.86	-754.52	754.52	o
24	6	0	4050.51	2740.58	2127.95	o	7	1	6	49.75	115.56	782.51	o
26	6	0	1020.34	-1829.82	2307.28	o	9	1	6	12718.74	12897.63	977.20	o
28	6	0	895.44	1211.59	2599.12	o	11	1	6	329.72	-288.12	1068.90	o
30	6	0	186.78	-119.07	3234.66	o	13	1	6	234.95	1024.91	903.74	o
32	6	0	1219.27	-2361.63	3175.30	o	15	1	6	26491.12	28146.20	1643.93	o
34	6	0	289.25	4524.58	3373.59	o	17	1	6	292.93	-360.18	961.38	o
1	7	0	304.92	1484.51	1739.84	o	19	1	6	413.03	93.17	1048.13	o
3	7	0	346948.13	338497.44	8335.94	o	21	1	6	1798.25	2590.66	1167.78	o
5	7	0	49.48	78.47	1813.48	o	23	1	6	307.21	171.16	1212.31	o
7	7	0	6.29	548.38	1309.96	o	25	1	6	83.58	-80.43	1388.62	o
9	7	0	214979.19	235640.95	5124.39	o	27	1	6	5192.64	5948.29	1848.89	o
11	7	0	41.14	-292.52	1365.96	o	29	1	6	456.83	-1053.02	2008.50	o
13	7	0	9.08	1011.89	1533.07	o	31	1	6	180.53	832.59	1932.36	o
15	7	0	232917.11	254565.86	6041.89	o	33	1	6	2518.50	4798.71	2280.40	o
17	7	0	261.93	152.72	2966.77	o	35	1	6	372.48	2131.58	2925.48	o
19	7	0	324.08	99.22	2639.35	o	37	1	6	162.46	-2202.74	3532.33	o
21	7	0	163081.89	155739.92	14293.46	o	39	1	6	8667.14	9589.59	2971.86	o
23	7	0	6.60	7.31	2256.78	o	41	1	6	468.11	-108.95	2638.73	o
25	7	0	6.83	-2043.97	3413.23	o	-36	2	6	51954.68	36736.50	6009.98	o

0	8	0	255953.48	253002.41	7927.07	○	-34	2	6	78.48	3691.07	3929.20	○
2	8	0	52.17	404.40	2218.49	○	-32	2	6	429.13	954.82	2378.95	○
4	8	0	133.01	312.70	2061.72	○	-30	2	6	74802.70	75590.87	4126.39	○
6	8	0	224043.33	221697.22	5351.66	○	-28	2	6	50.26	687.65	1770.04	○
8	8	0	151.70	-692.27	2350.53	○	-26	2	6	200.53	1281.88	1629.13	○
10	8	0	347.40	1482.49	2463.33	○	-24	2	6	168641.45	175535.06	12123.39	○
12	8	0	160227.97	158390.59	6743.99	○	-22	2	6	103.75	-774.68	1447.52	○
14	8	0	178.03	-760.82	1977.20	○	-20	2	6	183.97	-70.58	1324.84	○
16	8	0	16.93	131.14	2041.34	○	-18	2	6	405031.06	416385.66	11303.73	○
18	8	0	111631.22	113277.69	5089.11	○	-16	2	6	9.38	-1076.43	1076.43	○
20	8	0	7.15	-1539.38	3314.01	○	-14	2	6	542.94	382.60	1075.37	○
-45	1	1	593.80	-119.07	3195.04	○	-12	2	6	443503.94	429398.81	6376.80	○
-43	1	1	38307.86	40008.07	2697.86	○	-10	2	6	251.15	39.69	1369.29	○
-41	1	1	56319.28	105147.47	3441.49	○	-8	2	6	40.75	603.41	1021.99	○
-39	1	1	230.57	239.33	1583.93	○	-6	2	6	623148.75	692366.44	35661.84	○
-37	1	1	32711.03	38752.67	5366.18	○	-4	2	6	230.99	-71.63	906.37	○
-35	1	1	69371.04	99632.32	26239.78	○	-2	2	6	206.08	120.75	882.17	○
-33	1	1	56.78	1237.04	1300.07	○	0	2	6	1031999.81	1126557.50	42955.64	○
-31	1	1	17935.18	20389.91	2562.72	○	2	2	6	213.03	524.01	897.23	○
-29	1	1	107812.43	155313.02	44229.02	○	4	2	6	624.77	655.79	912.93	○
-27	1	1	181.48	408.69	1005.88	○	6	2	6	713002.06	744199.31	5185.04	○
-25	1	1	29323.00	31478.05	5515.69	○	8	2	6	28.38	-18.66	900.59	○
-23	1	1	177854.50	257039.95	53371.64	○	10	2	6	255.13	-254.40	894.84	○
-21	1	1	23.54	159.94	957.32	○	12	2	6	517547.31	506385.78	21225.48	○
-19	1	1	20259.91	22915.54	4834.37	○	14	2	6	649.23	853.01	772.36	○
-17	1	1	140712.17	174556.48	38469.36	○	16	2	6	8.54	503.05	958.28	○
-15	1	1	85.45	214.86	768.73	○	18	2	6	497437.72	504362.47	5243.55	○
-13	1	1	12063.94	16052.72	994.49	○	20	2	6	306.41	1018.94	1129.81	○
-11	1	1	120255.91	109498.40	2610.48	○	22	2	6	166.49	218.96	1220.51	○
-9	1	1	252.14	269.39	637.87	○	24	2	6	241745.66	235354.03	4100.37	○
-7	1	1	44696.53	57899.80	3603.88	○	26	2	6	212.99	384.43	1383.66	○
-5	1	1	106805.00	105505.45	5856.56	○	28	2	6	63.23	782.45	1517.28	○
-3	1	1	25.07	155.67	353.68	○	30	2	6	109082.02	96918.86	3078.99	○
-1	1	1	116722.48	107059.77	12841.94	○	32	2	6	849.68	-199.89	2132.43	○
1	1	1	40962.94	38868.00	742.08	○	34	2	6	38.84	1598.25	2315.14	○
3	1	1	43.72	393.95	253.72	○	36	2	6	71374.40	66094.34	3757.26	○
5	1	1	304353.88	298086.69	7730.43	○	38	2	6	636.68	-1475.91	2593.14	○
7	1	1	15899.80	19861.06	455.46	○	-35	3	6	1361.19	-1270.13	5179.75	○
9	1	1	107.97	271.40	323.67	○	-33	3	6	64590.99	72620.39	12945.01	○
11	1	1	342616.47	331887.66	6088.92	○	-31	3	6	25.91	403.96	2322.03	○
13	1	1	4383.89	5970.55	847.25	○	-29	3	6	759.59	-405.78	1929.15	○
15	1	1	86.54	1115.51	878.40	○	-27	3	6	94729.42	93612.29	4460.92	○
17	1	1	400973.66	344323.69	46476.43	○	-25	3	6	362.71	496.98	1591.70	○
19	1	1	7130.20	12176.10	2708.11	○	-23	3	6	729.51	-1472.82	1472.82	○
21	1	1	9.67	283.42	1006.49	○	-21	3	6	50411.68	45037.03	5983.73	○
23	1	1	504693.44	411189.88	109228.75	○	-19	3	6	381.64	-597.47	1365.35	○
25	1	1	11187.24	15835.63	4363.49	○	-17	3	6	162.78	-1299.44	1299.44	○
27	1	1	276.87	424.16	1058.97	○	-15	3	6	19044.95	20589.93	1668.18	○
29	1	1	306576.19	286369.75	37922.81	○	-13	3	6	361.13	555.66	1309.76	○
31	1	1	6345.70	9407.82	2656.35	○	-11	3	6	180.53	515.96	1468.50	○
33	1	1	137.17	-1184.35	1222.27	○	-9	3	6	11137.08	8501.25	1688.33	○
35	1	1	196768.16	195816.52	24603.70	○	-7	3	6	136.77	-200.25	1301.58	○
37	1	1	11664.57	17569.20	4775.45	○	-5	3	6	4.42	454.39	1399.03	○
39	1	1	462.95	-399.17	1454.17	○	-3	3	6	19803.72	22168.18	1789.09	○
41	1	1	158392.77	170857.39	12761.75	○	-1	3	6	57.95	-396.03	1015.95	○
43	1	1	13883.99	24005.68	6830.17	○	1	3	6	31.45	853.54	1127.01	○
45	1	1	762.63	602.22	2145.71	○	3	3	6	20573.87	23583.94	2157.00	○
-44	2	1	501.64	1468.52	3016.42	○	5	3	6	12.44	1058.48	1148.83	○
-42	2	1	273.23	-616.56	2123.08	○	7	3	6	245.16	-242.64	1129.18	○
-40	2	1	27722.43	29066.78	3974.90	○	9	3	6	9827.16	8937.75	1263.91	○
-38	2	1	264.93	942.62	1936.46	○	11	3	6	182.24	-643.40	1041.67	○
-36	2	1	135.59	334.62	1781.42	○	13	3	6	127.53	-349.84	828.20	○
-34	2	1	79135.18	78635.72	15853.51	○	15	3	6	19561.88	17818.43	1430.69	○
-32	2	1	302.13	198.15	1369.76	○	17	3	6	343.77	-177.97	967.68	○
-30	2	1	264.74	-517.84	1349.31	○	19	3	6	237.55	309.52	1052.56	○
-28	2	1	114907.66	98574.79	20437.73	○	21	3	6	22351.57	21987.67	3950.52	○
-26	2	1	1620.94	2224.47	1694.94	○	23	3	6	474.41	197.11	1212.10	○
-24	2	1	93.57	1391.27	1283.16	○	25	3	6	476.49	-1050.32	1273.67	○
-22	2	1	275741.03	186117.11	6317.66	○	27	3	6	50739.88	50193.06	7256.03	○
-20	2	1	10233.62	20360.46	4085.50	○	29	3	6	832.94	821.90	1594.20	○
-18	2	1	193.82	201.47	933.42	○	31	3	6	9.38	-363.94	2043.97	○
-16	2	1	508473.59	341024.78	58420.99	○	33	3	6	37013.62	37324.28	3738.39	○
-14	2	1	19230.59	25989.08	3636.36	○	35	3	6	1178.36	-1944.87	2877.61	○
-12	2	1	217.98	691.45	604.03	○	37	3	6	63.53	-2092.85	2467.16	○
-10	2	1	306955.78	292723.63	6231.92	○	-34	4	6	88.86	-989.96	3501.22	○
-8	2	1	16928.71	18139.89	887.91	○	-32	4	6	553.14	3112.91	3010.19	○
-6	2	1	480.10	255.36	338.34	○	-30	4	6	25404.34	27251.91	2260.23	○
-4	2	1	501420.56	452409.66	18337.61	○	-28	4	6	551.41	-165.67	2065.32	○
-2	2	1	180663.52	181388.14	1330.01	○	-26	4	6	288.68	-285.19	1873.82	○
0	2	1	6.18	173.62	287.47	○	-24	4	6	33988.85	34942.05	3599.22	○
2	2	1	514179.78	548831.63	19670.45	○	-22	4	6	309.70	-19.44	1646.43	○

4	2	1	176070.70	149218.08	7593.81	o	-20	4	6	314.49	416.24	1523.22	o
6	2	1	328.04	319.56	407.63	o	-18	4	6	13112.36	14623.66	2015.95	o
8	2	1	48272.55	49460.05	1519.12	o	-16	4	6	297.52	-90.55	1522.16	o
10	2	1	107724.21	99804.67	8158.33	o	-14	4	6	257.41	515.96	1528.04	o
12	2	1	239.00	-301.50	473.01	o	-12	4	6	19867.17	20170.70	2027.01	o
14	2	1	53988.89	58659.10	4518.87	o	-10	4	6	454.46	78.37	1487.93	o
16	2	1	178683.59	188388.38	21808.15	o	-8	4	6	41.83	-654.87	1404.88	o
18	2	1	516.17	-97.66	666.01	o	-6	4	6	12283.73	11170.17	1548.37	o
20	2	1	28180.91	33782.47	5103.58	o	-4	4	6	139.58	88.93	1508.19	o
22	2	1	97106.72	130166.27	22347.73	o	-2	4	6	187.41	-160.34	1245.32	o
24	2	1	195.88	458.19	1227.33	o	0	4	6	2494.57	3267.60	1069.46	o
26	2	1	3403.51	6799.50	3473.66	o	2	4	6	73.71	-100.27	975.62	o
28	2	1	40297.70	52870.78	29076.75	o	4	4	6	124.36	1335.46	1072.83	o
30	2	1	189.29	-183.97	1392.61	o	6	4	6	13334.20	12477.82	1161.21	o
32	2	1	853.96	3307.67	1421.74	o	8	4	6	17.50	-804.74	1061.70	o
34	2	1	27774.68	40494.73	10302.69	o	10	4	6	532.08	808.60	1228.56	o
36	2	1	54.67	831.33	1623.19	o	12	4	6	9778.48	9684.26	1424.51	o
38	2	1	705.86	2289.74	1727.88	o	14	4	6	93.03	-776.24	879.41	o
40	2	1	9790.24	12440.31	6909.54	o	16	4	6	162.66	50.08	979.35	o
42	2	1	216.46	-918.38	1891.42	o	18	4	6	8218.83	8369.62	1372.74	o
44	2	1	904.48	1686.85	3095.86	o	20	4	6	143.55	496.02	1147.52	o
-43	3	1	19539.58	19685.27	3595.39	o	22	4	6	135.55	-55.71	1285.45	o
-41	3	1	15120.28	18002.32	9453.40	o	24	4	6	28170.03	27429.18	1719.65	o
-39	3	1	361.69	-132.62	2011.85	o	26	4	6	285.42	475.68	1432.07	o
-37	3	1	34012.88	31363.95	4543.08	o	28	4	6	581.43	1787.78	2221.06	o
-35	3	1	24985.17	28894.59	13195.82	o	30	4	6	17311.40	11204.00	2655.58	o
-33	3	1	347.35	1040.36	1813.90	o	32	4	6	345.37	-1031.93	2798.11	o
-31	3	1	49026.39	40548.50	11734.49	o	34	4	6	48.11	-1885.22	3016.35	o
-29	3	1	27174.20	46399.96	3618.16	o	-31	5	6	31.55	3332.65	3111.87	o
-27	3	1	378.84	1984.49	2599.68	o	-29	5	6	240.63	-720.98	2046.72	o
-25	3	1	67262.92	42370.66	3709.12	o	-27	5	6	101443.69	108116.80	5383.57	o
-23	3	1	54265.81	84572.08	8947.02	o	-25	5	6	89.39	568.36	1971.31	o
-21	3	1	613.03	-22.54	1702.86	o	-23	5	6	1377.41	-882.06	3294.42	o
-19	3	1	139140.47	118400.04	10915.78	o	-21	5	6	125523.70	119018.48	5992.86	o
-17	3	1	80445.63	80415.36	5145.34	o	-19	5	6	461.58	-91.17	1723.16	o
-15	3	1	758.90	197.92	751.89	o	-17	5	6	14.64	-555.64	1924.90	o
-13	3	1	166065.14	161897.48	4293.80	o	-15	5	6	98469.50	104864.54	3973.35	o
-11	3	1	58834.55	60703.10	4018.92	o	-13	5	6	48.31	-575.49	1746.31	o
-9	3	1	199.60	688.87	578.60	o	-11	5	6	53.52	2679.59	1642.80	o
-7	3	1	158410.30	162505.38	5953.50	o	-9	5	6	63932.18	68768.81	2700.33	o
-5	3	1	102703.83	101203.26	1143.21	o	-7	5	6	85.50	323.42	1448.14	o
-3	3	1	258.70	-107.11	496.20	o	-5	5	6	579.34	1213.35	1217.29	o
-1	3	1	339034.59	348740.22	11102.77	o	-3	5	6	74139.43	71836.92	2119.24	o
1	3	1	119143.84	118278.52	1800.57	o	-1	5	6	111.04	220.66	1147.95	o
3	3	1	193.90	87.14	464.91	o	1	5	6	270.13	294.99	1111.19	o
5	3	1	285845.34	295692.94	7481.11	o	3	5	6	65003.14	63983.44	2780.90	o
7	3	1	56496.31	56056.68	3974.17	o	5	5	6	207.49	-67.88	1229.83	o
9	3	1	537.35	-362.71	576.67	o	7	5	6	53.89	-186.17	1233.99	o
11	3	1	167049.52	173083.13	5006.26	o	9	5	6	48213.10	51019.57	2805.45	o
13	3	1	59268.43	57729.85	3805.99	o	11	5	6	102.99	-597.38	1275.74	o
15	3	1	377.96	-189.18	657.16	o	13	5	6	114.48	-3.35	1258.88	o
17	3	1	225663.67	215703.38	17433.91	o	15	5	6	68268.17	67918.52	2929.58	o
19	3	1	48844.00	54149.88	5936.65	o	17	5	6	36.63	28.73	1534.52	o
21	3	1	504.67	-647.71	996.28	o	19	5	6	873.14	-952.58	1706.70	o
23	3	1	151063.34	102689.43	27416.73	o	21	5	6	86085.12	79561.87	3257.41	o
25	3	1	24310.46	32247.56	15714.76	o	23	5	6	492.72	1229.10	2168.39	o
27	3	1	551.00	-591.68	1696.76	o	25	5	6	125.07	508.90	2307.49	o
29	3	1	77305.39	70955.38	18988.24	o	27	5	6	77317.21	72483.06	6755.54	o
31	3	1	17208.74	16724.28	8562.22	o	29	5	6	91.91	-887.75	2877.44	o
33	3	1	262.09	1033.75	1598.02	o	31	5	6	39.41	-2158.24	2819.33	o
35	3	1	68340.22	64966.86	12681.13	o	-28	6	6	495.56	-1413.99	3252.60	o
37	3	1	12091.62	12557.25	7297.75	o	-26	6	6	592.81	1420.80	1783.74	o
39	3	1	367.39	1407.93	1864.88	o	-24	6	6	6749.27	5774.85	2108.02	o
41	3	1	41692.57	39886.85	6393.89	o	-22	6	6	991.08	-148.87	2159.87	o
-40	4	1	68661.39	84137.50	5297.18	o	-20	6	6	291.65	-1773.58	2111.28	o
-38	4	1	2642.30	1310.84	2242.16	o	-18	6	6	38335.62	32355.89	3122.23	o
-36	4	1	436.40	2585.94	2127.51	o	-16	6	6	128.32	2004.29	2202.74	o
-34	4	1	136307.13	120743.51	29074.79	o	-14	6	6	604.22	-992.25	2103.57	o
-32	4	1	2888.85	3906.10	2084.17	o	-12	6	6	59565.75	61921.52	9140.30	o
-30	4	1	194.93	-1567.72	2301.97	o	-10	6	6	235.41	747.25	1844.97	o
-28	4	1	214811.97	135669.11	5389.76	o	-8	6	6	95.43	-791.37	1455.80	o
-26	4	1	5080.15	7594.49	2237.36	o	-6	6	6	102936.32	108816.98	2785.46	o
-24	4	1	445.08	-358.24	1429.36	o	-4	6	6	274.59	239.54	1421.46	o
-22	4	1	480017.41	310631.25	44972.98	o	-2	6	6	124.18	498.75	1356.71	o
-20	4	1	28506.88	44602.70	7485.86	o	0	6	6	185079.69	175858.47	3235.71	o
-18	4	1	150.90	-131.67	1191.75	o	2	6	6	314.37	785.00	1312.12	o
-16	4	1	659883.13	612782.25	27714.20	o	4	6	6	732.75	322.18	1437.16	o
-14	4	1	54795.73	64278.00	1923.86	o	6	6	6	131069.48	126051.38	7296.67	o
-12	4	1	33.97	83.97	854.07	o	8	6	6	188.99	97.40	1329.91	o
-10	4	1	563711.00	518157.56	24355.40	o	10	6	6	102.47	-1158.00	1369.06	o
-8	4	1	76245.41	75212.57	6637.76	o	12	6	6	97063.98	98567.93	4101.14	o

