

Description:

DSM2 Mini Calibration including Liberty Island

CHANNEL

CHAN_NO LENGTH MANNING DISPERSION UPNODE DOWNNODE

47	14248	0.026	0.7	42	43
52	8783	0.026	0.07	46	47
53	11276	0.02	0.07	47	464
215	12951	0.027	0.75	223	76
260	2146	0.027	0.75	76	45
274	12940	0.027	0.75	222	223
275	18409	0.027	0.75	223	45
285	4500	0.02	0.07	462	47
286	5374	0.02	0.07	355	462
290	6226	0.019	0.3	464	465
291	4657	0.019	0.3	465	356
300	4759	0.026	0.07	467	46
430	13931	0.018	0.05	350	351
431	13783	0.018	0.05	351	352
432	15812	0.018	0.2	352	353
433	12134	0.018	0.2	352	353
48	9015	0.022	0.07	43	44
49	12948	0.022	0.07	469	45
50	9721	0.022	0.07	45	461
51	11539	0.022	0.07	461	46
83	5450	0.022	0.07	44	469
309	7593	0.033	0.05	240	352
310	8100	0.033	0.05	43	240
365	3940	0.022	0.3	342	255
366	6324	0.028	0.3	343	288
367	4221	0.028	0.3	288	289
368	6610	0.028	0.3	289	290
369	8772	0.028	0.3	290	291
370	7738	0.028	0.3	291	292
371	7766	0.028	0.3	292	293
372	8624	0.028	0.3	293	294
373	9831	0.028	0.3	294	295
374	6080	0.028	0.3	295	271
410	14047	0.028	0.3	330	331
411	18620	0.028	0.3	331	332
412	17340	0.028	0.3	332	333
413	11828	0.028	0.3	333	334
414	24177	0.028	0.3	334	335
415	6300	0.028	0.3	335	336
416	25418	0.028	0.3	336	337
417	6133	0.028	0.3	337	338
418	13562	0.028	0.3	338	339
419	8273	0.028	0.3	339	340
420	14774	0.028	0.3	340	341
421	13209	0.028	0.3	341	342
422	5317	0.028	0.3	342	343
284	6063	0.022	0.07	461	467
700	10000	0.033	0.3	700	330
701	10000	0.033	0.3	701	700
703	10000	0.033	0.3	703	702
702	10000	0.033	0.3	702	701
45	12421	0.026	0.7	40	41

46	11780	0.026	0.7	41	42
434	20141	0.018	0.5	353	354
435	10827	0.019	0.5	354	355
436	7094	0.019	0.3	355	464
439	10200	0.022	1.3	358	359
440	14800	0.022	1.3	359	360
452	9000	0.022	1.3	358	359

END

XSECT_LAYER

CHAN_NO	DIST	ELEV	AREA	WIDTH	WET_PERIM
48	0.678	-37.549	0.0	0.0	0.0
48	0.678	-37.259	3.9	27.2	27.3
48	0.678	-36.819	61.4	238.9	238.9
48	0.678	-35.379	578.4	478.6	478.8
48	0.678	-30.339	3289.0	596.3	597.1
48	0.678	-27.889	4935.5	748.0	749.4
48	0.678	-24.429	7658.6	826.8	828.6
48	0.678	-19.529	12345.9	1086.7	1089.1
48	0.678	-15.929	16802.8	1387.8	1390.6
48	0.678	-15.359	17668.3	1615.3	1618.2
48	0.678	-4.259	37806.2	2014.6	2020.5
48	0.678	0.97	49128.0	2302.5	2309.7
48	0.678	10.14	70843.0	2436.5	2446.4
48	0.678	12.56	76778.7	2467.4	2477.4
372	0.721	-24.849	0.0	0.0	0.0
372	0.721	-18.339	382.1	117.4	119.2
372	0.721	-1.029	3066.0	192.7	202.3
372	0.721	0.14	3299.9	205.4	215.4
372	0.721	4.3	4299.2	274.5	284.9
372	0.721	5.48	4630.9	290.3	300.9
372	0.721	10.17	6112.8	340.6	352.0
372	0.721	13.16	7173.6	369.1	381.2
372	0.721	17.97	8993.6	388.5	401.2
414	0.28092	-26.659	0.0	0.0	0.0
414	0.28092	-24.029	108.0	82.0	82.2
414	0.28092	-22.789	217.1	93.9	94.5
414	0.28092	-22.629	245.7	274.2	274.8
414	0.28092	-17.199	1948.3	353.3	355.4
414	0.28092	-4.799	6617.6	399.6	408.0
414	0.28092	1.86	9458.2	452.5	463.2
414	0.28092	15.81	16210.4	515.2	532.0
414	0.28092	19.22	18015.7	543.3	561.1
414	0.28092	29.92	24149.6	603.3	624.8
414	0.28092	30.25	24350.1	604.2	625.8
419	0.444	-23.829	0.0	0.0	0.0
419	0.444	-21.649	34.9	32.0	32.8
419	0.444	-20.249	244.8	269.5	270.9
419	0.444	-19.779	397.7	369.1	370.7
419	0.444	-19.159	640.1	423.5	425.3
419	0.444	-14.769	2641.8	488.5	491.9
419	0.444	-6.559	6825.3	529.4	536.6
419	0.444	-4.719	7801.1	534.9	543.2
419	0.444	8.88	15511.6	597.6	611.9