-6	4	1	61.13	-137.16	580.08	o	16	6	6	51.57	-773.93	3849.82	o
-4	4	1	771122.56	777355.25	33848.39	o	18	6	6	74614.38	58369.95	20973.10	o
-2	4	1	221017.97	219340.66	3345.23	o	26	6	6	922.38	773.97	4286.58	o
0	4	1	567.18	314.99	639.43	o	28	6	6	269.53	-2202.75	4087.99	o
2	4	1	627446.06	655254.50	16319.40	o	-19	7	6	159.65	-2202.74	4861.91	o
4	4	1	270839.53	249293.52	11520.72	o	-17	7	6	286.38	515.96	2639.34	o
6	4	1	51.17	-491.90	591.24	o	-15	7	6	147556.19	163467.61	5639.57	o
8	4	1	217235.30	222093.00	6720.22	o	-13	7	6	8.33	389.41	2372.42	o
10	4	1	197787.70	186098.28	10751.22	o	-11	7	6	82.34	1673.46	1760.40	o
12	4	1	30.99	66.81	765.62	o	-9	7	6	141691.39	152603.94	4352.13	o
14	4	1	156028.13	145022.27	5258.32	o	-7	7	6	12.72	-138.84	1700.83	o
16	4	1	231441.31	279760.31	24635.15	o	-5	7	6	14.91	879.09	1614.35	o
18	4	1	427.32	387.82	1202.19	o	-3	7	6	225330.00	236231.31	7024.41	o
20	4	1	78747.65	59144.42	15554.17	o	-1	7	6	267.61	383.43	1543.65	o
22	4	1	169220.97	276837.09	7400.20	o	1	7	6	251.39	2042.71	1555.08	o
24	4	1	282.43	1547.89	2401.21	o	3	7	6	228558.59	237771.80	8056.33	o
26	4	1	12993.35	9950.48	2681.27	o	5	7	6	10.61	-251.83	1675.64	o
28	4	1	76232.37	94416.64	39101.14	o	7	7	6	6.37	-583.78	2289.78	o
30	4	1	400.94	-568.46	1827.99	o	9	7	6	156791.03	148697.97	18862.34	o
32	4	1	7771.97	5377.92	1887.03	o	11	7	6	47.49	575.49	2996.50	o
34	4	1	48319.72	61277.73	30086.35	o	17	7	6	230.71	377.05	4703.17	o
36	4	1	1036.92	1702.91	2083.77	o	-8	8	6	251.35	-3075.91	3075.91	o
38	4	1	6021.89	5518.88	2114.50	o	-6	8	6	145470.58	151046.44	5397.37	o
-37	5	1	8027.39	11673.27	3335.22	o	-4	8	6	122.35	3770.45	2936.98	o
-35	5	1	1515.74	3340.48	2554.58	o	-2	8	6	48.80	-496.11	2758.37	o
-33	5	1	313.89	-1150.99	2599.65	o	4	8	6	277.55	2559.96	3810.17	o
-31	5	1	20636.24	18516.19	3218.48	o	6	8	6	174703.42	167182.38	6786.59	o
-29	5	1	3888.26	10936.68	2659.74	o	8	8	6	130.44	-2857.61	3314.03	o
-27	5	1	55.84	-276.89	2114.37	o	10	8	6	272.29	-2937.00	3274.36	o
-25	5	1	35344.03	25661.71	3189.17	o	-37	1	7	33135.64	38725.04	6162.61	o
-23	5	1	3151.25	6144.23	1498.89	o	-35	1	7	43568.92	21015.13	3591.12	o
-21	5	1	98.83	-1198.11	1198.11	o	-33	1	7	367.25	-1587.58	4008.64	o
-19	5	1	88000.67	79208.87	11889.37	o	-29	1	7	60752.59	108213.69	4720.53	o
-17	5	1	595.41	189.50	1155.56	o	-27	1	7	232.92	5.67	1524.07	o
-15	5	1	408.27	1123.37	1547.90	o	-25	1	7	30358.22	33861.24	6551.79	o
-13	5	1	88813.27	84922.22	2153.87	o	-23	1	7	85490.14	92599.51	43863.02	o
-11	5	1	319.31	379.25	1058.43	o	-21	1	7	265.76	252.23	1234.36	o
-9	5	1	139.63	124.36	1061.39	o	-19	1	7	11513.94	14023.79	3962.34	o
-7	5	1	65253.64	64036.92	2672.57	o	-17	1	7	41604.23	48856.26	19261.22	o
-5	5	1	6657.04	6608.81	996.69	o	-15	1	7	66.83	1703.90	1314.23	o
-3	5	1	236.93	43.27	933.32	o	-13	1	7	10814.63	12195.36	1863.25	o
-1	5	1	80772.90	80389.40	2663.95	o	-11	1	7	31517.83	28473.46	5041.57	o
1	5	1	28397.72	25520.11	961.30	o	-9	1	7	4.03	394.73	770.11	o
3	5	1	248.81	-564.03	737.33	o	-7	1	7	12065.83	12136.77	933.72	o
5	5	1	17595.72	18778.29	925.88	o	-5	1	7	26877.61	20510.92	1352.83	o
7	5	1	22991.25	22370.92	1651.55	o	-3	1	7	94.15	-578.02	765.67	o
9	5	1	58.63	44.29	916.66	o	-1	1	7	11592.17	12256.68	966.82	o
11	5	1	748.79	3091.87	983.18	o	1	1	7	4216.06	4605.31	1080.80	o
13	5	1	31157.06	31938.35	3207.78	o	3	1	7	74.64	1157.28	880.96	o
15	5	1	170.16	-209.41	1194.83	o	5	1	7	76589.69	73769.23	1672.56	o
17	5	1	506.38	2268.27	1355.74	o	7	1	7	4237.60	2752.62	910.89	o
19	5	1	30894.51	40258.18	4862.79	o	9	1	7	4.21	-55.38	967.23	o
21	5	1	45.78	-1003.99	1567.75	o	11	1	7	89825.14	84569.95	1841.89	o
23	5	1	8685.62	6993.50	1681.46	o	13	1	7	3898.40	3937.60	984.01	o
25	5	1	12475.30	20475.14	3117.94	o	15	1	7	93.87	-320.80	1249.06	o
27	5	1	25.54	-377.04	2619.46	o	17	1	7	117951.88	111992.55	2771.01	o
29	5	1	11071.37	9293.06	2740.26	o	19	1	7	4216.06	4513.40	2669.90	o
31	5	1	7237.60	11182.31	5826.67	o	21	1	7	182.91	-1222.01	1478.50	o
33	5	1	119.35	-794.43	2097.96	o	23	1	7	242313.83	226266.84	4588.96	o
35	5	1	4111.02	6232.00	2326.89	o	25	1	7	10710.63	11878.50	1560.45	o
37	5	1	2821.72	9566.36	3215.25	o	27	1	7	111.56	-85.87	1580.00	o
-34	6	1	75539.85	60974.66	4681.16	o	29	1	7	172491.70	177810.14	14166.83	o
-32	6	1	14538.47	17714.45	3574.66	o	31	1	7	9254.56	11230.12	2505.59	o
-30	6	1	134.27	1628.14	2624.38	o	33	1	7	133.69	-2232.17	2850.41	o
-28	6	1	112341.84	89061.88	14005.29	o	35	1	7	123724.14	140829.50	11867.47	o
-26	6	1	26732.34	41853.61	2871.94	o	37	1	7	11611.09	2740.21	4289.03	o
-24	6	1	767.18	-171.07	1597.35	o	39	1	7	395.26	-3314.07	4107.86	o
-22	6	1	203771.66	155953.14	29455.78	o	-38	2	7	410.00	1309.76	5774.83	o
-20	6	1	42731.29	56675.73	8219.13	o	-36	2	7	74.93	1111.29	4345.93	o
-18	6	1	182.13	-272.09	1476.36	o	-34	2	7	45345.43	48162.57	4774.48	o
-16	6	1	222441.20	212939.41	3990.41	o	-30	2	7	174.72	896.65	2059.16	o
-14	6	1	55741.09	56316.18	2117.08	o	-28	2	7	57644.95	52746.90	2695.16	o
-12	6	1	14.58	-392.45	1299.38	o	-26	2	7	2134.53	1467.14	3304.53	o
-10	6	1	239074.69	240265.17	3529.63	o	-24	2	7	60.37	-631.30	1405.17	o
-8	6	1	70682.36	68923.31	3328.28	o	-22	2	7	177004.67	180709.47	35843.12	o
-6	6	1	238.12	-21.02	1102.63	o	-20	2	7	21647.11	29046.95	12570.58	o
-4	6	1	300091.56	301810.03	7964.27	o	-18	2	7	407.14	-311.64	1438.76	o
-2	6	1	93340.16	88593.20	3939.63	o	-16	2	7	349805.00	319751.44	82685.34	o
0	6	1	108.21	1088.81	966.49	o	-14	2	7	46348.41	55556.78	21310.11	o
2	6	1	263526.53	265225.53	16306.43	o	-12	2	7	32.94	187.63	1292.05	o
4	6	1	105370.91	100877.71	7472.00	o	-10	2	7	253686.28	260862.73	4760.64	o

6	6	1	203.15	433.49	1178.82	o	-8	2	7	46949.64	37476.25	2072.05	o
8	6	1	201469.59	201838.55	4645.11	o	-6	2	7	39.51	-21.44	994.86	o
10	6	1	83854.83	78322.50	5290.87	o	-4	2	7	442343.34	472102.94	12939.10	o
12	6	1	29.66	-424.83	1185.57	o	-2	2	7	158431.03	176316.11	23765.37	o
14	6	1	158841.52	150628.13	6659.15	o	0	2	7	221.82	252.87	964.52	o
16	6	1	78241.72	85686.20	4287.38	o	2	2	7	451177.06	462577.81	8302.74	o
18	6	1	379.57	-373.17	1578.60	o	4	2	7	155082.88	158112.00	7587.62	o
20	6	1	119981.91	92822.41	24123.32	o	6	2	7	30.88	-335.39	1028.54	o
22	6	1	71631.46	106091.87	20534.90	o	8	2	7	133809.98	141244.16	2871.98	o
24	6	1	470.68	1369.30	3373.63	o	10	2	7	89059.26	87185.77	10884.80	o
26	6	1	76183.79	75029.41	6117.94	o	12	2	7	53.50	333.83	1079.64	o
28	6	1	39449.67	65148.89	4474.51	o	14	2	7	131843.75	131506.30	6565.48	o
30	6	1	284.21	4107.84	3155.30	o	16	2	7	122560.59	121991.43	29158.82	o
32	6	1	41364.17	28935.13	3818.24	o	18	2	7	201.90	856.75	1647.11	o
34	6	1	26499.59	41331.40	4212.62	o	20	2	7	61599.29	65888.65	4096.00	o
-25	7	1	12919.07	12596.23	4537.48	o	22	2	7	62005.07	59458.12	3138.53	o
-23	7	1	19632.62	28374.93	5184.77	o	24	2	7	98.92	775.39	1426.78	o
-21	7	1	120.95	623.01	2300.95	o	26	2	7	4397.25	3869.06	1666.84	o
-19	7	1	24047.74	27395.55	2366.75	o	28	2	7	20458.70	17508.81	3636.01	o
-17	7	1	11527.13	12119.11	1993.25	o	30	2	7	101.59	921.64	1731.32	o
-15	7	1	241.56	300.31	1633.63	o	32	2	7	4429.24	2730.52	1978.21	o
-13	7	1	22832.16	23772.90	1813.27	o	34	2	7	16036.77	13492.39	7875.20	o
-11	7	1	3305.06	2452.82	1417.97	o	36	2	7	43.84	-1435.82	2705.20	o
-9	7	1	34.20	-678.68	1335.45	o	38	2	7	1161.85	8652.66	5298.76	o
-7	7	1	21713.32	22076.95	1679.88	o	-35	3	7	19803.27	14739.92	9584.86	o
-5	7	1	972.25	-1.32	1777.30	o	-33	3	7	81.59	-1675.76	2655.43	o
-3	7	1	486.16	-149.31	1627.16	o	-31	3	7	34017.88	29656.81	2703.00	o
-1	7	1	5696.46	4870.83	1739.05	o	-29	3	7	22597.98	29405.40	3834.92	o
1	7	1	2228.10	2424.06	1739.53	o	-27	3	7	114.82	1236.66	1767.39	o
3	7	1	809.18	-891.52	1735.82	o	-25	3	7	42036.09	40929.16	8137.14	o
5	7	1	1882.62	1815.73	1811.30	o	-23	3	7	36501.13	39484.32	18984.95	o
7	7	1	7617.43	5812.08	2283.14	o	-21	3	7	16.11	-538.82	1418.18	o
9	7	1	81.41	382.95	1470.10	o	-19	3	7	86745.75	83057.11	19330.90	o
11	7	1	9012.61	7485.74	1594.43	o	-17	3	7	49111.56	52190.64	23505.82	o
13	7	1	8688.15	9665.52	1704.80	o	-15	3	7	146.37	188.35	1412.22	o
15	7	1	299.85	76.03	1617.05	o	-13	3	7	90881.98	105594.63	3475.87	o
17	7	1	32356.13	32369.81	2233.94	o	-11	3	7	37593.92	31761.12	2248.75	o
19	7	1	8503.82	11177.59	2779.51	o	-9	3	7	158.80	-456.43	1547.88	o
21	7	1	266.16	-1528.71	2470.66	o	-7	3	7	87608.16	96743.70	2775.31	o
23	7	1	55374.10	49522.20	13434.23	o	-5	3	7	51637.08	50289.51	10321.59	o
25	7	1	4591.16	4188.16	3811.03	o	-3	3	7	83.83	14.57	1260.12	o
-20	8	1	32665.49	33790.88	3796.51	o	-1	3	7	167736.16	179728.03	8989.69	o
-18	8	1	131.00	-86.01	2177.91	o	1	3	7	58956.07	61492.88	6325.31	o
-16	8	1	11768.42	13662.22	2183.73	o	3	3	7	50.01	-391.99	1145.74	o
-14	8	1	25975.83	26729.27	2252.54	o	5	3	7	143206.45	148926.77	5494.66	o
-12	8	1	10.66	-160.37	1754.89	o	7	3	7	31034.17	32944.48	1758.91	o
-10	8	1	15635.11	16966.68	2731.58	o	9	3	7	57.18	-668.13	1252.74	o
-8	8	1	22210.35	21605.09	2697.14	o	11	3	7	106861.63	104107.80	7111.18	o
-6	8	1	132.14	2695.44	3085.82	o	13	3	7	31881.08	31458.54	4097.48	o
-4	8	1	23619.97	25370.69	2704.68	o	15	3	7	98.80	-793.78	1349.43	o
-2	8	1	15485.55	13965.38	2413.59	o	17	3	7	135373.95	129750.71	3805.59	o
0	8	1	139.30	1392.03	2102.58	o	19	3	7	30650.10	25139.09	4062.59	o
2	8	1	44121.83	44324.45	2986.95	o	21	3	7	30.86	66.88	1240.83	o
4	8	1	8289.65	7789.91	2354.21	o	23	3	7	98347.20	94141.74	3346.59	o
6	8	1	154.93	-316.88	2173.05	o	25	3	7	15620.44	10786.32	1961.54	o
8	8	1	63273.80	58583.39	3278.56	o	27	3	7	46.95	-183.08	1516.53	o
10	8	1	5514.05	5424.63	2398.11	o	29	3	7	63054.04	60500.00	3282.33	o
12	8	1	20.20	1683.27	2404.14	o	31	3	7	12082.79	11585.27	3212.77	o
14	8	1	74021.01	78448.80	4641.59	o	33	3	7	30.55	-1756.76	2041.73	o
16	8	1	4158.53	5537.76	3036.84	o	35	3	7	52344.16	55557.49	4536.93	o
18	8	1	89.17	1706.62	3393.40	o	-34	4	7	73614.10	47686.63	5975.77	o
20	8	1	93054.54	80902.98	18721.03	o	-32	4	7	5178.93	868.21	2904.52	o
-46	0	2	10547.20	15149.29	3792.29	o	-30	4	7	758.26	-1103.07	2223.34	o
-44	0	2	136753.58	136398.28	5875.62	o	-28	4	7	115361.16	104392.19	3600.91	o
-42	0	2	2755.75	-734.35	3354.19	o	-26	4	7	11202.72	12076.40	6016.67	o
-40	0	2	16068.11	19425.21	3535.47	o	-24	4	7	178.49	210.49	1786.73	o
-38	0	2	234534.78	204998.47	6215.12	o	-22	4	7	280726.47	273179.88	58289.43	o
-36	0	2	1443.62	-119.08	2401.38	o	-20	4	7	42060.43	49309.29	20850.78	o
-34	0	2	9217.99	12926.27	2720.27	o	-18	4	7	28.78	1121.21	1561.24	o
-32	0	2	321742.19	227372.25	6262.97	o	-16	4	7	444539.94	444352.63	78758.14	o
-30	0	2	1845.59	696.34	1717.05	o	-14	4	7	72921.97	62333.30	3110.68	o
-28	0	2	10604.00	5286.23	2532.17	o	-12	4	7	114.09	79.38	1706.63	o
-24	0	2	1907.64	-595.43	1964.91	o	-10	4	7	425458.41	481183.19	28353.55	o
-22	0	2	17479.85	21645.59	2265.93	o	-8	4	7	99607.14	102198.87	28865.33	o
-20	0	2	709462.88	573336.88	46451.96	o	-6	4	7	199.02	145.01	1414.01	o
-18	0	2	199.69	901.71	1036.78	o	-4	4	7	584121.19	638235.31	9866.08	o
-16	0	2	8519.27	10359.00	1247.94	o	-2	4	7	197538.56	222938.00	6702.03	o
-14	0	2	616314.63	527198.63	5749.54	o	0	4	7	19.02	672.04	1288.55	o
-12	0	2	750.32	-674.79	754.17	o	2	4	7	563068.44	601253.25	23392.66	o
-10	0	2	8440.72	7472.65	775.09	o	4	4	7	204964.00	165771.06	4188.07	o
-8	0	2	527047.31	531958.56	4401.42	o	6	4	7	70.84	-886.61	1223.84	o

-6	0	2	292.32	218.30	496.14	o	8	4	7	283888.94	305105.00	15976.82	o
-4	0	2	51688.79	49146.39	926.15	o	10	4	7	149156.34	142215.47	66729.94	o
-2	0	2	339215.75	336745.50	2804.39	o	12	4	7	96.99	-882.02	1148.27	o
0	0	2	16.22	595.33	416.73	o	14	4	7	207308.86	205476.34	8569.29	o
2	0	2	118956.81	105037.48	1564.96	o	16	4	7	155820.11	109581.73	48085.41	o
4	0	2	143625.13	169083.14	2208.21	o	18	4	7	37.37	-911.96	1182.60	o
6	0	2	238.34	395.28	426.45	o	20	4	7	119526.18	127536.68	7793.16	o
8	0	2	187128.19	193869.75	2986.41	o	22	4	7	98405.06	86297.28	18192.80	o
10	0	2	16149.61	22813.06	2209.03	o	24	4	7	138.67	179.53	1408.07	o
12	0	2	1037.88	1321.78	803.58	o	26	4	7	31675.78	30878.90	3032.91	o
14	0	2	218053.80	189758.67	45676.28	o	28	4	7	40484.83	22298.39	5757.81	o
16	0	2	9834.05	17925.97	4480.28	o	30	4	7	275.53	1167.94	2418.79	o
18	0	2	347.28	-143.27	1504.29	o	32	4	7	14738.96	12726.94	2868.44	o
20	0	2	252948.42	187031.44	5920.39	o	-31	5	7	9071.99	68299.61	3712.61	o
26	0	2	203701.73	218415.27	129346.27	o	-29	5	7	608.35	677.05	2006.10	o
28	0	2	10415.90	11011.71	2353.40	o	-27	5	7	57.49	-459.80	2179.25	o
30	0	2	1003.48	231.00	1574.94	o	-25	5	7	19080.87	21114.96	3824.00	o
32	0	2	115520.09	136941.72	78780.63	o	-23	5	7	98.22	507.94	2046.10	o
34	0	2	13231.98	12759.33	3932.50	o	-21	5	7	2.96	-234.37	1872.01	o
36	0	2	565.59	-3.28	1697.77	o	-19	5	7	70284.92	72133.99	14097.00	o
38	0	2	86235.83	105034.64	54765.58	o	-17	5	7	4988.48	5282.48	1906.51	o
40	0	2	29981.09	28815.12	4283.62	o	-15	5	7	35.94	-1329.57	1944.75	o
42	0	2	1012.57	1706.71	2818.05	o	-13	5	7	78325.34	91323.23	3788.52	o
44	0	2	50651.30	83287.09	4814.97	o	-11	5	7	7171.83	8811.09	4754.85	o
-45	1	2	365.13	2361.52	3591.89	o	-9	5	7	14.70	-1282.48	1835.60	o
-43	1	2	3030.82	4584.78	3453.47	o	-7	5	7	80155.72	84270.23	3201.31	o
-41	1	2	837.91	1262.92	2153.71	o	-5	5	7	17853.60	15853.92	2870.81	o
-39	1	2	313.93	1772.37	2081.79	o	-3	5	7	30.68	515.53	1438.90	o
-37	1	2	7957.30	11655.92	2648.20	o	-1	5	7	119663.62	120119.86	4009.68	o
-35	1	2	379.99	1935.67	1484.55	o	1	5	7	42059.48	41834.55	4407.55	o
-33	1	2	135.31	122.32	1404.71	o	3	5	7	79.04	-594.77	1437.24	o
-31	1	2	15713.70	23929.85	6950.56	o	5	5	7	50253.10	52561.68	1991.36	o
-29	1	2	3715.43	3889.27	1523.97	o	7	5	7	28117.71	24698.97	3713.01	o
-27	1	2	111.48	-456.42	2202.74	o	9	5	7	25.82	-363.73	1365.82	o
-25	1	2	25584.56	45351.47	10674.41	o	11	5	7	20433.98	23731.47	1726.46	o
-23	1	2	624.11	1279.51	1558.61	o	13	5	7	27513.88	24111.82	2385.34	o
-21	1	2	325.38	394.95	1285.11	o	15	5	7	14.56	1444.88	1587.86	o
-19	1	2	53174.85	68300.70	13283.16	o	17	5	7	14024.89	13478.33	2343.58	o
-17	1	2	8390.92	10841.63	922.60	o	19	5	7	24629.28	21359.81	7382.69	o
-15	1	2	292.31	-44.91	638.38	o	21	5	7	3.74	-1428.65	1761.51	o
-13	1	2	57088.44	62274.16	13617.56	o	23	5	7	263.96	1096.66	2132.17	o
-11	1	2	3165.03	4521.31	492.12	o	25	5	7	6692.91	2878.42	2293.50	o
-9	1	2	238.00	-274.47	448.18	o	27	5	7	23.78	440.99	2350.67	o
-7	1	2	41754.01	35989.61	1260.34	o	29	5	7	1621.54	5851.10	2691.23	o
-5	1	2	57471.70	62111.57	2451.35	o	31	5	7	3230.34	-1706.89	5140.53	o
-3	1	2	463.60	-57.85	332.51	o	-26	6	7	23753.76	31041.09	14762.12	o
-1	1	2	68121.64	69793.10	3747.20	o	-24	6	7	436.50	-2143.24	3631.60	o
1	1	2	194122.42	203137.11	3351.70	o	-22	6	7	129195.95	135599.64	32575.29	o
3	1	2	387.38	172.30	299.55	o	-20	6	7	36036.85	38973.42	13172.20	o
5	1	2	20152.09	20590.43	1311.60	o	-18	6	7	342.38	1491.35	2211.47	o
7	1	2	118885.32	117979.98	1640.39	o	-16	6	7	156035.20	167862.36	5484.00	o
9	1	2	343.69	-242.56	330.90	o	-14	6	7	41313.84	29676.20	2963.64	o
11	1	2	1521.66	1558.75	402.00	o	-12	6	7	196.93	2096.50	2748.47	o
13	1	2	161962.78	157809.45	6126.26	o	-10	6	7	181072.66	191404.31	4563.29	o
15	1	2	288.28	436.69	476.22	o	-8	6	7	59101.63	55947.97	6889.62	o
17	1	2	3009.45	2893.75	871.20	o	-6	6	7	32.77	282.42	1745.36	o
19	1	2	151225.86	121782.01	17943.66	o	-4	6	7	199193.66	206047.67	4334.37	o
21	1	2	472.86	-836.49	1173.71	o	-2	6	7	70802.52	63137.90	5908.35	o
23	1	2	535.33	669.37	1208.87	o	0	6	7	3.71	1131.09	1422.37	o
25	1	2	72024.14	65661.33	20768.96	o	2	6	7	201138.77	199310.48	4629.62	o
27	1	2	317.16	1201.13	1466.06	o	4	6	7	69969.66	63109.82	5388.13	o
29	1	2	1743.70	2543.60	1516.81	o	6	6	7	90.15	249.21	1512.72	o
31	1	2	42986.72	42941.46	4558.92	o	8	6	7	168444.50	162080.98	10007.83	o
33	1	2	371.09	150.00	1190.23	o	10	6	7	63482.97	63207.76	2603.55	o
35	1	2	169.33	762.59	1225.14	o	12	6	7	452.40	2182.93	2540.14	o
37	1	2	21681.13	20994.48	1866.81	o	14	6	7	117676.11	115413.66	4174.71	o
39	1	2	399.27	649.49	1506.68	o	16	6	7	54715.78	82064.97	5792.12	o
41	1	2	638.42	-476.69	1567.60	o	24	6	7	399.71	-813.64	4385.69	o
43	1	2	7879.20	9002.60	1831.72	o	26	6	7	67633.39	78633.82	5933.88	o
45	1	2	535.96	-1173.73	2295.75	o	-15	7	7	164.25	337.36	2778.23	o
-42	2	2	203.84	-2083.89	2083.89	o	-13	7	7	21892.23	26635.14	6496.51	o
-40	2	2	8520.75	8940.04	5390.24	o	-11	7	7	254.74	679.28	2246.28	o
-38	2	2	112134.00	122626.02	28916.41	o	-9	7	7	110.27	1186.31	2200.48	o
-36	2	2	81.97	-1069.20	1915.04	o	-7	7	7	28394.50	34290.77	2662.45	o
-34	2	2	6606.10	6018.10	4069.74	o	-5	7	7	1835.12	1190.78	1981.57	o
-32	2	2	140757.63	135692.25	31837.00	o	-3	7	7	81.19	-697.05	1681.20	o
-30	2	2	12.59	-469.79	1919.50	o	-1	7	7	19320.97	19681.04	1958.62	o
-28	2	2	6831.42	11237.36	2203.79	o	1	7	7	6780.25	8362.61	1797.10	o
-26	2	2	224950.27	172489.95	12792.52	o	3	7	7	70.74	-714.15	1746.07	o
-24	2	2	32.63	1446.03	1209.75	o	5	7	7	4971.14	5703.17	1763.40	o
-22	2	2	12917.77	19813.93	3131.23	o	7	7	7	9966.29	9777.27	1848.42	o

-20	2	2	338699.25	245052.33	33944.55	o	9	7	7	192.04	8.63	2704.24	o
-18	2	2	69.41	1146.17	928.32	o	-38	0	8	143847.25	185113.48	9175.71	o
-16	2	2	13741.19	20353.49	3938.50	o	-36	0	8	125.48	-2857.61	4623.76	o
-14	2	2	265310.28	225826.09	18186.16	o	-30	0	8	142.58	654.87	3492.63	o
-12	2	2	536.20	612.80	848.66	o	-28	0	8	4104.31	6589.95	3433.92	o
-10	2	2	12881.29	15497.63	2606.84	o	-26	0	8	335290.53	312068.19	8385.01	o
-8	2	2	222934.48	215695.92	3968.38	o	-24	0	8	34.02	138.91	3333.86	o
-6	2	2	219.90	866.49	625.30	o	-22	0	8	11865.48	18549.29	4051.45	o
-4	2	2	39975.77	30134.71	5695.40	o	-20	0	8	513510.81	502904.34	11028.24	o
-2	2	2	248584.16	251283.81	1690.26	o	-18	0	8	423.13	-464.26	1284.64	o
0	2	2	39.65	282.44	444.64	o	-16	0	8	15606.66	11344.23	1450.31	o
2	2	2	88050.46	80328.63	1153.46	o	-14	0	8	528665.13	552115.44	6705.69	o
4	2	2	111718.63	122196.89	2467.50	o	-12	0	8	312.17	-456.43	1329.60	o
6	2	2	477.65	567.73	443.50	o	-10	0	8	19820.70	17391.78	1590.11	o
8	2	2	78189.22	71625.73	5511.73	o	-8	0	8	399139.91	417402.69	5594.88	o
10	2	2	36716.56	38072.96	981.49	o	-6	0	8	264.65	-1190.69	1369.29	o
12	2	2	192.62	772.57	560.32	o	-2	0	8	390801.94	403495.13	5619.48	o
14	2	2	93200.75	85701.55	11238.50	o	0	0	8	108.53	-178.60	1230.36	o
16	2	2	38387.73	41672.20	1903.95	o	2	0	8	137040.30	126925.05	3252.94	o
18	2	2	39.20	-163.04	640.61	o	4	0	8	223477.78	221548.73	4327.83	o
20	2	2	119427.05	131057.49	28180.41	o	6	0	8	119.11	-595.34	1309.74	o
22	2	2	33582.69	35995.40	4018.56	o	10	0	8	56388.22	67121.46	2870.65	o
24	2	2	83.59	-47.99	1043.37	o	12	0	8	110.77	604.33	1528.32	o
26	2	2	78988.06	94205.87	22122.26	o	16	0	8	39747.52	45816.00	2766.47	o
28	2	2	18955.78	19038.38	1513.84	o	18	0	8	225.23	734.25	1924.93	o
30	2	2	5.28	-179.36	1454.28	o	20	0	8	180555.63	204639.52	5544.92	o
32	2	2	49458.94	65186.64	34867.78	o	22	0	8	23116.86	23909.50	2762.61	o
34	2	2	18793.41	17481.16	2921.56	o	24	0	8	14.81	39.69	2540.08	o
36	2	2	30.45	381.61	1442.09	o	26	0	8	119131.29	147270.64	5777.28	o
38	2	2	40009.60	51388.20	25269.26	o	28	0	8	7390.45	7802.29	3514.01	o
40	2	2	22486.54	23941.85	5523.49	o	30	0	8	74.47	-2282.11	3810.13	o
42	2	2	99.24	133.34	1999.54	o	32	0	8	79705.04	109611.59	6797.15	o
44	2	2	20909.97	12574.87	3238.08	o	34	0	8	10093.57	7465.58	5440.34	o
-43	3	2	20089.96	9713.75	3257.78	o	-37	1	8	8700.13	3057.41	4943.47	o
-41	3	2	1723.02	3181.81	2206.21	o	-31	1	8	15100.47	21578.53	4538.37	o
-39	3	2	2578.27	721.72	2203.03	o	-29	1	8	705.50	288.69	3353.83	o
-37	3	2	48689.31	56262.55	27379.84	o	-27	1	8	508.91	813.64	2718.76	o
-35	3	2	2494.68	2656.53	2176.59	o	-25	1	8	25805.23	38957.76	3756.64	o
-33	3	2	1425.19	1014.96	2212.29	o	-23	1	8	372.67	899.22	1754.43	o
-31	3	2	81679.74	134872.80	6103.38	o	-21	1	8	142.90	-1210.02	1621.45	o
-29	3	2	2645.91	1290.11	3513.06	o	-19	1	8	30898.54	33471.53	12190.68	o
-25	3	2	145554.53	220618.95	39270.18	o	-17	1	8	1116.72	1739.59	1367.78	o
-23	3	2	9184.43	13861.65	1849.08	o	-15	1	8	118.26	228.45	1280.53	o
-21	3	2	863.14	662.64	1372.76	o	-13	1	8	30517.50	30629.47	11377.49	o
-19	3	2	263300.44	298557.81	83730.72	o	-11	1	8	4175.51	5516.31	935.91	o
-17	3	2	76854.59	85372.20	2472.04	o	-9	1	8	12.79	733.19	862.30	o
-15	3	2	313.17	274.31	976.74	o	-7	1	8	26701.36	21581.34	1223.24	o
-13	3	2	258559.28	265810.81	17886.30	o	-5	1	8	21021.31	23476.84	1252.40	o
-11	3	2	88603.43	92440.19	1812.70	o	-3	1	8	38.89	428.77	852.86	o
-9	3	2	72.91	126.99	833.41	o	-1	1	8	17610.58	17859.05	4620.76	o
-7	3	2	241916.42	242557.48	3408.15	o	1	1	8	50065.63	56405.93	2450.49	o
-5	3	2	323846.25	364494.72	11089.98	o	3	1	8	84.65	-239.24	924.86	o
-3	3	2	121.92	327.98	496.58	o	5	1	8	7526.45	7219.90	1293.65	o
-1	3	2	296157.75	290990.16	3042.15	o	7	1	8	76015.01	74653.55	2849.63	o
1	3	2	844284.38	901591.81	21479.19	o	9	1	8	4.60	-956.33	956.33	o
3	3	2	71.26	-96.34	470.38	o	11	1	8	1579.97	2184.39	1062.51	o
5	3	2	114495.19	114128.56	4793.25	o	13	1	8	86371.62	83136.45	4684.18	o
7	3	2	688521.31	674996.63	20762.38	o	15	1	8	45.86	342.92	1316.65	o
9	3	2	207.66	133.61	578.01	o	17	1	8	390.78	477.50	1329.25	o
11	3	2	31416.56	33271.22	2411.28	o	19	1	8	86229.35	81507.07	2680.74	o
13	3	2	736286.44	690665.13	33883.96	o	21	1	8	85.38	-410.45	1550.32	o
15	3	2	116.51	-147.96	714.67	o	23	1	8	449.53	779.91	2321.86	o
17	3	2	27208.63	32270.92	1249.74	o	25	1	8	71677.84	67406.54	3028.66	o
19	3	2	748481.00	758938.13	59856.46	o	27	1	8	178.83	-638.00	2055.00	o
21	3	2	757.66	-48.49	929.92	o	29	1	8	377.00	436.18	2450.28	o
23	3	2	5606.51	5880.90	1404.86	o	31	1	8	40889.68	31187.97	3898.50	o
25	3	2	408095.84	335758.66	118244.52	o	33	1	8	204.63	694.56	3869.69	o
27	3	2	665.22	17.38	1522.50	o	35	1	8	100.74	595.33	4385.63	o
29	3	2	2466.49	3264.92	1627.98	o	37	1	8	22971.44	19431.98	3906.15	o
31	3	2	227207.84	201576.89	50161.35	o	-36	2	8	385.83	-1528.05	4167.40	o
33	3	2	499.60	515.28	1612.09	o	-30	2	8	184.09	508.76	2050.95	o
35	3	2	1736.30	2329.03	1669.81	o	-28	2	8	4110.68	5152.45	3751.48	o
37	3	2	134471.39	124243.98	22721.50	o	-26	2	8	137589.59	150224.14	22348.45	o
39	3	2	949.65	-158.03	1898.30	o	-24	2	8	298.77	-586.53	1519.76	o
41	3	2	2249.81	451.56	1979.49	o	-22	2	8	8822.25	9115.60	2462.09	o
-38	4	2	4953.78	3429.63	2322.17	o	-20	2	8	215987.05	209380.14	51480.78	o
-36	4	2	547.39	1045.56	2343.60	o	-18	2	8	41.25	-19.58	1494.05	o
-34	4	2	15995.31	23533.72	13605.56	o	-16	2	8	11132.13	13852.42	4677.00	o
-32	4	2	4653.38	3354.60	3295.05	o	-14	2	8	202319.70	193648.06	53884.66	o
-30	4	2	688.25	-2202.81	3234.76	o	-12	2	8	108.76	-903.89	1254.18	o
-28	4	2	23905.28	34912.36	4749.87	o	-10	2	8	14455.98	11462.78	1629.03	o