419	0.444	13.45	18350.3	645.6	661.0
419	0.444	14.9	19291.9	656.6	672.1
284	0.043	-41.749	0.0	0.0	0.0
284	0.043	-40.899	109.0	256.5	256.5
284	0.043	-40.139	346.4	368.1	368.1
284	0.043	-35.179	2679.6	572.6	572.9
284	0.043	-31.369	5100.4	698.0	698.5
284	0.043	-25.369	9976.5	927.3	928.2
284	0.043	-24.609	10690.5	951.7	952.7
284	0.043	-11.089	24099.8	1031.9	1038.1
284	0.043	-2.229	33364.5	1059.4	1070.9
284	0.043	-1.559	34074.7	1060.5	1072.2
702	0.625	-6.02	0.0	0.0	0.0
702	0.625	-3.97	25.3	24.7	25.0
702	0.625	-2.05	374.8	338.7	339.4
702	0.625	-1.41	626.3	445.9	446.9
702	0.625	0.0	1304.2	515.4	517.1
702	0.625	20.25	13166.6	655.7	663.4
702	0.625	23.58	15668.8	845.6	853.7
702	0.625	24.1	16106.9	862.6	870.9
702	0.625	28.33	19822.0	893.5	903.1
702	0.625	38.71	30012.5	1069.0	1080.1
702	0.625	39.61	30975.6	1079.6	1090.7
47	0.651	-57.059	0.0	0.0	0.0
47	0.651	-55.669	74.1	107.1	107.3
47	0.651	-54.119	278.1	155.0	155.3
47	0.651	-52.039	711.9	263.1	264.0
47	0.651	-51.869	757.9	269.3	270.2
47	0.651	-49.619	1483.1	375.8	377.8
47	0.651	-46.509	2782.0	458.8	461.8
47	0.651	-44.259	3925.2	558.3	562.0
47	0.651	-34.229	9931.7	639.5	645.6
47	0.651	-31.119	11950.1	657.4	664.7
47	0.651	-28.699	13582.6	691.3	699.0
47	0.651	-23.859	17055.8	743.4	753.8
47	0.651	-16.939	22701.8	889.2	903.3
47	0.651	-16.419	23175.2	935.9	950.4
47	0.651	-15.379	24223.6	1085.1	1100.2
47	0.651	-15.209	24432.3	1329.2	1344.4
47	0.651	-12.619	28082.4	1485.3	1502.0
47	0.651	-8.119	35070.9	1623.6	1642.7
47	0.651	5.1	58984.2	1991.9	2018.1
47	0.651	17.69	84128.2	2001.1	2033.6
52	0.682	-64.459	0.0	0.0	0.0
52	0.682	-63.609	153.5	360.7	360.9
52	0.682	-13.969	48507.3	1587.2	1598.6
52	0.682	16.66	99691.2	1753.9	1776.4
52	0.682	18.65	103180.3	1760.0	1782.8
53	0.008	-36.279	0.0	0.0	0.0
53	0.008	-31.839	173.5	78.2	78.7
53	0.008	-29.259	965.7	533.8	534.7
53	0.008	-28.369	1506.7	689.2	690.2
53	0.008	-24.569	5007.9	1152.7	1154.3
53	0.008	-24.029	5644.8	1214.6	1216.3
53	0.008	-18.239	13472.8	1490.7	1495.6
53	0.008	-17.509	14649.6	1696.7	1701.9