-26	4	2	5173.20	5510.46	1959.99	o	-8	2	8	164841.55	166080.36	3898.79	o
-24	4	2	626.84	722.66	1724.48	o	-6	2	8	112.03	-39.69	1289.89	o
-22	4	2	38481.73	60077.10	11988.51	o	-4	2	8	36163.97	32886.61	4533.95	o
-20	4	2	29985.29	26996.42	2444.91	o	-2	2	8	171674.81	177726.41	2620.69	o
-18	4	2	114.60	834.15	1103.17	o	0	2	8	8.16	-465.25	1079.11	o
-16	4	2	62880.83	59189.06	8960.10	o	2	2	8	60330.74	56306.05	3954.22	o
-14	4	2	36855.83	41664.57	1470.98	o	4	2	8	102786.67	107308.87	2185.99	o
-12	4	2	356.70	21.55	1007.91	o	6	2	8	303.10	719.97	1065.28	o
-10	4	2	50760.12	52809.14	1618.26	o	8	2	8	57879.69	59272.26	4933.50	o
-8	4	2	51594.24	53270.52	2486.85	o	10	2	8	41218.78	45560.84	1653.08	o
-6	4	2	14.34	713.78	839.71	o	12	2	8	39.13	1073.13	1087.94	o
-4	4	2	55247.20	54230.45	1722.18	o	14	2	8	70913.38	74206.45	15218.60	o
-2	4	2	164942.41	175853.33	6542.89	o	16	2	8	31621.20	33471.88	3927.95	o
0	4	2	69.88	-21.41	589.59	o	18	2	8	46.52	1193.13	1591.56	o
2	4	2	58819.96	55321.13	910.51	o	20	2	8	75869.51	107036.39	6202.41	o
4	4	2	156841.94	162985.53	3366.57	o	22	2	8	22233.27	23040.00	3934.76	o
6	4	2	5.55	-175.37	553.34	o	24	2	8	293.57	-357.20	1984.47	o
8	4	2	18225.29	18912.19	1118.23	o	26	2	8	48341.98	58272.47	3502.72	o
10	4	2	144273.22	143018.80	3017.82	o	28	2	8	10986.61	9392.37	2601.27	o
12	4	2	323.40	-298.54	705.53	o	30	2	8	77.87	-198.51	2040.71	o
14	4	2	13154.22	14601.02	893.47	o	32	2	8	32451.40	32168.16	9343.92	o
16	4	2	175308.67	173214.48	3103.43	o	34	2	8	9819.25	10342.68	2495.98	o
18	4	2	214.15	595.76	1339.92	o	36	2	8	182.26	-4028.44	4266.58	o
20	4	2	10591.88	20058.33	2720.78	o	38	2	8	23715.30	32543.90	5900.82	o
22	4	2	109621.35	49449.02	3019.48	o	-35	3	8	1679.89	3175.37	4921.82	o
24	4	2	393.81	-1153.76	1909.37	o	-33	3	8	1106.33	1071.66	3850.03	o
26	4	2	2289.12	-765.80	1818.62	o	-31	3	8	64443.99	77535.75	36122.49	o
28	4	2	66861.70	58739.42	17625.37	o	-29	3	8	1646.30	3421.53	2020.66	o
30	4	2	447.53	1383.16	1746.66	o	-27	3	8	715.32	126.98	2669.17	o
32	4	2	1723.02	-590.84	1711.91	o	-25	3	8	108700.60	120785.50	55237.69	o
34	4	2	43117.46	42915.89	8881.88	o	-23	3	8	2795.15	3869.21	2639.74	o
36	4	2	253.31	-17.02	1921.81	o	-21	3	8	519.30	1671.19	1654.59	o
38	4	2	1757.76	512.36	2026.04	o	-19	3	8	132468.98	142753.13	55620.56	o
-35	5	2	17458.04	10606.56	3436.21	o	-17	3	8	10924.29	12541.58	2939.06	o
-33	5	2	883.40	932.73	3155.40	o	-15	3	8	147.52	218.75	1574.33	o
-31	5	2	52713.65	82852.81	5015.35	o	-13	3	8	116200.95	88749.32	3380.35	o
-29	5	2	24408.84	19977.57	2935.90	o	-11	3	8	25114.08	29321.96	2286.12	o
-27	5	2	446.17	-905.92	2406.53	o	-9	3	8	24.44	39.69	1528.02	o
-25	5	2	100107.15	147744.13	16981.15	o	-7	3	8	104855.36	141324.55	7358.15	o
-23	5	2	50508.83	44404.00	10062.98	o	-5	3	8	79599.20	85937.78	3243.54	o
-21	5	2	1211.49	119.53	1325.16	o	-3	3	8	82.06	2657.13	2331.73	o
-19	5	2	154555.98	185086.67	17622.13	o	-1	3	8	74803.50	83390.42	4689.34	o
-17	5	2	115890.35	116197.74	2906.43	o	1	3	8	213202.36	218312.86	3339.75	o
-15	5	2	238.93	1184.71	1376.57	o	3	3	8	59.07	-117.22	1230.71	o
-13	5	2	138104.98	130095.05	13918.03	o	5	3	8	28503.80	29167.37	4604.02	o
-11	5	2	160053.67	153718.66	3831.49	o	7	3	8	298503.63	292825.81	8830.26	o
-9	5	2	165.92	-286.49	925.00	o	9	3	8	27.39	1144.64	1251.78	o
-7	5	2	160131.31	150661.95	2533.95	o	11	3	8	8890.10	8545.01	1658.04	o
-5	5	2	254584.11	273097.09	7332.04	o	13	3	8	330824.84	300595.53	5782.63	o
-3	5	2	759.27	-243.49	893.78	o	15	3	8	173.71	119.07	1587.57	o
-1	5	2	167815.88	157586.47	1909.17	o	17	3	8	3897.14	3275.15	1687.20	o
1	5	2	478295.41	473393.44	16018.01	o	19	3	8	375641.72	333721.75	6500.15	o
3	5	2	324.88	-431.95	743.38	o	21	3	8	186.64	-198.45	1865.39	o
5	5	2	89590.28	91799.35	4502.59	o	23	3	8	1887.18	559.31	1792.09	o
7	5	2	452473.19	430958.97	9976.99	o	25	3	8	305656.50	287621.13	5473.15	o
9	5	2	390.74	520.30	804.69	o	27	3	8	312.96	355.81	1597.47	o
11	5	2	56877.29	55618.04	5298.79	o	29	3	8	988.40	416.30	1795.14	o
13	5	2	393640.97	362482.19	13102.64	o	31	3	8	180542.28	181100.09	4626.07	o
15	5	2	138.77	10.12	1170.19	o	33	3	8	423.47	298.13	2109.70	o
17	5	2	40808.30	43128.79	3366.38	o	35	3	8	973.47	1944.84	3889.69	o
19	5	2	440227.53	416588.44	9637.30	o	-32	4	8	2958.97	4961.84	4009.17	o
21	5	2	1289.16	-2063.21	2063.21	o	-30	4	8	292.73	-377.28	2385.37	o
23	5	2	17989.88	36018.28	4013.07	o	-28	4	8	18914.74	21669.48	7886.21	o
25	5	2	281556.44	137831.75	5852.30	o	-26	4	8	4598.29	3930.31	2729.29	o
27	5	2	802.24	714.43	2837.88	o	-24	4	8	109.78	542.71	1830.75	o
29	5	2	8559.81	11483.87	5678.25	o	-22	4	8	25782.08	30293.84	14299.25	o
31	5	2	149509.31	128955.81	34833.80	o	-20	4	8	10777.26	9381.65	5550.03	o
33	5	2	311.27	149.46	2183.20	o	-18	4	8	11.97	-543.22	1720.45	o
35	5	2	6472.31	8796.80	5756.81	o	-16	4	8	28537.78	36177.47	15923.33	o
-32	6	2	23796.22	17802.26	3635.95	o	-14	4	8	13389.50	16802.49	2264.17	o
-30	6	2	702.41	-109.12	2664.95	o	-12	4	8	111.42	-357.20	1825.69	o
-28	6	2	15265.17	22028.66	4925.44	o	-10	4	8	28364.68	23638.61	2306.21	o
-26	6	2	35402.34	30788.93	2706.44	o	-8	4	8	25932.58	31092.58	2116.53	o
-24	6	2	609.46	-65.84	1767.63	o	-6	4	8	49.24	-436.65	1474.97	o
-22	6	2	28321.02	38726.62	5044.24	o	-4	4	8	23375.34	21694.65	4571.40	o
-20	6	2	25024.65	27793.01	1913.64	o	-2	4	8	49616.13	52573.75	4370.48	o
-18	6	2	378.80	-290.53	1572.99	o	0	4	8	1.86	-220.75	1403.11	o
-16	6	2	34932.20	39724.96	2176.28	o	2	4	8	17437.23	16447.29	3089.45	o
-14	6	2	4890.64	5445.35	1368.55	o	4	4	8	66513.58	67483.80	2359.98	o
-12	6	2	27.08	-651.54	1174.47	o	6	4	8	86.60	-622.03	1319.10	o
-10	6	2	28488.61	26562.79	2113.14	o	8	4	8	9193.43	6861.71	2632.31	o

-8	6	2	22.57	1449.51	1168.06	o	10	4	8	80813.10	81735.04	4846.59	o
-6	6	2	206.09	562.33	1079.41	o	12	4	8	61.18	-1295.11	1627.24	o
-4	6	2	21781.82	19623.49	1553.25	o	14	4	8	4697.65	4863.90	2302.63	o
-2	6	2	16758.85	19731.05	1330.73	o	16	4	8	80676.34	79985.79	2763.25	o
0	6	2	698.48	831.51	1109.91	o	18	4	8	21.08	1237.79	1531.48	o
2	6	2	6015.48	5428.67	1205.68	o	20	4	8	3776.30	1983.40	2014.65	o
4	6	2	62062.10	60434.84	1796.44	o	22	4	8	73413.29	72807.49	2881.09	o
6	6	2	94.46	-400.27	1061.81	o	24	4	8	47.09	1063.60	1798.61	o
8	6	2	25.94	579.70	1077.79	o	26	4	8	1725.66	1007.53	1588.83	o
10	6	2	81111.22	74940.60	2109.08	o	28	4	8	53726.91	54578.43	5283.87	o
12	6	2	34.33	538.48	1222.28	o	30	4	8	123.58	2168.54	2593.56	o
14	6	2	1744.09	-53.29	1379.70	o	32	4	8	1039.68	3889.70	4822.43	o
16	6	2	99319.98	98412.28	2885.12	o	-29	5	8	12255.00	6949.84	3792.63	o
18	6	2	168.93	59.53	2361.50	o	-27	5	8	137.42	2435.75	2432.70	o
20	6	2	8831.69	12737.79	2888.86	o	-25	5	8	68760.59	73876.07	34883.32	o
22	6	2	80519.74	57045.90	17793.46	o	-23	5	8	18141.39	17797.26	2506.19	o
24	6	2	557.15	-912.87	4048.37	o	-21	5	8	997.15	1290.70	2110.18	o
30	6	2	295.90	-2321.82	3234.68	o	-19	5	8	89744.88	92598.41	42948.88	o
32	6	2	8368.50	19257.29	3672.78	o	-17	5	8	44253.96	45462.11	8892.76	o
34	6	2	23323.46	19490.10	3794.71	o	-15	5	8	334.90	2341.68	2123.39	o
-25	7	2	13536.99	22262.46	4775.91	o	-13	5	8	73076.73	59150.84	3368.09	o
-23	7	2	92997.73	81672.20	14198.34	o	-11	5	8	59427.16	64743.52	3027.43	o
-21	7	2	73.33	-1769.23	3413.24	o	-9	5	8	4.84	-111.31	1736.75	o
-19	7	2	18011.53	20900.35	4022.44	o	-7	5	8	75240.13	66326.33	14592.61	o
-17	7	2	106787.05	107295.97	3287.71	o	-5	5	8	90760.51	97625.51	3130.39	o
-15	7	2	205.35	-944.36	1621.74	o	-3	5	8	1027.38	753.82	1548.03	o
-13	7	2	17464.88	20361.72	2205.46	o	-1	5	8	68525.27	60882.36	6357.18	o
-11	7	2	105503.13	103838.69	2784.19	o	1	5	8	194458.91	187699.44	7530.79	o
-9	7	2	70.79	392.27	1096.84	o	3	5	8	366.65	167.46	1464.77	o
-7	7	2	25377.07	23780.17	1690.35	o	5	5	8	31986.85	28732.43	1991.13	o
-5	7	2	100862.49	96165.95	3200.22	o	7	5	8	213874.64	202722.33	9930.20	o
-3	7	2	311.92	2233.40	1274.73	o	9	5	8	3.12	-800.53	1587.29	o
-1	7	2	34133.32	31912.47	2411.15	o	11	5	8	20886.46	19108.42	2990.29	o
1	7	2	97129.14	94012.16	3340.58	o	13	5	8	208240.00	190917.66	5001.42	o
3	7	2	110.06	-327.16	1763.08	o	15	5	8	706.30	793.81	1984.52	o
5	7	2	35379.44	33581.50	2406.37	o	17	5	8	15684.08	11418.54	3267.31	o
7	7	2	72286.39	66713.77	3049.85	o	19	5	8	255629.75	249974.94	17378.85	o
9	7	2	138.18	-465.26	1897.79	o	21	5	8	408.35	-1154.74	1852.70	o
11	7	2	37438.50	33964.20	5409.38	o	23	5	8	6445.26	4783.36	2046.79	o
13	7	2	49378.75	51377.87	2214.61	o	25	5	8	194365.25	222058.72	7557.65	o
15	7	2	571.81	1240.01	1634.38	o	27	5	8	107.53	3115.58	3552.16	o
17	7	2	37476.18	40129.25	3440.22	o	29	5	8	4314.92	6272.19	4346.86	o
19	7	2	50385.05	45545.44	14715.27	o	-22	6	8	21927.94	41640.46	5145.46	o
21	7	2	62.73	682.21	2336.30	o	-20	6	8	27541.10	28042.41	7462.21	o
23	7	2	32931.59	41328.02	4572.12	o	-18	6	8	600.71	211.05	2323.04	o
25	7	2	38096.84	36168.03	5010.63	o	-16	6	8	19391.49	16309.12	2860.55	o
-18	8	2	311.22	-1059.34	2206.61	o	-14	6	8	13935.02	17476.22	2800.17	o
-16	8	2	563.02	-1628.27	2098.91	o	-12	6	8	32.26	-564.63	2013.83	o
-14	8	2	49606.77	53729.28	2605.89	o	-10	6	8	13521.36	13339.33	2472.47	o
-12	8	2	15.76	-1400.28	2251.85	o	-8	6	8	4138.99	5494.65	2019.35	o
-10	8	2	576.13	693.73	2402.32	o	-6	6	8	183.30	-127.55	1843.13	o
-8	8	2	34649.24	33669.75	3070.08	o	-4	6	8	5803.83	6231.50	1857.64	o
-6	8	2	234.86	2017.11	2235.36	o	-2	6	8	305.78	1311.50	1781.57	o
-4	8	2	1918.19	1331.06	2154.47	o	0	6	8	287.66	-695.31	1758.15	o
-2	8	2	24917.43	22294.24	2534.66	o	2	6	8	237.22	-105.59	1794.65	o
0	8	2	552.11	1362.91	2087.31	o	4	6	8	16452.07	20282.54	2122.43	o
2	8	2	9083.48	10410.06	2405.20	o	6	6	8	100.33	697.99	1725.11	o
4	8	2	5297.80	6830.51	2317.60	o	8	6	8	1454.93	942.08	1807.06	o
6	8	2	110.74	-1164.62	2215.70	o	10	6	8	38525.76	40235.92	4892.12	o
8	8	2	12224.66	10907.86	2381.06	o	12	6	8	28.33	-178.60	2599.61	o
10	8	2	1628.74	1487.31	2505.12	o	14	6	8	4890.00	4069.17	2183.46	o
12	8	2	34.38	605.79	3085.80	o	16	6	8	55227.04	63550.01	3522.82	o
14	8	2	17429.69	17876.09	3297.15	o	22	6	8	61826.16	73039.09	6509.62	o
20	8	2	26609.98	30458.75	5494.28	o	24	6	8	703.16	-1151.01	4465.14	o
-43	1	3	680.54	79.38	3175.21	o	-9	7	8	175.94	-79.38	2698.86	o
-41	1	3	734.52	496.13	3155.38	o	-7	7	8	22779.70	21664.82	2712.97	o
-39	1	3	39681.34	40901.73	2727.47	o	-5	7	8	83684.11	93677.14	3623.71	o
-37	1	3	834.01	-1955.14	1955.14	o	-3	7	8	627.46	2317.28	2159.83	o
-35	1	3	881.15	535.71	1686.13	o	-1	7	8	31846.96	31772.78	2648.42	o
-33	1	3	98486.60	82583.96	7136.43	o	1	7	8	90765.61	104030.53	5692.48	o
-31	1	3	220.99	-337.36	2778.25	o	3	7	8	235.02	701.00	2143.22	o
-29	1	3	1287.46	79.38	2976.92	o	5	7	8	29393.88	29896.38	2535.44	o
-25	1	3	283.21	586.99	1398.90	o	7	7	8	64725.25	66414.30	4778.64	o
-23	1	3	292.14	-44.73	1086.00	o	9	7	8	74.89	796.69	2292.68	o
-21	1	3	567226.50	561689.38	14272.77	o	-31	1	9	460.28	-382.62	2646.38	o
-19	1	3	413.24	1135.18	829.24	o	-29	1	9	1919.48	323.49	2516.89	o
-17	1	3	39.63	-269.49	712.04	o	-27	1	9	82634.74	113771.88	5403.47	o
-15	1	3	1072794.63	1153509.50	32865.21	o	-25	1	9	498.58	-138.91	3254.57	o
-13	1	3	110.69	-361.72	594.84	o	-23	1	9	944.38	-1031.97	2996.67	o
-11	1	3	258.13	264.23	885.19	o	-21	1	9	242385.13	265800.59	37038.70	o
-9	1	3	786732.31	817729.44	35876.44	o	-19	1	9	506.36	127.04	1556.61	o