53	0.008	-0.119	45037.4	1798.6	1811.7
53	0.008	0.0	45258.9	1799.2	1812.3
53	0.332	-24.929	0.0	0.0	0.0
53	0.332	-23.689	417.9	673.3	673.3
53	0.332	-22.519	1311.9	846.3	846.4
53	0.332	-12.629	13998.0	1720.4	1720.7
53	0.332	-6.969	24821.1	2104.4	2105.5
53	0.332	-6.459	25943.1	2257.2	2258.2
53	0.332	2.28	45939.8	2315.5	2319.3
53	0.332	2.66	46833.6	2317.2	2321.0
53	0.687	-24.429	0.0	0.0	0.0
53	0.687	-24.259	1.1	13.8	13.9
53	0.687	-22.499	671.9	744.9	746.2
53	0.687	-18.629	4995.3	1491.7	1495.6
53	0.687	-8.459	23607.7	2168.2	2178.8
53	0.687	-6.869	27352.5	2556.0	2567.6
53	0.687	0.34	45868.2	2573.3	2591.4
53	0.687	1.31	48379.7	2575.2	2593.6
290	0.189	-66.449	0.0	0.0	0.0
290	0.189	-63.039	753.5	442.7	442.8
290	0.189	-52.549	6899.0	728.2	729.3
290	0.189	-49.729	8995.7	757.8	759.5
290	0.189	-49.139	9462.7	845.4	847.1
290	0.189	-44.129	15766.3	1670.4	1674.1
290	0.189	-38.619	25455.8	1841.9	1847.8
290	0.189	-36.889	28664.7	1880.3	1887.1
290	0.189	-31.839	39279.4	2321.3	2331.2
290	0.189	-25.999	54617.0	2927.6	2942.3
290	0.189	-10.849	102685.4	3418.4	3445.1
290	0.189	-3.789	127188.0	3524.7	3555.6
290	0.189	16.38	199355.7	3629.0	3667.5
290	0.189	19.21	209661.2	3636.3	3675.3
430	0.664	-33.749	0.0	0.0	0.0
430	0.664	-33.689	8.4	249.6	249.6
430	0.664	-28.709	1838.1	485.7	485.9
430	0.664	-25.469	3789.7	718.9	719.7
430	0.664	-24.579	4479.2	823.8	824.8
430	0.664	-20.979	8524.4	1422.8	1424.4
430	0.664	-20.669	8969.5	1452.0	1453.8
430	0.664	-19.209	11231.3	1662.3	1664.4
430	0.664	-17.119	15252.4	2171.1	2173.8
430	0.664	-16.419	16820.7	2339.0	2341.8
430	0.664	4.59	67491.6	2481.3	2490.5
430	0.664	5.02	68556.5	2483.1	2492.3
430	0.887	-44.279	0.0	0.0	0.0
430	0.887	-38.369	806.2	272.8	273.0
430	0.887	-23.899	8243.4	755.1	756.9
430	0.887	-17.299	15025.8	1300.8	1305.6
430	0.887	-14.229	20491.3	2259.9	2266.0
430	0.887	22.39	104559.1	2330.5	2367.8
430	0.887	24.12	108601.0	2332.1	2370.1
433	0.235	-59.859	0.0	0.0	0.0
433	0.235	-33.539	3259.5	247.7	254.3
433	0.235	-33.129	3407.0	458.4	465.1
433	0.235	-28.529	5966.6	655.8	663.9
433	0.235	-26.779	7472.3	1062.4	1070.9

433	0.235	-26.579	7682.6	1079.3	1087.9
433	0.235	-20.319	16223.2	1647.3	1657.4
433	0.235	-19.619	17404.3	1746.3	1756.6
433	0.235	-16.839	23205.8	2421.0	2432.0
433	0.235	-15.449	26589.7	2440.4	2451.7
433	0.235	-0.549	65959.1	2845.5	2859.7
433	0.235	-0.129	67170.3	2846.7	2860.9
435	0.101	-39.189	0.0	0.0	0.0
435	0.101	-38.779	111.8	548.1	548.1
435	0.101	-31.199	7072.0	1287.9	1288.1
435	0.101	-31.109	7190.5	1314.6	1314.7
435	0.101	-27.749	13113.0	2215.5	2216.2
435	0.101	-19.289	34430.9	2824.4	2826.5
435	0.101	0.6	93408.2	3104.2	3110.2
435	0.101	6.55	112080.0	3168.8	3175.1
439	0.404	-48.299	0.0	0.0	0.0
439	0.404	-35.489	2256.1	352.3	353.6
439	0.404	-26.769	6106.4	530.3	532.6
439	0.404	-20.639	12634.8	1601.2	1604.2
439	0.404	-19.159	15260.9	1935.9	1939.1
439	0.404	-15.999	22612.0	2723.3	2726.6
439	0.404	-15.819	23152.1	3096.6	3100.0
439	0.404	-8.949	45454.7	3398.1	3401.8
439	0.404	-4.869	60333.7	3889.1	3893.0
439	0.404	-4.309	62634.4	4374.4	4378.3
439	0.404	-3.569	65887.0	4387.0	4391.1
439	0.404	1.44	87968.9	4415.2	4421.1
439	0.404	6.82	111739.1	4425.9	4433.1
49	0.947	-44.239	0.0	0.0	0.0
49	0.947	-37.609	1303.1	393.2	393.7
49	0.947	-27.499	9596.9	1246.4	1249.0
49	0.947	-6.389	48113.7	2403.6	2410.6
49	0.947	0.13	65855.2	3029.8	3037.8
49	0.947	0.23	66150.8	3038.6	3046.7
49	0.947	2.32	72657.9	3179.2	3187.3
51	0.838	-41.719	0.0	0.0	0.0
51	0.838	-34.759	2789.7	801.7	801.9
51	0.838	-5.979	35101.6	1443.9	1450.0
51	0.838	0.03	44783.6	1773.3	1781.4
51	0.838	0.4	45451.2	1776.4	1784.6
51	0.838	0.43	45499.7	1776.6	1784.7
309	0.193	-29.439	0.0	0.0	0.0
309	0.193	-25.829	268.6	148.8	148.9
309	0.193	-21.109	1228.2	257.5	259.2
309	0.193	-18.189	2106.1	344.4	346.9
309	0.193	-9.999	5450.7	471.8	477.0
309	0.193	-2.359	9265.8	527.0	535.0
309	0.193	14.89	19213.1	626.1	641.1
309	0.193	18.61	21553.7	632.1	648.2
309	0.439	-24.189	0.0	0.0	0.0
309	0.439	-23.699	15.2	62.9	62.9
309	0.439	-22.739	102.4	117.4	117.4
309	0.439	-21.769	240.7	168.3	168.4
309	0.439	-21.119	354.7	185.1	185.3
309	0.439	-20.479	490.8	236.6	236.9
309	0.439	-20.319	529.6	244.4	244.7