-7	1	3	74.64	618.02	395.68	o	-17	1	9	151.44	351.65	1607.41	o
-5	1	3	89.72	101.66	395.33	o	-15	1	9	402539.81	412963.78	36390.25	o
-3	1	3	2495001.25	3303116.00	59896.99	o	-13	1	9	55.13	1347.81	1275.04	o
-1	1	3	267.15	241.96	464.53	o	-11	1	9	218.37	1206.61	1304.33	o
1	1	3	187.73	404.47	470.18	o	-9	1	9	408511.25	398504.19	10934.98	o
3	1	3	2563182.50	3241355.25	12202.01	o	-7	1	9	125.47	-151.26	1001.46	o
5	1	3	60.96	281.69	469.75	o	-5	1	9	187.97	622.53	937.78	o
7	1	3	209.79	-319.36	448.95	o	-3	1	9	802347.13	822249.56	17297.48	o
9	1	3	916490.81	954355.44	10838.13	o	-1	1	9	611.67	432.02	1332.03	o
11	1	3	120.26	-236.38	528.05	o	1	1	9	283.74	701.55	1028.77	o
13	1	3	40.35	-472.77	472.77	o	3	1	9	879385.25	927479.31	38691.01	o
15	1	3	1237871.63	1321660.88	27731.58	o	5	1	9	89.82	-192.84	1091.02	o
17	1	3	105.64	128.78	755.54	o	7	1	9	150.41	-642.21	1017.92	o
19	1	3	253.59	567.16	892.74	o	9	1	9	573356.81	582125.25	21254.09	o
21	1	3	685885.63	690431.25	32713.95	o	11	1	9	123.58	198.57	1127.15	o
23	1	3	392.07	379.82	1230.00	o	13	1	9	44.08	-1107.75	1315.94	o
25	1	3	795.44	1325.50	1431.03	o	15	1	9	605580.81	580728.06	6412.49	o
27	1	3	175848.86	181084.11	7889.24	o	17	1	9	146.07	-980.15	1415.63	o
29	1	3	468.69	1461.79	1778.49	o	19	1	9	396.29	461.39	1497.82	o
31	1	3	115.17	-658.44	1815.77	o	21	1	9	417013.59	399330.31	5898.16	o
33	1	3	131600.80	107521.16	9474.65	o	23	1	9	398.06	-877.32	1809.45	o
35	1	3	378.75	641.90	1429.71	o	25	1	9	873.32	395.22	1980.43	o
37	1	3	296.75	538.18	1410.10	o	27	1	9	187286.13	169080.44	15665.29	o
39	1	3	53477.00	43120.60	2225.67	o	29	1	9	673.84	-1060.61	2501.97	o
41	1	3	281.72	-865.25	1712.95	o	31	1	9	254.97	-1150.99	3413.28	o
43	1	3	244.53	1462.69	1778.88	o	33	1	9	113379.84	101075.07	6048.93	o
45	1	3	12118.82	8033.74	2445.44	o	35	1	9	559.22	-1289.92	4782.63	o
-42	2	3	85357.73	105582.97	5581.13	o	-32	2	9	1013.42	277.84	3433.26	o
-40	2	3	60.16	-1196.05	2218.49	o	-30	2	9	61521.52	67477.11	4639.18	o
-38	2	3	526.33	-559.43	2250.61	o	-28	2	9	227.50	-59.53	3056.07	o
-36	2	3	62917.47	66408.52	3399.35	o	-26	2	9	639.63	1072.47	1996.65	o
-34	2	3	71.00	392.05	2582.52	o	-24	2	9	63838.14	69025.54	13744.09	o
-28	2	3	608.18	-615.20	2381.42	o	-22	2	9	176.27	1451.08	1756.81	o
-26	2	3	221.00	218.14	1296.88	o	-20	2	9	634.58	-180.40	1668.84	o
-24	2	3	129526.91	114836.97	8482.56	o	-18	2	9	29107.84	32978.89	5169.14	o
-22	2	3	466.15	1212.70	1220.33	o	-16	2	9	10.38	-225.73	1480.43	o
-20	2	3	45.80	1824.77	1375.37	o	-14	2	9	142.11	891.39	1369.98	o
-18	2	3	22994.89	20688.93	1357.80	o	-12	2	9	26694.02	25043.10	4433.41	o
-16	2	3	494.75	914.48	1076.48	o	-10	2	9	47.39	1309.73	1408.95	o
-14	2	3	105.53	-1121.70	1121.70	o	-8	2	9	41.24	714.40	1468.49	o
-12	2	3	41919.64	43906.60	1934.12	o	-6	2	9	3682.24	2679.70	1548.27	o
-10	2	3	340.22	-793.81	1111.33	o	-4	2	9	161.03	239.98	1498.27	o
-8	2	3	156.28	-658.38	1131.15	o	-2	2	9	98.15	587.80	1138.05	o
-6	2	3	32007.84	41624.38	2519.66	o	0	2	9	8436.03	10427.95	1292.23	o
-4	2	3	139.63	410.59	588.88	o	2	2	9	83.76	1504.91	1199.92	o
-2	2	3	7.28	214.26	623.37	o	4	2	9	59.14	-1020.22	1153.23	o
0	2	3	13596.87	12453.86	1146.89	o	6	2	9	3261.05	3216.98	1152.70	o
2	2	3	20.62	-458.72	563.56	o	8	2	9	47.65	-644.85	1114.65	o
4	2	3	144.52	95.97	480.78	o	10	2	9	119.84	-163.63	1143.66	o
6	2	3	29445.52	39293.31	837.99	o	12	2	9	18935.88	21642.83	1726.12	o
8	2	3	109.63	560.30	521.74	o	14	2	9	152.01	1288.61	1414.37	o
10	2	3	289.38	-152.03	538.97	o	16	2	9	27.99	210.12	1795.92	o
12	2	3	18960.52	18377.20	1843.69	o	18	2	9	15281.91	17591.16	2433.31	o
14	2	3	295.95	138.79	600.60	o	20	2	9	226.05	1334.06	1934.85	o
16	2	3	178.27	0.64	675.25	o	22	2	9	281.04	-942.91	1785.97	o
18	2	3	10789.33	10123.15	1389.74	o	24	2	9	24852.69	27168.04	2507.21	o
20	2	3	115.41	-704.32	704.32	o	26	2	9	234.88	992.23	2401.20	o
22	2	3	382.14	-464.32	938.55	o	28	2	9	297.53	-1091.46	2559.96	o
24	2	3	98236.38	94656.20	6343.51	o	30	2	9	23525.24	30996.73	3596.42	o
26	2	3	322.24	793.82	1225.00	o	32	2	9	400.83	1151.00	3393.46	o
28	2	3	622.51	-316.28	1254.81	o	34	2	9	130.89	1726.47	3889.52	o
30	2	3	59493.67	61318.70	5829.48	o	-31	3	9	289.47	1385.59	2433.89	o
32	2	3	436.05	-1252.69	1693.58	o	-29	3	9	168.33	-467.53	2230.59	o
34	2	3	51.78	274.18	1681.05	o	-27	3	9	73217.97	75339.65	4144.15	o
36	2	3	50359.32	51669.73	4169.54	o	-25	3	9	247.03	424.26	2002.22	o
38	2	3	472.61	-681.50	1699.71	o	-23	3	9	192.74	-1863.18	1863.18	o
40	2	3	169.61	569.51	1902.81	o	-21	3	9	117710.84	124612.84	3612.55	o
42	2	3	75802.71	84752.82	3345.64	o	-19	3	9	143.38	-31.90	1777.85	o
-43	3	3	118.41	4028.43	3591.85	o	-17	3	9	1070.41	-487.49	1718.92	o
-41	3	3	148.56	-476.27	3512.48	o	-15	3	9	157627.28	153316.75	4358.91	o
-39	3	3	42746.46	48216.46	5310.51	o	-13	3	9	111.86	1078.12	1567.83	o
-37	3	3	40.93	-1181.40	2419.04	o	-11	3	9	151.81	1091.45	1686.79	o
-35	3	3	281.78	1408.97	2694.20	o	-9	3	9	189684.17	186470.39	4641.67	o
-33	3	3	53816.38	53690.79	5315.33	o	-7	3	9	29.05	300.98	2103.51	o
-29	3	3	415.50	873.17	3810.22	o	-5	3	9	15.27	-649.35	1466.44	o
-27	3	3	104705.41	103642.83	5195.73	o	-3	3	9	223790.89	237798.33	19462.28	o
-25	3	3	164.30	34.54	1495.66	o	-1	3	9	351.04	-1237.64	1442.94	o
-23	3	3	351.22	-669.12	1350.20	o	1	3	9	777.67	-1129.90	1414.43	o
-21	3	3	182801.58	176008.42	3669.65	o	3	3	9	251622.66	263179.66	4112.19	o
-19	3	3	164.32	-1125.16	1349.19	o	5	3	9	12.85	-733.78	1401.08	o
-17	3	3	1054.48	791.59	2034.23	o	7	3	9	59.12	-638.65	1363.60	o

-15	3	3	219067.70	220481.97	4613.19	o	9	3	9	201667.97	202561.36	3853.42	o
-13	3	3	283.53	1040.98	846.65	o	11	3	9	53.78	-828.74	1314.38	o
-11	3	3	405.96	510.59	959.12	o	13	3	9	252.84	312.15	2192.84	o
-9	3	3	297893.97	284384.31	7733.70	o	15	3	9	159388.14	144209.45	4369.38	o
-7	3	3	112.39	571.66	793.33	o	17	3	9	420.22	-337.36	1786.04	o
-5	3	3	25.69	-359.01	511.28	o	19	3	9	59.84	-893.00	1825.69	o
-3	3	3	363842.38	374658.59	6134.96	o	21	3	9	145415.41	143638.34	4703.22	o
-1	3	3	250.86	112.08	581.05	o	23	3	9	81.65	-654.87	2202.73	o
1	3	3	693.85	-118.45	611.36	o	25	3	9	519.66	132.52	2016.50	o
3	3	3	389749.38	386299.06	8028.40	o	27	3	9	85813.80	76594.62	3392.32	o
5	3	3	28.71	-381.75	544.71	o	29	3	9	59.04	-1853.47	2361.48	o
7	3	3	83.69	-586.61	586.61	o	31	3	9	419.46	454.90	2402.54	o
9	3	3	300822.91	288176.84	10997.91	o	33	3	9	49249.01	50133.13	4396.60	o
11	3	3	143.19	-432.93	636.72	o	-30	4	9	92429.45	109175.45	15032.99	o
13	3	3	801.05	666.44	641.67	o	-28	4	9	38.54	-55.33	2381.00	o
15	3	3	211581.16	200806.52	6462.34	o	-26	4	9	1008.72	-120.20	2201.59	o
17	3	3	432.04	-187.94	719.09	o	-24	4	9	107416.40	115228.13	19460.83	o
19	3	3	80.61	449.29	930.38	o	-22	4	9	142.59	-1370.45	2192.82	o
21	3	3	197262.34	196474.00	3305.19	o	-20	4	9	804.05	347.56	2014.85	o
23	3	3	125.22	-580.98	1247.99	o	-18	4	9	81089.26	85211.24	16428.18	o
25	3	3	357.76	-989.76	1315.82	o	-16	4	9	21.72	759.74	1827.11	o
27	3	3	108484.52	94048.93	10703.84	o	-14	4	9	11.14	2282.10	2024.12	o
29	3	3	150.85	-119.07	1666.40	o	-12	4	9	52599.46	58847.48	3165.34	o
31	3	3	358.09	1062.17	1619.60	o	-10	4	9	69.16	-297.67	1746.31	o
33	3	3	54962.80	51807.08	2644.82	o	-8	4	9	140.98	509.82	1552.34	o
35	3	3	171.92	-1049.70	1685.60	o	-6	4	9	28659.90	30807.51	5467.06	o
37	3	3	24.06	1427.02	1876.38	o	-4	4	9	49.74	-72.76	1581.61	o
39	3	3	46631.18	48453.32	2819.76	o	-2	4	9	109.86	-1108.09	1530.15	o
41	3	3	57.39	1270.04	2837.75	o	0	4	9	14484.58	15165.04	1744.15	o
-38	4	3	1024.13	1600.63	2757.63	o	2	4	9	39.32	-514.63	1550.53	o
-36	4	3	91993.65	99430.98	5922.82	o	4	4	9	107.75	-1367.25	1497.42	o
-34	4	3	286.19	-1528.04	4048.31	o	6	4	9	16299.15	16458.52	1879.12	o
-32	4	3	174.55	-357.20	3949.07	o	8	4	9	103.76	276.60	1568.27	o
-30	4	3	94501.68	90018.00	6445.54	o	10	4	9	96.64	302.27	1315.36	o
-28	4	3	263.24	59.53	3314.06	o	12	4	9	22151.95	17457.59	4639.90	o
-26	4	3	538.73	1605.46	1824.07	o	14	4	9	8.96	722.32	1629.69	o
-24	4	3	107245.88	100554.01	4091.19	o	16	4	9	8.62	-874.49	1661.18	o
-22	4	3	213.34	-1190.93	1424.47	o	18	4	9	33305.61	30077.94	10706.71	o
-20	4	3	506.67	-1133.18	1285.93	o	20	4	9	402.49	-1105.80	1757.94	o
-18	4	3	47555.73	45345.45	3345.62	o	22	4	9	395.71	1589.93	1905.03	o
-16	4	3	134.98	-218.51	1241.79	o	24	4	9	51147.62	47046.64	12188.37	o
-14	4	3	326.14	82.61	1567.74	o	26	4	9	507.09	1095.67	2072.87	o
-12	4	3	19475.10	19545.48	1666.19	o	28	4	9	44.63	413.13	2149.92	o
-10	4	3	192.79	-370.84	958.00	o	30	4	9	46679.93	55477.36	4217.00	o
-8	4	3	131.63	-300.48	890.53	o	-25	5	9	210.03	-1210.52	3770.47	o
-6	4	3	9285.50	10293.59	1040.50	o	-23	5	9	521.92	-407.48	2254.24	o
-4	4	3	86.95	-368.40	636.82	o	-21	5	9	8563.58	7691.76	2397.95	o
-2	4	3	284.72	-127.63	631.28	o	-19	5	9	32.08	-86.64	2139.44	o
0	4	3	7310.51	9517.70	766.15	o	-17	5	9	196.24	1085.55	2530.18	o
2	4	3	156.22	398.23	714.74	o	-15	5	9	10605.84	7982.14	2482.01	o
4	4	3	246.35	777.71	611.90	o	-13	5	9	13.67	277.82	2163.04	o
6	4	3	7475.95	7050.00	671.13	o	-11	5	9	10.86	779.54	1920.19	o
8	4	3	175.77	556.80	645.42	o	-9	5	9	7268.59	8543.60	1985.21	o
10	4	3	201.14	360.02	670.78	o	-7	5	9	64.98	75.17	1629.62	o
12	4	3	11006.51	11339.79	871.68	o	-5	5	9	73.06	-404.05	1652.46	o
14	4	3	526.35	-515.28	749.99	o	-3	5	9	25075.79	25706.52	2177.68	o
16	4	3	47.41	143.66	823.80	o	-1	5	9	121.61	-1332.08	1672.70	o
18	4	3	26960.15	23578.07	3091.97	o	1	5	9	63.61	472.91	1736.39	o
20	4	3	296.34	1442.89	2242.46	o	3	5	9	29630.03	28497.94	2138.25	o
22	4	3	598.00	-813.65	2837.86	o	5	5	9	90.36	864.61	1699.42	o
24	4	3	76939.98	71762.61	4507.60	o	7	5	9	174.73	-885.25	1822.15	o
26	4	3	328.37	-1096.53	1925.24	o	9	5	9	19878.41	21536.23	2067.62	o
28	4	3	92.74	-1229.27	1895.08	o	11	5	9	24.80	377.04	2103.50	o
30	4	3	70083.20	77257.47	6256.95	o	13	5	9	7.77	-893.00	2083.66	o
32	4	3	157.35	121.72	1884.16	o	15	5	9	28859.96	26157.06	2723.04	o
34	4	3	127.71	-1436.76	1974.53	o	17	5	9	81.51	-1669.79	1896.79	o
36	4	3	74192.75	92202.09	6066.63	o	19	5	9	26.22	1047.07	1910.84	o
38	4	3	360.38	2105.42	2063.75	o	21	5	9	11785.02	12272.03	2218.71	o
-35	5	3	174.74	-635.02	3829.99	o	23	5	9	184.13	-1823.36	2086.92	o
-33	5	3	11215.19	11893.87	4269.08	o	25	5	9	579.67	1139.44	2283.68	o
-31	5	3	110.84	2666.27	3194.22	o	-16	6	9	428.49	-694.57	2639.36	o
-29	5	3	144.68	-856.36	2952.29	o	-14	6	9	396.55	-535.81	2520.28	o
-27	5	3	20736.61	17399.27	2356.75	o	-12	6	9	80707.29	91746.66	10911.19	o
-25	5	3	704.51	1750.47	2038.82	o	-10	6	9	313.30	2720.74	2976.70	o
-23	5	3	103.88	-167.03	1877.21	o	-8	6	9	39.37	94.54	2010.53	o
-21	5	3	2291.67	3757.91	1682.50	o	-6	6	9	90097.34	96803.28	4277.37	o
-19	5	3	27.84	-200.59	1248.91	o	-4	6	9	352.62	1375.02	2153.15	o
-17	5	3	16.49	-187.83	1223.22	o	-2	6	9	91.36	907.35	2242.42	o
-15	5	3	7894.86	6396.20	1203.46	o	0	6	9	116193.98	123839.98	3665.85	o
-13	5	3	14.71	-700.37	1153.85	o	2	6	9	182.26	-1903.21	1903.21	o
-11	5	3	28.90	373.55	1118.99	o	4	6	9	310.45	63.35	1896.81	o

-9	5	3	2553.93	5223.91	1193.22	o	6	6	9	84817.84	88013.77	4495.44	o
-7	5	3	113.76	-156.96	1023.54	o	8	6	9	64.78	36.85	2034.81	o
-5	5	3	124.15	-314.31	925.28	o	10	6	9	215.31	2401.19	2619.48	o
-3	5	3	42869.93	41297.23	1515.76	o	12	6	9	80018.80	83320.48	4045.46	o
-1	5	3	190.39	-200.62	927.04	o	14	6	9	162.40	99.22	2381.34	o
1	5	3	190.46	-450.34	744.66	o	16	6	9	189.34	1389.12	2619.48	o
3	5	3	44040.56	43972.63	1213.86	o	18	6	9	88377.13	82586.57	4206.07	o
5	5	3	158.12	-224.64	773.44	o	1	7	9	323.81	963.40	2246.97	o
7	5	3	127.23	379.91	868.38	o	3	7	9	150857.36	152427.02	4250.28	o
9	5	3	6024.48	6576.17	954.13	o	5	7	9	228.04	-495.70	2259.36	o
11	5	3	11.88	463.51	896.85	o	7	7	9	4.84	1133.71	2475.92	o
13	5	3	26.59	430.88	1215.34	o	9	7	9	119983.45	127468.14	5290.38	o
15	5	3	17184.79	17920.31	1400.59	o	-32	0	10	50715.56	87944.27	5829.79	o
17	5	3	27.70	-3.85	1282.77	o	-30	0	10	44.96	2222.57	3909.35	o
19	5	3	13.71	-1732.39	1732.39	o	-28	0	10	41881.41	36378.79	4813.38	o
21	5	3	1488.94	2431.67	2100.03	o	-26	0	10	79783.01	131182.23	6538.18	o
27	5	3	11143.12	11284.56	2713.80	o	-24	0	10	6.85	79.38	3532.30	o
29	5	3	116.52	720.28	2268.54	o	-22	0	10	26817.59	21545.54	4432.34	o
31	5	3	124.19	833.05	2306.72	o	-20	0	10	61022.24	103235.29	6134.76	o
33	5	3	5977.99	10505.33	2350.84	o	-18	0	10	9.37	-873.15	3949.03	o
35	5	3	118.19	-416.73	2319.75	o	-16	0	10	14785.09	13487.07	4449.34	o
-32	6	3	39.52	317.51	3949.03	o	-14	0	10	28757.57	47397.95	5149.36	o
-30	6	3	73308.84	75534.82	4890.37	o	-12	0	10	46.85	857.12	1658.62	o
-28	6	3	68.20	-1948.36	2810.00	o	-10	0	10	25391.74	24013.39	2186.65	o
-26	6	3	206.59	1082.33	1963.01	o	-8	0	10	34063.29	27290.53	2227.80	o
-24	6	3	96481.69	94641.40	3590.18	o	-6	0	10	35.21	317.51	1428.80	o
-22	6	3	836.82	-1145.42	1527.68	o	-4	0	10	12127.67	12890.02	1787.52	o
-20	6	3	107.57	513.21	1494.96	o	-2	0	10	12189.31	9831.46	1747.82	o
-18	6	3	156023.75	162546.08	6188.87	o	0	0	10	98.43	-793.78	1389.11	o
-16	6	3	375.10	-91.99	1485.60	o	2	0	10	34508.65	32564.81	2188.23	o
-14	6	3	491.14	1379.95	1406.52	o	4	0	10	4312.17	4069.33	1667.43	o
-12	6	3	112709.89	122754.66	2792.22	o	6	0	10	64.69	-116.44	1621.52	o
-10	6	3	98.35	111.50	1241.52	o	8	0	10	96642.25	98605.74	7900.71	o
-8	6	3	95.21	609.58	1166.68	o	10	0	10	8976.23	9559.63	2033.30	o
-6	6	3	123682.23	125497.75	2597.38	o	12	0	10	24.68	694.55	1964.59	o
-4	6	3	779.18	678.71	1093.47	o	14	0	10	79092.32	72327.08	3490.69	o
-2	6	3	14.99	115.74	1120.19	o	16	0	10	5180.81	3196.00	2163.75	o
0	6	3	199253.75	198829.44	3614.91	o	18	0	10	22.81	39.69	2242.41	o
2	6	3	35.62	-1146.18	1146.18	o	20	0	10	170072.83	163358.58	5473.35	o
4	6	3	708.39	1780.18	1174.64	o	22	0	10	9428.01	8597.41	2640.78	o
6	6	3	120458.21	125753.63	5559.12	o	24	0	10	4.34	1091.44	2639.30	o
8	6	3	34.98	269.93	1171.62	o	26	0	10	222811.03	217797.67	7253.23	o
10	6	3	203.82	-935.55	1191.89	o	28	0	10	15130.30	19185.57	4170.78	o
12	6	3	113912.78	115220.88	6577.88	o	30	0	10	34.71	-1309.73	4087.94	o
14	6	3	305.30	-109.05	1454.31	o	32	0	10	140962.77	137190.75	7816.06	o
16	6	3	188.01	-442.73	1576.54	o	-33	1	10	73.02	39.69	3730.75	o
18	6	3	149968.02	159151.28	5866.31	o	-31	1	10	7611.63	3639.06	2835.19	o
20	6	3	79.72	-654.56	2257.08	o	-29	1	10	840.97	163.41	2711.53	o
22	6	3	531.56	1627.29	3949.15	o	-27	1	10	76.06	475.14	2709.03	o
30	6	3	75172.64	88294.03	6733.62	o	-25	1	10	13428.03	11101.44	3614.42	o
32	6	3	21.70	-3770.43	4464.98	o	-23	1	10	1022.08	1607.49	3214.98	o
-27	7	3	8653.74	3216.19	3712.51	o	-21	1	10	491.52	1091.47	3254.57	o
-25	7	3	276.03	-337.36	3790.32	o	-19	1	10	51512.52	51962.77	5354.94	o
-23	7	3	605.21	-1556.80	2207.68	o	-17	1	10	7451.56	6410.33	2630.60	o
-21	7	3	45810.05	48962.80	2481.00	o	-15	1	10	335.75	508.66	1518.13	o
-19	7	3	227.28	-90.01	1826.10	o	-13	1	10	50776.74	48794.10	13837.61	o
-17	7	3	54.37	820.09	1836.35	o	-11	1	10	8027.12	7743.11	4288.67	o
-15	7	3	99106.91	102689.30	3278.54	o	-9	1	10	161.92	1116.71	1492.81	o
-13	7	3	239.00	769.10	1523.93	o	-7	1	10	52983.40	58719.85	1893.57	o
-11	7	3	28.57	563.83	1527.97	o	-5	1	10	15416.86	12227.04	2165.35	o
-9	7	3	144411.94	144483.39	3147.18	o	-3	1	10	192.59	-167.31	1170.12	o
-7	7	3	24.87	535.80	1409.51	o	-1	1	10	96570.02	101002.47	3406.82	o
-5	7	3	592.53	317.89	1613.83	o	1	1	10	33878.39	29370.66	4764.03	o
-3	7	3	231861.28	224797.59	4787.85	o	3	1	10	82.42	148.64	1174.67	o
-1	7	3	96.28	1377.72	1423.11	o	5	1	10	43941.69	47299.70	2245.94	o
1	7	3	135.27	-46.03	1865.65	o	7	1	10	18644.38	17451.39	2469.48	o
3	7	3	248072.95	231081.56	6301.72	o	9	1	10	56.77	826.93	1158.32	o
5	7	3	596.72	747.62	1807.13	o	11	1	10	22153.06	21813.71	1751.79	o
7	7	3	40.82	840.55	1879.35	o	13	1	10	18176.07	19028.91	1784.94	o
9	7	3	167962.00	157330.16	4326.08	o	15	1	10	134.50	-523.59	1525.52	o
11	7	3	22.57	-375.04	1982.94	o	17	1	10	20595.30	19430.19	1874.39	o
13	7	3	323.41	-1964.23	3443.06	o	19	1	10	18281.44	19274.77	1990.50	o
15	7	3	124316.77	116699.87	3546.73	o	21	1	10	216.49	422.70	1758.45	o
17	7	3	85.13	2301.96	2639.31	o	23	1	10	1879.69	2670.21	1988.29	o
19	7	3	391.48	1305.79	2311.66	o	25	1	10	5143.94	6241.40	2247.14	o
21	7	3	68915.09	58339.59	11362.64	o	27	1	10	49.42	-2361.48	2361.48	o
23	7	3	427.78	1170.84	3651.44	o	29	1	10	542.36	3687.95	2697.47	o
25	7	3	282.71	-912.85	4306.29	o	31	1	10	3360.54	2934.14	3203.94	o
-18	8	3	131217.59	147816.44	6412.04	o	-32	2	10	25050.83	37216.14	4490.58	o
-16	8	3	1069.78	-1472.13	2251.97	o	-30	2	10	291.12	1468.50	3552.19	o
-14	8	3	194.84	750.27	2039.34	o	-28	2	10	23709.58	18399.24	3536.79	o