309	0.439	-19.999	610.7	258.1	258.5
309	0.439	-19.189	842.9	317.8	318.5
309	0.439	-18.869	947.7	332.0	332.8
309	0.439	-18.379	1110.7	341.7	342.6
309	0.439	-16.929	1650.8	402.3	403.6
309	0.439	-16.609	1781.3	406.6	408.0
309	0.439	-15.639	2189.8	437.5	439.3
309	0.439	-14.349	2799.4	507.4	509.7
309	0.439	-12.409	3792.5	518.8	521.7
309	0.439	-6.609	6888.4	547.5	552.7
309	0.439	-2.899	8945.2	561.3	568.4
309	0.439	0.16	10713.0	592.4	600.6
309	0.439	10.96	17344.9	634.9	648.6
309	0.439	18.64	22262.0	646.2	662.3
365	0.513	-17.319	0.0	0.0	0.0
365	0.513	-16.709	7.7	25.8	25.8
365	0.513	-16.519	14.7	44.5	44.6
365	0.513	-16.369	26.9	128.7	128.7
365	0.513	-15.979	84.1	157.3	157.4
365	0.513	-15.379	181.3	166.9	167.1
365	0.513	-14.579	318.9	177.0	177.4
365	0.513	-7.519	1816.2	247.0	249.0
365	0.513	-0.249	3851.3	312.9	316.6
365	0.513	2.63	4823.9	361.7	365.8
365	0.513	10.84	8218.7	464.5	469.9
365	0.513	11.85	8690.8	471.3	476.7
414	0.61052	-16.839	0.0	0.0	0.0
414	0.61052	-15.399	347.1	480.6	480.9
414	0.61052	27.78	26918.1	749.6	763.6
414	0.61052	30.94	29297.6	760.7	775.1
414	0.91722	-26.819	0.0	0.0	0.0
414	0.91722	-23.869	259.1	175.9	176.4
414	0.91722	-17.199	1955.8	333.0	334.6
414	0.91722	-0.619	8305.4	432.5	439.5
414	0.91722	4.96	10787.0	456.7	466.3
414	0.91722	30.4	23461.2	539.7	563.7
414	0.91722	31.0	23789.5	540.7	564.9
419	0.959	-24.449	0.0	0.0	0.0
419	0.959	-23.119	72.5	109.0	109.1
419	0.959	-17.779	1325.1	360.1	361.0
419	0.959	-9.639	4467.3	412.6	416.1
419	0.959	0.3	8801.7	458.6	466.2
419	0.959	24.27	21400.4	592.6	608.8
419	0.959	24.87	21758.3	594.6	610.9
418	0.12745	-38.54	0.0	0.0	0.0
418	0.12745	-33.97	170.6	74.6	76.0
418	0.12745	-32.29	355.4	146.4	148.2
418	0.12745	-29.46	798.5	166.2	169.0
418	0.12745	-28.47	965.4	172.0	175.4
418	0.12745	-21.07	2691.8	294.3	302.0
418	0.12745	-17.25	3991.5	385.9	395.6
418	0.12745	18.56	20103.4	513.6	548.5
418	0.12745	19.04	20349.1	515.0	549.9
700	0.125	2.68	6667.3	577.2	580.4
700	0.125	22.06	19221.1	718.1	726.6
700	0.125	31.95	27706.0	996.5	1006.4