-12	8	3	160329.27	177153.75	3936.01	o	-26	2	10	35083.75	55710.98	4413.93	o
-10	8	3	524.58	304.95	1740.63	o	-24	2	10	125.26	838.17	1994.29	o
-8	8	3	129.40	-382.75	2484.02	o	-22	2	10	23696.52	27518.28	5424.90	o
-6	8	3	215742.69	221086.14	5507.07	o	-20	2	10	34165.84	37225.34	13660.52	o
-4	8	3	745.20	-936.52	2305.78	o	-18	2	10	208.39	641.67	1547.14	o
-2	8	3	643.64	1494.58	2243.11	o	-16	2	10	22963.61	24559.89	7243.50	o
0	8	3	301863.13	284966.19	7127.51	o	-14	2	10	20556.63	20187.71	7580.41	o
2	8	3	701.18	420.87	2220.48	o	-12	2	10	605.28	1030.23	1481.81	o
4	8	3	644.77	-2351.64	2351.64	o	-10	2	10	20841.68	24878.84	2225.58	o
6	8	3	231644.38	227070.13	5487.19	o	-8	2	10	19308.71	12955.01	1887.62	o
8	8	3	53.61	773.82	2415.57	o	-6	2	10	93.34	-1547.87	1547.87	o
10	8	3	553.26	-1878.90	2449.18	o	-4	2	10	21147.80	20165.56	1911.55	o
12	8	3	181517.81	172500.88	14712.73	o	-2	2	10	14812.28	14137.04	5730.83	o
14	8	3	106.59	2460.71	3095.74	o	0	2	10	10.87	-260.43	1301.85	o
-44	0	4	55434.88	104437.22	5512.41	o	2	2	10	41345.97	46745.95	1883.04	o
-42	0	4	1124.14	2381.46	3373.74	o	4	2	10	7417.90	7271.61	1355.63	o
-40	0	4	40900.38	38882.11	4256.15	o	6	2	10	48.67	713.31	1213.03	o
-38	0	4	79698.19	153010.50	6538.23	o	8	2	10	54556.18	51600.66	1927.90	o
-36	0	4	376.93	4127.72	3988.80	o	10	2	10	7312.81	6551.79	1371.11	o
-28	0	4	20034.09	28616.55	3875.16	o	12	2	10	245.16	-1343.90	1473.07	o
-26	0	4	162453.48	209561.25	47784.46	o	14	2	10	57605.48	58464.50	2698.63	o
-24	0	4	373.91	-1180.48	1409.79	o	16	2	10	8063.80	6992.60	1779.34	o
-22	0	4	14984.30	16140.43	1562.13	o	18	2	10	77.49	-158.12	2490.48	o
-20	0	4	144814.34	192604.78	53475.41	o	20	2	10	94017.11	86549.45	3681.52	o
-18	0	4	342.99	-79.38	1329.62	o	22	2	10	8403.84	7932.84	2382.47	o
-16	0	4	6842.77	9611.56	1270.95	o	24	2	10	52.52	-639.70	2936.97	o
-14	0	4	76334.94	67891.73	1901.45	o	26	2	10	98086.25	94906.69	4608.67	o
-12	0	4	672.33	0.00	952.61	o	28	2	10	8482.44	9112.70	3057.42	o
-10	0	4	9787.52	14008.43	874.29	o	30	2	10	180.56	-496.11	3056.06	o
-8	0	4	89522.90	75505.36	1708.27	o	32	2	10	70012.24	61797.30	4899.17	o
-6	0	4	288.29	773.96	734.27	o	-31	3	10	50884.43	41103.82	4536.14	o
-4	0	4	10869.00	13180.01	874.69	o	-29	3	10	3505.98	4264.50	3354.30	o
-2	0	4	20857.15	17185.77	995.70	o	-27	3	10	83.66	-2392.45	2392.45	o
0	0	4	25.70	-99.22	734.24	o	-25	3	10	95988.84	110528.00	21752.00	o
2	0	4	58937.27	60021.04	1623.27	o	-23	3	10	12188.54	13157.70	4884.99	o
4	0	4	3814.18	3335.91	814.12	o	-21	3	10	745.52	809.66	1968.46	o
6	0	4	209.88	416.74	833.49	o	-19	3	10	261113.98	255455.67	57700.42	o
8	0	4	254353.55	259391.45	3884.71	o	-17	3	10	45513.18	54208.63	23508.52	o
10	0	4	4393.18	2481.99	1171.50	o	-15	3	10	718.45	803.00	1714.48	o
12	0	4	278.42	499.11	788.29	o	-13	3	10	287941.84	279669.09	49016.93	o
14	0	4	213756.47	237710.80	27428.01	o	-11	3	10	57060.74	40963.14	2807.88	o
16	0	4	2710.46	3106.18	823.34	o	-9	3	10	153.05	873.16	1746.32	o
18	0	4	145.41	-146.85	1163.07	o	-7	3	10	318890.44	349848.78	6679.21	o
20	0	4	406318.81	398861.94	10692.54	o	-5	3	10	99677.73	87680.84	36125.59	o
22	0	4	7329.74	6308.92	2154.45	o	-3	3	10	142.68	360.21	1637.89	o
24	0	4	701.35	-21.88	1718.91	o	-1	3	10	469121.47	487913.69	6444.38	o
26	0	4	454683.66	482838.06	11352.76	o	1	3	10	164627.34	151781.80	30009.46	o
28	0	4	10070.17	8022.85	3475.25	o	3	3	10	111.09	1298.05	2311.88	o
34	0	4	7732.01	9766.23	4516.73	o	5	3	10	284077.25	289920.06	6756.93	o
36	0	4	1049.51	-1863.96	2266.11	o	7	3	10	111922.41	116894.15	13290.70	o
38	0	4	222466.64	229647.80	44615.21	o	9	3	10	80.58	507.97	1433.90	o
40	0	4	16820.70	22356.13	9921.33	o	11	3	10	162447.14	163667.63	4005.75	o
42	0	4	2012.72	-266.81	2420.51	o	13	3	10	101109.37	129118.12	7407.27	o
44	0	4	155501.11	180260.97	33201.77	o	15	3	10	332.39	-1394.18	1732.24	o
-43	1	4	1797.61	1051.85	3671.54	o	17	3	10	129353.42	124522.88	4478.67	o
-41	1	4	1979.26	-1270.17	3512.82	o	19	3	10	91589.98	80631.40	3889.94	o
-39	1	4	49.80	2405.45	2464.63	o	21	3	10	266.06	-595.34	2182.91	o
-37	1	4	10948.84	10554.77	3246.59	o	23	3	10	33316.79	35626.24	3240.56	o
-35	1	4	1098.07	1091.51	3453.14	o	27	3	10	80.93	2013.85	2425.21	o
-33	1	4	3.42	-3552.14	3552.14	o	29	3	10	8289.76	4107.67	2533.55	o
-29	1	4	4266.54	575.31	2395.76	o	-28	4	10	12950.50	17692.87	4348.75	o
-27	1	4	0.25	915.50	1295.96	o	-26	4	10	1967.73	3601.64	2518.28	o
-25	1	4	27236.54	28620.74	5382.04	o	-24	4	10	218.32	1195.42	2415.69	o
-23	1	4	2504.90	3590.58	1338.96	o	-22	4	10	34630.81	36528.52	7942.46	o
-21	1	4	164.76	728.96	1254.51	o	-20	4	10	7824.77	7364.85	3990.41	o
-19	1	4	99810.96	97088.73	7828.86	o	-18	4	10	157.09	-719.72	1874.91	o
-17	1	4	3523.82	5727.93	1593.39	o	-16	4	10	63904.52	71613.50	15583.86	o
-15	1	4	133.96	245.39	599.31	o	-14	4	10	13958.86	11101.82	2363.36	o
-13	1	4	82394.86	81864.05	10001.78	o	-12	4	10	11.35	-138.91	1885.21	o
-11	1	4	2043.35	1201.21	708.87	o	-10	4	10	48383.56	55064.61	3203.98	o
-9	1	4	22.93	-157.63	469.86	o	-8	4	10	13206.52	20693.96	5203.28	o
-7	1	4	45212.96	44889.43	1407.81	o	-6	4	10	102.52	179.64	1688.77	o
-5	1	4	8284.72	6267.17	624.75	o	-4	4	10	81068.28	86809.95	3136.11	o
-3	1	4	34.61	-508.68	508.68	o	-2	4	10	29791.34	34332.60	4472.98	o
-1	1	4	141169.95	138633.13	2076.39	o	0	4	10	11.37	-357.13	1705.14	o
1	1	4	49510.82	47136.18	6457.13	o	2	4	10	83964.07	92654.57	3047.13	o
3	1	4	40.47	-607.22	607.22	o	4	4	10	28436.71	27055.28	3816.61	o
5	1	4	23543.26	24077.55	948.74	o	6	4	10	148.35	177.37	1756.17	o
7	1	4	15906.99	16458.88	958.95	o	8	4	10	37605.69	39358.50	5170.99	o
9	1	4	16.55	-521.31	521.31	o	10	4	10	16990.03	13924.71	2264.50	o
11	1	4	1439.65	2708.73	584.61	o	12	4	10	23.51	-674.71	1944.75	o

13	1	4	29754.79	31484.30	2514.67	o	14	4	10	39695.19	38685.42	3341.39	o
15	1	4	71.92	-172.46	658.67	o	16	4	10	22509.49	16829.93	6278.74	o
17	1	4	8244.70	11990.96	871.45	o	18	4	10	221.87	-1675.15	2748.48	o
19	1	4	35322.98	36359.54	4485.59	o	20	4	10	21934.58	18110.41	2292.39	o
21	1	4	59.04	462.53	988.01	o	22	4	10	12152.52	6681.53	3058.01	o
23	1	4	2958.86	3924.70	1206.88	o	24	4	10	196.26	60.25	2194.35	o
25	1	4	10345.60	10373.04	2179.92	o	26	4	10	5470.61	2558.11	2278.33	o
27	1	4	0.19	-304.93	1547.06	o	28	4	10	4550.93	6431.05	3195.67	o
29	1	4	6230.00	6127.63	1814.26	o	-19	5	10	189218.70	184133.80	31360.95	o
31	1	4	7982.64	6431.33	4487.15	o	-17	5	10	46196.48	49333.78	22677.69	o
33	1	4	7.26	512.75	2104.04	o	-15	5	10	139.58	-2262.27	2440.87	o
35	1	4	1259.74	1630.24	2052.97	o	-13	5	10	234325.06	252086.41	6591.02	o
37	1	4	4439.82	4714.20	1736.63	o	-11	5	10	62328.29	52467.93	3424.85	o
39	1	4	136.29	-296.25	1669.16	o	-9	5	10	134.54	405.82	5090.11	o
41	1	4	3185.57	3110.26	1959.08	o	-7	5	10	268123.84	288024.78	5638.67	o
43	1	4	1208.63	1890.28	2251.12	o	-5	5	10	93701.38	80950.16	15160.60	o
-42	2	4	64.45	2460.71	3869.66	o	-3	5	10	38.83	330.23	1830.32	o
-40	2	4	29526.80	27905.24	4611.12	o	-1	5	10	313399.91	330908.56	17293.98	o
-38	2	4	42021.31	58651.92	30839.82	o	3	5	10	41.89	1965.60	1874.17	o
-36	2	4	22.41	893.00	4087.94	o	5	5	10	267041.44	280730.22	21397.40	o
-30	2	4	253.16	-187.85	2768.88	o	7	5	10	94093.62	101535.17	5146.58	o
-28	2	4	30284.48	26558.20	3372.67	o	9	5	10	263.13	59.53	2480.58	o
-26	2	4	78013.10	95554.54	18938.56	o	11	5	10	177129.27	184489.02	5469.75	o
-24	2	4	186.38	136.71	1477.55	o	15	5	10	134.23	-1726.47	2341.65	o
-22	2	4	40833.39	37340.70	3061.11	o	17	5	10	131568.09	121168.99	4755.64	o
-20	2	4	99072.66	121066.31	32822.54	o	21	5	10	34.32	-424.36	2183.86	o
-18	2	4	67.10	-83.47	1266.45	o	23	5	10	80934.63	79149.59	5280.21	o
-16	2	4	45121.86	44056.50	6944.91	o	-8	6	10	6943.53	5413.68	2311.61	o
-14	2	4	67623.57	75225.81	23752.86	o	-6	6	10	155.49	-1051.08	2146.08	o
-12	2	4	547.13	-456.45	1091.50	o	-4	6	10	67787.43	74306.63	3333.39	o
-10	2	4	45630.30	48446.05	1934.65	o	-2	6	10	18390.32	18017.95	3247.69	o
-8	2	4	67290.65	73173.02	14220.08	o	0	6	10	10.91	1429.94	2124.45	o
-6	2	4	159.26	-304.96	757.18	o	2	6	10	52134.68	52064.83	2900.13	o
-4	2	4	78425.23	86779.82	2995.85	o	4	6	10	23910.67	22480.05	2424.42	o
-2	2	4	64147.89	68841.17	5288.49	o	6	6	10	87.70	-581.00	2257.53	o
0	2	4	77.86	-198.73	764.95	o	8	6	10	19734.46	21056.60	3357.14	o
2	2	4	179742.42	185350.52	5810.46	o	10	6	10	17369.76	12950.13	3098.50	o
4	2	4	27906.87	28650.69	2969.24	o	12	6	10	568.99	-912.87	2500.46	o
6	2	4	88.01	-290.90	563.28	o	14	6	10	8620.98	10522.11	2938.25	o
8	2	4	191552.67	191697.63	7846.48	o	-31	1	11	2795.22	6159.74	2957.53	o
10	2	4	16044.67	16620.36	1271.14	o	-29	1	11	158341.50	192024.58	8762.95	o
12	2	4	192.30	-114.98	630.69	o	-27	1	11	409.10	-1538.19	3046.15	o
14	2	4	19244.09	177629.45	3211.96	o	-25	1	11	5079.79	6519.24	3009.48	o
16	2	4	15928.68	20366.30	3486.87	o	-21	1	11	98.65	3214.80	3532.31	o
18	2	4	25.66	899.31	803.20	o	-19	1	11	14362.90	28003.75	4091.33	o
20	2	4	275682.66	259365.34	6872.60	o	-17	1	11	354324.53	234266.13	8041.12	o
22	2	4	15133.18	12649.74	4227.23	o	-15	1	11	12.10	136.38	1671.89	o
24	2	4	68.41	-523.27	1005.83	o	-13	1	11	19791.01	23199.80	9417.60	o
26	2	4	219691.52	227159.16	12152.31	o	-11	1	11	304104.22	292862.59	84350.01	o
28	2	4	10981.26	9868.55	2527.32	o	-9	1	11	5.94	976.77	1771.34	o
30	2	4	125.49	-1095.38	1584.43	o	-7	1	11	39615.62	29921.09	2566.37	o
32	2	4	136144.25	139354.89	17745.75	o	-5	1	11	285308.34	330609.69	6303.87	o
34	2	4	9820.21	12382.35	6691.44	o	-3	1	11	6.40	736.05	1302.52	o
36	2	4	28.69	-572.14	1946.60	o	-1	1	11	89566.13	80615.13	3552.73	o
38	2	4	115680.47	116381.66	22177.10	o	1	1	11	254820.31	278328.72	8531.51	o
40	2	4	10945.42	14109.00	7197.77	o	3	1	11	9.26	74.69	1325.58	o
42	2	4	109.13	2043.98	2996.51	o	5	1	11	100094.98	101115.59	4094.15	o
-41	3	4	1454.80	2024.27	4068.39	o	7	1	11	112830.20	128859.15	5927.91	o
-39	3	4	555.62	1783.44	3051.85	o	9	1	11	5.01	-386.89	1265.71	o
-37	3	4	88378.06	79881.95	22701.03	o	11	1	11	106580.48	94482.73	3915.14	o
-31	3	4	148403.64	107736.28	6767.30	o	13	1	11	56342.40	68303.15	6212.72	o
-29	3	4	2703.46	2868.82	2663.07	o	15	1	11	15.30	359.84	1639.41	o
-27	3	4	469.68	-1078.34	1546.07	o	17	1	11	124109.95	124251.24	5277.08	o
-25	3	4	263271.16	235840.44	23476.54	o	19	1	11	38263.93	45409.56	3480.43	o
-23	3	4	9553.31	15933.71	3385.77	o	21	1	11	50.80	1569.53	1981.50	o
-21	3	4	1537.26	645.02	1454.30	o	25	1	11	13297.46	13241.51	2538.44	o
-19	3	4	646124.31	540161.25	106585.22	o	27	1	11	188.19	1267.98	2614.39	o
-17	3	4	54415.41	75279.70	23361.06	o	29	1	11	55527.17	77295.84	7074.95	o
-15	3	4	876.09	-198.46	1349.52	o	-30	2	11	1633.65	555.69	3711.20	o
-13	3	4	655005.94	628904.94	7803.62	o	-28	2	11	37568.06	60165.41	4970.70	o
-11	3	4	57020.20	54882.10	2294.24	o	-26	2	11	2195.46	2004.51	3274.70	o
-9	3	4	323.59	736.63	1095.63	o	-24	2	11	1347.47	-3016.56	3274.55	o
-7	3	4	629552.50	687623.88	11162.80	o	-22	2	11	48555.60	50641.88	19499.26	o
-5	3	4	153496.38	140442.38	10586.83	o	-20	2	11	2292.32	3460.64	1878.46	o
-3	3	4	182.05	510.48	708.68	o	-18	2	11	827.37	913.76	1769.85	o
-1	3	4	990319.50	1010338.56	25036.36	o	-16	2	11	38523.04	39200.52	13405.03	o
1	3	4	347306.97	322135.31	19181.58	o	-14	2	11	1362.25	2515.51	1679.28	o
3	3	4	116.65	-196.86	694.48	o	-12	2	11	583.79	1307.79	1712.35	o
5	3	4	436909.09	462364.13	8119.94	o	-10	2	11	32518.25	24218.23	2465.57	o
7	3	4	220957.00	206005.88	11676.30	o	-8	2	11	3202.59	1984.83	1845.89	o
9	3	4	118.41	-715.76	715.76	o	-6	2	11	168.23	1250.21	1885.23	o