700	0.125	41.64	37545.8	1034.2	1045.4
700	0.125	-18.35	0.0	0.0	0.0
700	0.125	-17.31	75.9	147.4	147.4
700	0.125	-3.5	3710.5	378.7	381.1
703	0.875	-23.33	0.0	26.3	26.3
703	0.875	-22.54	28.6	46.7	46.8
703	0.875	-17.84	357.8	93.2	94.3
703	0.875	-14.5	744.0	138.4	140.1
703	0.875	-10.98	1293.3	172.7	175.2
703	0.875	-7.45	2031.2	245.3	248.4
703	0.875	-1.56	3804.5	357.5	362.2
703	0.875	1.37	5026.6	473.4	478.8
703	0.875	2.35	5496.4	485.0	490.8
703	0.875	28.23	19208.3	574.4	594.2
703	0.875	28.43	19331.5	682.7	702.5
703	0.875	32.54	22292.8	755.6	776.7
703	0.875	39.41	27735.4	830.4	854.0
703	0.875	39.6	27898.3	830.7	854.3
47	0.132	-47.099	0.0	0.0	0.0
47	0.132	-46.809	1.6	11.6	11.6
47	0.132	-41.439	1043.1	376.7	377.4
47	0.132	-39.709	1754.4	441.2	442.0
47	0.132	-37.969	2723.1	672.7	673.7
47	0.132	-36.369	3839.1	727.3	728.5
47	0.132	-32.799	6524.5	777.9	779.6
47	0.132	-27.679	10851.5	909.7	913.0
47	0.132	-27.069	11424.6	992.9	996.5
47	0.132	-24.309	14675.6	1355.7	1361.1
47	0.132	-19.209	22695.1	1791.0	1799.7
47	0.132	-16.889	26977.8	1905.7	1915.6
47	0.132	-15.169	30333.3	1986.6	1997.4
47	0.132	-7.929	47227.0	2679.2	2694.1
47	0.132	-6.549	50958.0	2730.7	2746.3
47	0.132	-5.499	53819.4	2739.7	2755.8
47	0.132	0.0	68922.5	2746.6	2764.6
215	0.524	-4.879	0.0	0.0	0.0
215	0.524	-4.839	93.2	5344.6	5344.6
215	0.524	-0.049	27525.4	6093.7	6093.8
215	0.524	-0.029	27631.7	6094.2	6094.3
274	0.93	-14.379	0.0	0.0	0.0
274	0.93	-12.249	137.0	128.1	128.2
274	0.93	-11.119	335.3	224.3	224.4
274	0.93	-10.229	560.3	282.5	282.9
274	0.93	10.08	6722.3	323.7	341.3
274	0.93	10.17	6751.2	323.8	341.4
431	0.454	-34.579	0.0	0.0	0.0
431	0.454	-32.909	261.9	314.3	314.3
431	0.454	-26.379	3082.0	549.7	550.2
431	0.454	-23.609	5016.4	843.0	843.6
431	0.454	-21.519	7026.9	1087.0	1087.6
431	0.454	-15.549	15309.0	1686.4	1687.2
431	0.454	-15.409	15544.5	1704.3	1705.0
431	0.454	-9.019	28461.3	2339.2	2341.2
431	0.454	-4.999	38916.0	2852.0	2854.8
431	0.454	3.62	64012.4	2967.7	2972.0
431	0.454	4.02	65210.1	2971.4	2975.7

433	0.492	-34.119	0.0	0.0	0.0
433	0.492	-33.279	91.0	216.8	216.8
433	0.492	-31.529	546.9	304.1	304.2
433	0.492	-26.419	2562.7	484.8	485.1
433	0.492	-25.349	3106.3	531.1	531.6
433	0.492	-24.349	3668.0	597.2	597.7
433	0.492	-22.879	5309.3	1629.0	1629.5
433	0.492	-22.759	5507.6	1675.1	1675.6
433	0.492	-21.769	7190.4	1724.4	1725.0
433	0.492	-20.399	9586.1	1772.9	1773.6
433	0.492	-19.099	12063.8	2047.2	2048.0
433	0.492	-17.889	14558.2	2097.8	2098.6
433	0.492	-17.659	15089.9	2345.5	2346.3
433	0.492	-16.359	18295.0	2614.3	2615.3
433	0.492	-14.829	22361.1	2694.7	2695.7
433	0.492	-9.659	36623.8	2816.4	2817.9
433	0.492	0.82	68089.6	3188.4	3190.7
433	0.492	1.45	70099.9	3193.6	3195.9
368	0.506	-18.429	0.0	0.0	0.0
368	0.506	-18.039	4.6	24.5	24.5
368	0.506	-13.069	353.5	115.7	116.8
368	0.506	-9.629	785.4	135.1	137.3
368	0.506	0.78	2390.8	172.9	181.7
368	0.506	2.12	2628.5	182.2	191.7
368	0.506	15.69	6041.4	320.5	332.7
368	0.506	16.42	6275.1	324.9	337.2
410	0.284	-16.539	0.0	0.0	0.0
410	0.284	-14.089	126.4	102.9	103.1
410	0.284	-12.459	396.3	229.0	229.7
410	0.284	-12.249	454.3	316.3	317.0
410	0.284	-11.719	664.5	484.4	485.2
410	0.284	3.58	9193.2	629.2	633.3
410	0.284	6.65	11157.2	652.4	657.5
410	0.284	35.96	32972.8	836.0	851.1
410	0.284	37.13	33950.4	840.8	856.1
414	0.76779	-34.819	0.0	0.0	0.0
414	0.76779	-16.189	2874.7	308.6	313.7
414	0.76779	-11.679	4343.1	342.1	348.8
414	0.76779	-4.459	7028.6	402.1	410.6
414	0.76779	30.19	23925.6	572.8	595.1
414	0.76779	31.77	24830.8	576.1	598.8
415	0.64887	-33.929	0.0	0.0	0.0
415	0.64887	-32.789	9.0	15.9	16.0
415	0.64887	-31.499	38.1	29.1	29.5
415	0.64887	-27.449	320.2	110.1	111.1
415	0.64887	-25.019	641.4	154.1	155.7
415	0.64887	-20.649	1532.2	253.4	255.9
415	0.64887	-17.899	2306.3	309.5	312.6
415	0.64887	-16.439	2769.7	325.3	328.7
415	0.64887	-14.979	3256.0	340.7	344.6
415	0.64887	-3.969	7358.6	404.4	412.1
415	0.64887	4.07	10818.4	455.1	465.5
415	0.64887	32.57	25388.9	567.5	591.8
415	0.64887	35.12	26847.6	573.4	598.2
418	0.98424	-26.889	0.0	0.0	0.0
418	0.98424	-24.109	82.7	59.4	59.9