11	3	4	161732.36	172237.95	7075.57	o	-4	2	11	19974.86	19167.03	4679.18	o
13	3	4	229748.13	200634.38	44970.46	o	-2	2	11	15717.98	19430.25	2522.72	o
15	3	4	406.64	311.81	661.40	o	0	2	11	326.79	313.41	1984.48	o
17	3	4	154238.83	145355.81	17189.71	o	2	2	11	5520.74	4850.05	1492.66	o
19	3	4	226661.03	229838.91	59901.66	o	4	2	11	56020.77	62094.77	2178.56	o
21	3	4	651.48	-116.28	1057.38	o	6	2	11	125.75	101.45	1338.13	o
23	3	4	22084.67	26419.68	3395.25	o	8	2	11	1149.31	-15.70	1342.36	o
25	3	4	93474.61	81000.00	32642.08	o	10	2	11	92279.94	88870.58	2891.05	o
27	3	4	396.95	5.98	1451.89	o	12	2	11	205.39	-278.38	1600.46	o
29	3	4	3261.40	4624.68	2461.20	o	14	2	11	614.91	-558.57	1669.52	o
31	3	4	53278.71	57079.03	32928.06	o	16	2	11	108604.88	108571.67	3492.70	o
33	3	4	765.89	771.46	1944.10	o	18	2	11	293.27	-333.15	1914.70	o
35	3	4	3439.42	548.00	2987.15	o	20	2	11	816.72	-90.29	3294.31	o
37	3	4	32040.72	40456.31	20693.89	o	22	2	11	136187.75	122523.77	4147.07	o
39	3	4	1369.30	1083.92	2115.99	o	24	2	11	581.40	1846.93	2344.33	o
-38	4	4	1324.64	-932.75	5556.80	o	26	2	11	904.21	627.20	2640.55	o
-36	4	4	364.02	4385.69	4842.12	o	28	2	11	105914.20	98046.69	5207.61	o
-32	4	4	2327.50	1925.15	5160.21	o	-27	3	11	31.18	-3.51	2463.72	o
-30	4	4	210.26	-2540.11	3869.70	o	-25	3	11	11854.07	12379.61	4199.66	o
-28	4	4	41431.10	34793.52	2334.48	o	-23	3	11	49942.98	51888.04	8973.38	o
-26	4	4	2228.55	3637.06	1718.03	o	-21	3	11	82.72	182.82	2084.66	o
-24	4	4	561.10	243.26	1484.53	o	-19	3	11	14278.37	16153.56	8162.40	o
-22	4	4	86614.34	73922.17	15697.81	o	-17	3	11	61965.12	62915.31	14217.67	o
-20	4	4	13448.12	19450.96	6207.15	o	-15	3	11	100.02	660.95	1847.70	o
-18	4	4	453.92	-451.41	1453.70	o	-13	3	11	16552.15	17067.49	9931.59	o
-16	4	4	164696.02	160068.19	4338.65	o	-11	3	11	62623.57	70822.94	3505.30	o
-14	4	4	20490.55	20710.43	2007.44	o	-9	3	11	136.91	277.82	1865.38	o
-12	4	4	56.96	1018.60	1119.90	o	-7	3	11	21487.56	17638.71	3636.14	o
-10	4	4	114188.63	124081.67	7025.23	o	-5	3	11	71818.80	77039.80	3157.89	o
-8	4	4	19843.02	18924.81	1531.67	o	-3	3	11	99.19	-112.83	1776.48	o
-6	4	4	153.27	599.31	969.11	o	-1	3	11	25365.35	30845.41	4730.16	o
-4	4	4	169133.19	177557.00	3290.02	o	1	3	11	72316.58	68291.88	5361.31	o
-2	4	4	67231.91	66094.42	2273.22	o	3	3	11	272.89	-14.26	1795.94	o
0	4	4	50.32	-260.63	767.71	o	5	3	11	25190.46	21330.93	3219.62	o
2	4	4	189381.50	201028.67	4169.27	o	7	3	11	60908.96	63626.39	2691.19	o
4	4	4	59658.38	55684.39	2723.63	o	9	3	11	118.27	-1474.46	2212.66	o
6	4	4	263.08	-193.43	701.58	o	11	3	11	21976.62	28493.11	5285.33	o
8	4	4	56506.53	59024.00	1207.60	o	13	3	11	46982.25	46536.02	3621.39	o
10	4	4	40077.42	39831.27	2266.94	o	15	3	11	36.33	163.78	1978.11	o
12	4	4	105.61	24.55	797.33	o	17	3	11	21833.84	18100.15	2662.37	o
14	4	4	57707.59	59047.46	1539.13	o	19	3	11	39848.39	37846.05	3321.22	o
16	4	4	58229.62	58683.59	4915.82	o	21	3	11	181.73	1250.21	2579.79	o
18	4	4	307.59	204.06	1020.78	o	23	3	11	17542.31	11599.83	2979.41	o
20	4	4	37650.29	37249.84	4792.96	o	25	3	11	32041.61	27271.62	3518.28	o
22	4	4	30388.80	15265.30	2275.49	o	-24	4	11	535.89	-2103.56	2996.58	o
24	4	4	714.39	-1766.61	2046.53	o	-22	4	11	68722.18	38335.04	3903.20	o
26	4	4	5675.09	6114.22	2640.23	o	-20	4	11	3007.74	5126.97	2316.57	o
28	4	4	14655.82	2025.91	2621.76	o	-18	4	11	719.35	-178.19	2116.29	o
30	4	4	413.50	-1025.73	2059.93	o	-16	4	11	58134.24	89418.82	6748.21	o
32	4	4	6425.67	3671.80	2217.25	o	-14	4	11	7002.62	7920.91	2521.19	o
34	4	4	12380.70	11321.48	7128.93	o	-12	4	11	201.44	1031.92	2163.06	o
36	4	4	750.90	1104.38	2560.02	o	-8	4	11	13049.29	13123.57	2571.73	o
38	4	4	3695.69	-734.38	3612.36	o	-6	4	11	242.52	2280.99	2768.32	o
-33	5	4	163.56	-264.56	3806.02	o	-4	4	11	37021.40	31244.44	7646.18	o
-31	5	4	121431.21	106641.49	7030.87	o	-2	4	11	43508.31	41503.92	2611.28	o
-29	5	4	13801.11	14656.34	4071.21	o	0	4	11	699.55	76.79	1937.75	o
-27	5	4	250.50	-593.29	2234.16	o	2	4	11	15457.86	11859.47	2502.59	o
-25	5	4	237742.80	202401.20	13581.37	o	4	4	11	105492.62	100942.19	3381.55	o
-23	5	4	33179.09	44499.87	12518.07	o	6	4	11	115.77	934.69	1968.39	o
-21	5	4	416.49	-100.41	1473.88	o	8	4	11	4600.41	1696.37	1740.50	o
-19	5	4	408241.69	355882.75	46399.42	o	10	4	11	129486.62	123698.19	4576.97	o
-17	5	4	62469.53	64618.42	3247.86	o	12	4	11	553.96	-773.95	2123.41	o
-15	5	4	103.29	-382.66	1305.97	o	14	4	11	2455.98	1607.61	2183.17	o
-13	5	4	432613.13	433257.59	13239.32	o	16	4	11	165540.16	154833.80	4336.84	o
-11	5	4	87923.90	90383.34	7114.21	o	18	4	11	714.20	516.66	2107.35	o
-9	5	4	81.51	-5.00	1106.34	o	20	4	11	1174.12	-535.61	2271.18	o
-7	5	4	504267.94	515227.53	14484.15	o	22	4	11	194494.75	188595.44	4891.65	o
-5	5	4	139275.36	136148.20	4771.35	o	24	4	11	191.74	2242.43	4326.11	o
-3	5	4	6.69	1881.49	1083.14	o	-13	5	11	7261.91	5796.74	2660.15	o
-1	5	4	571793.63	574082.88	20292.85	o	-11	5	11	7463.85	7484.25	2660.19	o
1	5	4	200547.00	187693.78	9030.86	o	-9	5	11	368.50	483.28	3333.92	o
3	5	4	18.92	680.92	1022.61	o	-7	5	11	3749.82	4265.91	2181.15	o
5	5	4	396518.75	408694.41	6327.27	o	-5	5	11	2472.55	3345.43	2034.47	o
7	5	4	177375.48	171715.33	11105.52	o	-3	5	11	383.56	2459.28	2052.59	o
9	5	4	45.48	-474.01	902.05	o	-1	5	11	289.18	-54.95	2103.53	o
11	5	4	248090.73	243007.25	10466.80	o	1	5	11	550.47	1942.99	2095.32	o
13	5	4	151855.95	161857.91	8184.03	o	3	5	11	382.02	1008.56	2274.24	o
15	5	4	227.36	-387.45	1014.81	o	5	5	11	900.89	132.04	2092.78	o
17	5	4	177990.98	189721.39	6182.99	o	7	5	11	10394.71	10258.08	2249.81	o
19	5	4	143104.50	178325.84	72489.75	o	9	5	11	209.50	515.96	2381.35	o
21	5	4	198.44	-575.49	2917.16	o	11	5	11	2679.67	1925.17	2461.05	o

23	5	4	94259.89	88429.11	5468.20	o	13	5	11	20067.04	22983.87	3039.35	o
25	5	4	83621.02	53387.48	6670.42	o	15	5	11	269.28	2421.04	2579.80	o
27	5	4	257.59	833.47	3115.61	o	0	6	11	245.67	4683.32	4147.52	o
29	5	4	38874.87	43274.32	4275.73	o	2	6	11	36545.48	38808.00	4711.83	o
31	5	4	42572.50	48138.53	26393.90	o	4	6	11	125351.94	127248.99	6270.59	o
33	5	4	452.38	696.76	2586.33	o	6	6	11	192.05	138.91	3750.62	o
35	5	4	23103.58	13390.92	4311.32	o	-28	0	12	11.98	158.75	4266.54	o
-30	6	4	711.17	2381.41	5060.49	o	-26	0	12	187.26	5477.09	4643.62	o
-28	6	4	17842.61	19722.79	4042.12	o	-24	0	12	124010.42	151699.22	7510.06	o
-26	6	4	10746.90	15744.43	3345.71	o	-22	0	12	95.86	-2440.87	4087.96	o
-24	6	4	1070.36	-447.35	1962.92	o	-20	0	12	106.78	992.22	4226.87	o
-22	6	4	49017.07	47769.61	5368.46	o	-18	0	12	268601.09	331886.78	10290.91	o
-20	6	4	4253.54	3984.40	2410.68	o	-16	0	12	57.57	-2341.64	4266.55	o
-18	6	4	342.76	-328.18	1446.88	o	-14	0	12	449.39	2976.73	4385.71	o
-16	6	4	79163.02	79039.01	2807.56	o	-12	0	12	315118.50	345574.81	10688.71	o
-14	6	4	11.28	718.10	1435.14	o	-10	0	12	112.60	1309.74	4524.54	o
-12	6	4	300.53	350.01	1387.59	o	-8	0	12	139.83	-999.81	1916.09	o
-10	6	4	70213.41	71931.29	3250.32	o	-6	0	12	441782.00	418560.47	40495.16	o
-8	6	4	1091.53	1703.09	1244.35	o	-4	0	12	282.79	853.32	1905.09	o
-6	6	4	132.69	73.26	1174.27	o	-2	0	12	169.21	-773.94	1766.17	o
-4	6	4	75607.71	70761.89	2150.50	o	0	0	12	668140.25	667448.94	9615.75	o
-2	6	4	12870.27	11390.72	1352.63	o	2	0	12	194.46	577.01	1852.25	o
0	6	4	183.75	-13.99	1185.78	o	4	0	12	587.30	1351.94	2098.46	o
2	6	4	36692.16	34804.49	1659.46	o	6	0	12	561716.94	579752.44	7820.55	o
4	6	4	26588.18	24357.30	1900.86	o	8	0	12	124.33	-453.88	2231.03	o
6	6	4	146.68	911.84	1248.11	o	10	0	12	53.45	1428.80	2440.86	o
8	6	4	3096.04	3152.77	1329.86	o	12	0	12	498681.59	476471.19	8899.90	o
10	6	4	24626.75	26628.86	3226.80	o	14	0	12	677.90	357.21	2361.57	o
12	6	4	271.09	-601.26	1412.44	o	16	0	12	77.33	-635.02	2639.31	o
14	6	4	25.64	2723.86	1561.46	o	18	0	12	454364.66	426906.03	9132.44	o
16	6	4	27758.04	26436.80	3577.91	o	20	0	12	270.75	1289.90	2798.09	o
18	6	4	342.86	-1070.99	2432.16	o	22	0	12	249.19	1547.88	3016.38	o
20	6	4	11338.44	9560.08	7277.69	o	24	0	12	263911.97	207196.45	7322.99	o
22	6	4	17382.04	21711.07	5363.21	o	-27	1	12	9036.62	13155.60	3278.77	o
28	6	4	6393.46	2858.55	4784.10	o	-25	1	12	29.93	-1138.95	3034.72	o
30	6	4	796.18	-4048.41	4048.41	o	-23	1	12	3.81	-1598.43	3153.48	o
-25	7	4	36566.58	26760.05	4234.69	o	-21	1	12	4990.63	8357.77	3114.36	o
-23	7	4	31321.60	42900.17	7463.60	o	-19	1	12	15.83	-3016.34	3770.43	o
-21	7	4	13.39	1284.46	2323.00	o	-17	1	12	4.21	1845.53	3810.12	o
-19	7	4	41522.23	43091.93	2672.72	o	-15	1	12	5480.99	5002.33	4009.80	o
-17	7	4	28614.06	25715.45	2683.14	o	-13	1	12	29.07	-670.82	1978.37	o
-15	7	4	199.41	-92.78	1880.91	o	-11	1	12	125.00	-867.54	2025.35	o
-13	7	4	44702.00	45327.03	2347.63	o	-9	1	12	2877.79	3761.98	2788.60	o
-11	7	4	29267.40	26924.25	2035.48	o	-7	1	12	26.51	-813.62	2043.97	o
-9	7	4	143.12	-1508.69	1508.69	o	-5	1	12	43.13	436.58	2004.28	o
-7	7	4	57485.23	56906.34	2287.65	o	-3	1	12	5321.56	7275.50	2411.86	o
-5	7	4	29495.13	26076.67	1855.86	o	-1	1	12	0.50	-1444.86	1444.86	o
-3	7	4	13.98	-390.32	1484.36	o	1	1	12	0.74	-412.06	1493.24	o
-1	7	4	66875.90	65258.75	2292.34	o	3	1	12	5930.97	9951.77	1559.18	o
1	7	4	23458.36	22637.56	1701.90	o	5	1	12	16.94	-341.49	1362.36	o
3	7	4	24.71	744.33	2138.20	o	7	1	12	74.38	137.74	1417.50	o
5	7	4	84082.12	78939.56	3406.85	o	9	1	12	7049.40	9230.28	1741.06	o
7	7	4	20252.86	19227.02	3208.59	o	11	1	12	47.45	334.18	1740.42	o
9	7	4	76.33	1247.59	2051.68	o	13	1	12	23.21	1567.86	1782.73	o
11	7	4	82562.34	70348.19	5462.60	o	15	1	12	10607.07	11533.52	2008.18	o
13	7	4	15693.64	18391.93	2860.08	o	17	1	12	2.30	-103.49	1821.39	o
17	7	4	81530.95	85567.38	4624.19	o	19	1	12	40.17	68.46	2017.08	o
19	7	4	14569.22	19970.01	2805.77	o	21	1	12	3954.68	3394.11	3304.79	o
21	7	4	14.17	1170.82	3552.14	o	23	1	12	1.70	-1036.92	2457.99	o
23	7	4	88929.72	96347.21	6558.71	o	25	1	12	17.24	-2314.92	2562.41	o
25	7	4	12824.77	16799.25	5877.75	o	-24	2	12	81242.54	96069.80	5958.28	o
-14	8	4	7125.91	5340.07	3037.29	o	-22	2	12	268.60	2103.53	3750.64	o
-12	8	4	42.16	-294.26	2207.35	o	-20	2	12	35.30	-377.04	3552.15	o
-10	8	4	2251.08	4511.87	2013.89	o	-18	2	12	152739.11	160901.17	5742.34	o
-8	8	4	3016.02	2836.95	1984.30	o	-16	2	12	136.78	-183.58	1910.45	o
-6	8	4	34.60	-204.97	1837.80	o	-14	2	12	170.30	137.09	1842.07	o
-4	8	4	1316.03	2995.53	2343.69	o	-12	2	12	185496.63	173707.70	5193.39	o
-2	8	4	2033.24	3269.99	2466.92	o	-10	2	12	26.75	3135.41	2222.57	o
0	8	4	226.89	1317.34	2397.54	o	-8	2	12	40.99	-754.09	2103.51	o
2	8	4	5041.76	3214.79	2420.40	o	-6	2	12	243329.08	247802.94	6016.98	o
4	8	4	540.37	1083.19	2369.74	o	-4	2	12	342.65	-359.02	1985.32	o
6	8	4	89.75	2389.27	2344.64	o	-2	2	12	153.53	-155.52	1960.76	o
8	8	4	8411.48	7603.52	2548.76	o	0	2	12	340963.19	348212.75	10777.03	o
10	8	4	813.68	527.54	2595.27	o	2	2	12	205.99	780.90	1739.97	o
12	8	4	105.51	-2485.10	2691.36	o	4	2	12	348.53	1037.04	1746.34	o
-43	1	5	7887.35	11732.71	4585.88	o	6	2	12	306499.63	311946.81	4375.46	o
-41	1	5	121943.80	90467.32	6450.54	o	8	2	12	40.40	-753.01	1721.58	o
-37	1	5	8456.53	10383.52	4467.10	o	10	2	12	44.75	901.47	1709.02	o
-33	1	5	208.49	-277.82	4286.43	o	12	2	12	254828.30	247364.80	4857.77	o
-31	1	5	5037.60	2593.58	3305.14	o	14	2	12	336.36	-1008.28	1887.12	o
-29	1	5	305202.88	301997.50	27394.91	o	16	2	12	49.26	1887.41	2097.11	o

-27	1	5	508.12	-188.58	1508.49	o	18	2	12	236181.14	230663.86	6209.95	o
-25	1	5	9809.35	17344.06	3088.00	o	20	2	12	97.50	118.31	2167.20	o
-23	1	5	502410.63	443864.72	44444.34	o	22	2	12	162.99	406.67	2470.18	o
-21	1	5	82.94	65.75	1244.18	o	24	2	12	152797.61	146300.50	8820.03	o
-19	1	5	19238.95	22454.83	5911.08	o	-23	3	12	335.53	238.14	2996.55	o
-17	1	5	620912.63	620747.56	67124.19	o	-21	3	12	56586.61	63417.10	10667.57	o
-15	1	5	71.88	-201.95	752.15	o	-19	3	12	190.32	-1474.70	2265.42	o
-13	1	5	18255.83	20555.77	6386.76	o	-17	3	12	77.78	2638.84	2174.48	o
-11	1	5	530749.81	522876.47	69641.68	o	-15	3	12	41606.79	46252.39	10222.81	o
-9	1	5	66.53	-661.95	661.95	o	-13	3	12	400.39	-234.21	2136.93	o
-7	1	5	51531.39	48827.34	1131.98	o	-11	3	12	253.36	-138.91	2143.22	o
-5	1	5	483314.97	527328.25	9608.74	o	-9	3	12	22288.29	25591.18	2900.86	o
-3	1	5	14.16	-50.08	587.35	o	-7	3	12	113.72	-314.25	2073.33	o
-1	1	5	143261.66	145193.03	21675.32	o	-5	3	12	9.91	2120.16	2788.13	o
1	1	5	407563.16	470092.56	10078.72	o	-3	3	12	4760.76	5152.82	2243.81	o
3	1	5	10.38	269.47	741.65	o	-1	3	12	13.73	1172.36	2032.16	o
5	1	5	169567.47	175225.91	14213.32	o	1	3	12	32.89	263.03	2046.05	o
7	1	5	146608.31	169650.20	7933.33	o	3	3	12	3765.20	3439.26	1973.82	o
9	1	5	183.64	99.53	680.52	o	5	3	12	5.07	-1234.03	1845.73	o
11	1	5	185993.03	185045.14	13387.96	o	7	3	12	178.17	1933.21	1827.58	o
13	1	5	51974.63	65120.90	2430.23	o	9	3	12	10754.07	7565.22	2243.75	o
15	1	5	33.95	298.10	739.03	o	11	3	12	193.06	-1329.59	2202.75	o
17	1	5	217503.95	224237.72	24126.44	o	13	3	12	174.23	-1392.85	2012.70	o
19	1	5	52315.93	56398.53	2731.57	o	15	3	12	19902.99	20469.32	2619.27	o
21	1	5	177.98	126.25	917.61	o	17	3	12	173.35	1745.58	2364.58	o
23	1	5	176751.53	166730.39	22446.93	o	19	3	12	68.02	1389.11	2579.77	o
25	1	5	25343.15	30496.34	1654.32	o	-18	4	12	18251.64	26040.10	3515.71	o
27	1	5	464.12	838.09	1462.22	o	-16	4	12	379.93	635.03	2738.57	o
29	1	5	107241.34	110260.67	22988.19	o	-14	4	12	10.06	377.04	2678.99	o
31	1	5	14179.55	15263.70	2181.41	o	-12	4	12	21103.31	26740.14	3158.75	o
33	1	5	191.44	-368.88	2550.64	o	-10	4	12	218.36	2321.82	2381.35	o
35	1	5	70664.32	23691.73	3646.42	o	-8	4	12	171.09	2289.22	2360.06	o
37	1	5	23039.66	18803.88	6308.71	o	-6	4	12	13296.32	11557.91	5014.28	o
39	1	5	251.29	642.18	1946.15	o	-4	4	12	114.31	-888.90	2207.78	o
41	1	5	44092.13	73027.41	19045.37	o	-2	4	12	49.44	1077.22	2316.46	o
43	1	5	21942.63	21475.63	4867.28	o	0	4	12	9490.12	10454.39	2408.51	o
-40	2	5	17459.59	26019.86	5660.81	o	2	4	12	23.04	-1618.79	2151.25	o
-32	2	5	1264.98	2939.24	3037.56	o	4	4	12	44.72	-252.85	2206.13	o
-30	2	5	548.55	946.74	2328.22	o	6	4	12	12137.59	11864.44	2192.34	o
-28	2	5	58027.21	87772.18	10368.15	o	8	4	12	90.09	-39.69	2341.64	o
-26	2	5	2665.33	6581.14	1531.39	o	10	4	12	226.34	138.91	2321.82	o
-24	2	5	375.44	98.18	1590.67	o	12	4	12	10072.10	9391.35	2600.99	o
-22	2	5	98335.26	127655.44	36012.82	o	14	4	12	24.45	119.07	2599.61	o
-20	2	5	5018.71	6227.08	1390.88	o	20	4	12	102.92	1170.82	5000.80	o
-18	2	5	115.89	2.82	1865.39	o	-5	5	12	21.14	-1785.99	5020.63	o
-16	2	5	122203.96	151427.95	46938.22	o	-3	5	12	55602.84	68459.87	6288.75	o
-14	2	5	11297.00	14758.80	2334.13	o	-1	5	12	107.01	-158.76	4266.56	o
-12	2	5	114.77	720.89	1049.73	o	1	5	12	291.22	198.45	4028.46	o
-10	2	5	101825.42	87714.92	4350.13	o	3	5	12	46542.92	48575.97	4953.08	o
-8	2	5	31385.63	37485.47	1228.88	o	5	5	12	42.84	2440.86	3869.66	o
-6	2	5	63.67	-796.08	878.68	o	-19	1	13	11619.14	9927.15	4775.46	o
-4	2	5	97526.61	97610.54	11761.71	o	-17	1	13	11390.31	13379.35	3348.72	o
-2	2	5	188235.11	200515.56	5330.80	o	-15	1	13	7.59	-2956.81	4127.63	o
0	2	5	240.08	-109.58	812.04	o	-13	1	13	11176.28	8200.69	4427.98	o
2	2	5	66012.84	68969.85	7125.40	o	-11	1	13	7416.66	8314.47	2301.09	o
4	2	5	277843.78	278660.75	2848.65	o	-9	1	13	82.34	-249.06	2122.68	o
6	2	5	141.33	676.62	1126.81	o	-7	1	13	6819.31	6213.65	2441.78	o
8	2	5	11116.66	12525.61	1693.02	o	-5	1	13	6367.92	3652.67	2322.62	o
10	2	5	289448.97	269723.56	3815.68	o	-3	1	13	1.78	1244.14	2083.04	o
12	2	5	40.68	-142.72	682.80	o	-1	1	13	5415.12	7205.12	2255.81	o
14	2	5	4516.32	4228.00	773.52	o	1	1	13	2111.74	381.93	2560.23	o
16	2	5	347748.63	345077.63	8695.93	o	3	1	13	2.91	508.76	1621.29	o
18	2	5	83.92	-382.46	1067.15	o	5	1	13	17833.50	21030.90	1918.24	o
20	2	5	1962.41	1767.39	1125.36	o	7	1	13	2436.94	1222.56	1777.91	o
22	2	5	279902.97	257162.14	12660.70	o	9	1	13	54.24	1312.15	1997.49	o
24	2	5	171.32	271.35	1212.03	o	11	1	13	20154.27	18935.94	2290.88	o
26	2	5	1068.18	1738.80	1371.34	o	13	1	13	3938.27	4953.25	2072.70	o
28	2	5	165279.53	154634.75	7722.52	o	15	1	13	10.68	-190.19	2040.26	o
30	2	5	199.60	-1001.00	1808.69	o	17	1	13	30529.85	24480.42	2564.05	o
32	2	5	510.21	686.16	2091.72	o	19	1	13	4211.29	1969.81	2361.37	o
34	2	5	93292.80	89779.23	7922.15	o	21	1	13	107.95	952.53	4147.49	o
36	2	5	261.47	-1906.11	2160.95	o	-18	2	13	133.42	-1984.45	3929.21	o
38	2	5	290.17	-590.92	2230.74	o	-16	2	13	141937.09	145473.72	40492.89	o
40	2	5	49513.29	43104.70	9311.20	o	-14	2	13	44005.21	47433.77	16439.63	o
-39	3	5	41.22	2024.13	5774.72	o	-12	2	13	98.22	-453.82	2233.63	o
-33	3	5	120.98	914.12	3432.25	o	-10	2	13	142471.16	178292.39	5639.13	o
-31	3	5	10472.82	11074.70	4686.16	o	-8	2	13	49502.16	39517.25	3362.75	o
-29	3	5	46823.73	47446.70	6234.57	o	-6	2	13	172.91	-19.84	2421.03	o
-27	3	5	222.61	1299.30	1844.46	o	-4	2	13	232188.36	267665.84	17263.38	o
-25	3	5	16320.74	20134.40	3645.36	o	-2	2	13	84002.91	66069.23	3787.92	o
-23	3	5	90552.95	74142.94	7238.22	o	0	2	13	189.37	698.72	2069.28	o

-21	3	5	13.84	499.86	1347.19	o	2	2	13	239224.84	257569.63	9067.52	o
-19	3	5	23624.75	31000.87	7862.26	o	6	2	13	157.30	2559.94	2018.90	o
-17	3	5	116261.20	102275.43	15617.82	o	8	2	13	141047.94	154143.69	3997.80	o
-15	3	5	346.98	157.25	1289.93	o	10	2	13	49979.12	46168.80	6606.13	o
-13	3	5	27480.48	27130.15	1989.01	o	12	2	13	60.31	-1720.36	2103.50	o
-11	3	5	86211.97	91927.18	2918.96	o	14	2	13	125262.69	126217.78	4654.36	o
-9	3	5	337.23	242.85	1418.91	o	16	2	13	49732.00	42935.61	3640.97	o
-7	3	5	28616.36	29555.15	3969.42	o	18	2	13	64.91	535.80	4921.42	o
-5	3	5	129170.09	130253.13	5486.95	o	20	2	13	66126.36	62481.41	6710.08	o
-3	3	5	177.23	89.47	986.39	o	-19	3	13	30880.02	40604.86	3895.52	o
-1	3	5	48055.69	43079.54	1519.36	o	-17	3	13	15267.65	8440.39	3038.54	o
1	3	5	136383.72	129463.73	2129.02	o	-15	3	13	100.49	1091.44	2738.53	o
3	3	5	152.65	-388.74	917.74	o	-13	3	13	29785.70	31264.78	8079.20	o
5	3	5	45947.31	44131.14	3613.73	o	-11	3	13	13285.91	12411.36	2819.86	o
7	3	5	80706.29	76515.06	2830.76	o	-9	3	13	19.91	853.31	2678.99	o
9	3	5	118.40	11.36	739.02	o	-7	3	13	30538.45	34408.88	3201.35	o
11	3	5	30326.50	31330.17	4422.63	o	-5	3	13	14723.70	12174.96	3912.41	o
13	3	5	77011.90	76300.36	1437.05	o	-3	3	13	17.41	1785.70	2459.93	o
15	3	5	502.56	358.21	759.52	o	-1	3	13	46237.62	51152.16	3129.62	o
17	3	5	41130.05	46657.41	11793.63	o	1	3	13	16273.72	16767.61	3545.31	o
19	3	5	67213.82	67184.20	3639.68	o	3	3	13	32.04	1510.85	3720.82	o
21	3	5	29.42	-362.68	1116.81	o	5	3	13	41308.16	41615.47	3142.32	o
23	3	5	31858.89	25566.98	6429.33	o	9	3	13	21.09	-297.67	2341.64	o
25	3	5	44822.91	46216.95	1914.08	o	11	3	13	37746.01	38932.04	3499.51	o
27	3	5	255.32	-597.42	1385.13	o	13	3	13	10452.01	6413.20	2759.86	o
29	3	5	16416.80	15371.10	5085.25	o	17	3	13	42692.60	33370.99	7537.31	o
31	3	5	29831.99	31846.49	3260.19	o	-6	4	13	70.63	1825.69	5893.79	o
33	3	5	325.18	1865.40	2619.50	o	-4	4	13	260073.53	290289.25	11622.90	o
35	3	5	15394.75	17657.24	9940.51	o	-2	4	13	97440.94	79978.21	16184.61	o
37	3	5	21648.16	20068.85	9129.00	o	0	4	13	58.39	-1274.00	2520.94	o
39	3	5	107.54	-1634.56	2245.90	o	2	4	13	277723.72	283975.28	9399.42	o
-32	4	5	2635.35	7164.85	4723.64	o	-12	0	14	163.32	2083.67	4822.22	o
-30	4	5	255.54	60.13	2736.90	o	-10	0	14	18609.65	29259.32	5740.63	o
-28	4	5	73416.05	103967.78	16920.35	o	-8	0	14	199713.17	100907.73	7840.80	o
-26	4	5	3142.21	6127.66	1640.32	o	-2	0	14	209522.66	175638.53	10675.16	o
-24	4	5	491.79	-910.07	1720.79	o	0	0	14	217.91	775.77	2690.68	o
-22	4	5	129941.94	166853.13	49286.36	o	2	0	14	73562.27	70027.52	4542.33	o
-20	4	5	11895.83	14965.54	4269.93	o	4	0	14	130130.09	150997.16	4832.35	o
-18	4	5	682.01	77.18	1505.16	o	6	0	14	120.60	1031.91	3135.43	o
-16	4	5	135275.23	125619.95	3966.95	o	8	0	14	70489.02	62284.50	4481.62	o
-14	4	5	30648.22	33612.49	2307.13	o	10	0	14	52833.84	61489.14	4238.57	o
-12	4	5	119.74	-615.18	1468.50	o	12	0	14	59.51	952.53	3095.73	o
-10	4	5	106937.60	95821.84	22019.22	o	14	0	14	83795.11	76790.33	4783.20	o
-8	4	5	48052.91	54654.41	1826.05	o	-11	1	14	355.28	5791.42	3723.01	o
-6	4	5	196.65	521.76	1099.62	o	-9	1	14	0.83	5655.64	5893.77	o
-4	4	5	116794.04	102223.53	5525.91	o	-7	1	14	3815.28	3453.61	2659.68	o
-2	4	5	188424.61	187753.00	3868.40	o	-5	1	14	376.53	-1686.80	2698.89	o
0	4	5	1105.73	1437.29	833.02	o	-3	1	14	15.23	2381.98	2306.01	o
2	4	5	66758.69	59099.16	2417.11	o	-1	1	14	816.75	1124.69	2302.04	o
4	4	5	332173.25	315660.69	5017.54	o	1	1	14	2224.41	4834.83	2345.97	o
6	4	5	133.09	-80.62	934.16	o	3	1	14	10.38	-370.58	2228.95	o
8	4	5	16874.68	18980.32	2552.62	o	5	1	14	179.67	32.55	1813.59	o
10	4	5	303710.47	291949.34	10727.45	o	7	1	14	10586.63	10192.08	2374.57	o
12	4	5	274.47	483.27	942.01	o	9	1	14	1.51	543.16	2350.66	o
14	4	5	10749.70	11708.43	1411.12	o	11	1	14	128.85	204.86	2322.15	o
16	4	5	385466.25	383722.25	10767.51	o	13	1	14	13814.55	10589.53	2416.20	o
18	4	5	355.66	554.95	987.37	o	15	1	14	7.59	-178.60	3611.67	o
20	4	5	4985.65	3929.81	1180.31	o	-12	2	14	100.03	-1150.98	3135.42	o
22	4	5	366881.22	372809.81	8452.93	o	-10	2	14	16209.76	13525.28	3316.77	o
24	4	5	542.89	712.22	1946.43	o	-8	2	14	110515.17	128607.90	5208.98	o
26	4	5	1678.78	940.51	2154.85	o	-6	2	14	84.31	-674.71	2679.00	o
28	4	5	205386.14	225382.47	6807.86	o	-4	2	14	29342.15	27466.97	3239.59	o
30	4	5	103.76	-1786.00	2520.25	o	-2	2	14	113652.68	116826.30	4198.73	o
32	4	5	1375.67	2004.43	2818.11	o	0	2	14	101.50	1220.65	2397.02	o
34	4	5	131091.09	125536.82	47300.45	o	4	2	14	83588.55	83644.74	3620.29	o
36	4	5	411.67	151.38	2414.10	o	6	2	14	176.92	-436.58	2579.79	o
-33	5	5	357.79	4207.08	4981.02	o	10	2	14	46179.93	43283.89	3719.71	o
-31	5	5	11039.50	12052.58	4229.32	o	12	2	14	50.55	-1746.31	4623.74	o
-29	5	5	11987.59	10820.32	2157.58	o	14	2	14	41726.98	44227.00	5747.12	o
-27	5	5	431.63	-375.65	1786.28	o	-3	3	14	24.61	972.37	5735.02	o
-25	5	5	18425.92	21217.45	6672.58	o	-1	3	14	11691.79	7644.64	5659.02	o
-23	5	5	12920.39	16840.48	2551.02	o	1	3	14	33200.96	32182.54	5585.73	o
-21	5	5	207.47	-257.68	1715.88	o	3	3	14	28.46	4226.85	4861.87	o
-19	5	5	25389.50	32063.45	10047.11	o	-3	1	15	244746.86	249423.30	6990.92	o
-17	5	5	6008.14	6392.32	2005.04	o	-1	1	15	472.89	-1686.14	2692.12	o
-15	5	5	168.45	59.07	1190.51	o	1	1	15	287.98	5773.10	2617.55	o
-13	5	5	23581.53	19100.33	2166.43	o	3	1	15	288365.66	292568.19	7911.91	o
-11	5	5	2202.01	3059.18	1253.99	o	5	1	15	158.67	1627.25	3413.26	o