418	0.98424	-20.679	713.3	309.3	310.4
418	0.98424	-19.989	968.5	420.2	421.5
418	0.98424	-13.439	3894.3	473.1	476.2
418	0.98424	23.9	25559.1	686.9	702.6
418	0.98424	28.96	29070.9	701.7	718.3
419	0.032	-24.409	0.0	0.0	0.0
419	0.032	-20.209	193.1	92.1	92.7
419	0.032	-20.039	210.2	102.7	103.3
419	0.032	-17.049	976.1	409.0	410.4
419	0.032	-14.259	2150.2	433.0	435.0
419	0.032	-0.319	8811.2	522.5	528.9
419	0.032	23.05	22498.8	648.4	663.3
419	0.032	29.49	26730.8	666.9	682.9
420	0.543	-28.049	0.0	0.0	0.0
420	0.543	-27.249	8.2	20.5	20.7
420	0.543	-25.779	81.4	79.1	79.7
420	0.543	-25.119	162.1	165.3	166.1
420	0.543	-25.109	163.9	195.1	195.9
420	0.543	-19.369	1410.8	240.0	242.6
420	0.543	-2.859	5891.4	302.4	313.2
420	0.543	1.76	7380.8	341.3	353.6
420	0.543	2.71	7705.7	344.1	357.0
420	0.543	20.15	14189.9	399.4	423.3
420	0.543	23.01	15344.3	405.6	430.2
416	0.89035	-27.249	0.0	0.0	0.0
416	0.89035	-27.119	0.3	5.2	5.2
416	0.89035	-24.179	133.2	85.1	85.3
416	0.89035	-24.169	134.3	151.8	152.0
416	0.89035	-22.319	473.0	214.3	214.7
416	0.89035	-20.449	919.3	262.9	263.7
416	0.89035	-19.519	1203.6	348.5	349.5
416	0.89035	-19.369	1258.8	440.5	441.6
416	0.89035	-16.449	2569.2	453.9	456.3
416	0.89035	23.71	24726.8	649.1	667.4
416	0.89035	27.04	26900.2	657.7	676.6
417	0.64922	-24.54	0.0	0.0	0.0
417	0.64922	-22.29	19.3	17.1	17.7
417	0.64922	-21.45	40.4	33.0	34.1
417	0.64922	-19.21	305.5	204.1	206.4
417	0.64922	-18.63	451.1	296.3	298.9
417	0.64922	-17.81	760.4	459.2	462.2
417	0.64922	-16.83	1245.2	525.8	529.3
417	0.64922	19.43	23194.1	684.3	703.9
417	0.64922	19.85	23481.9	685.4	705.0
700	0.375	-18.12	0.0	0.0	0.0
700	0.375	-13.76	508.0	232.8	233.0
700	0.375	-10.33	1508.2	350.6	351.8
700	0.375	23.16	15649.5	493.4	510.3
700	0.375	23.94	16056.6	551.3	568.5
700	0.375	37.98	24180.7	605.7	629.9
700	0.375	39.22	24928.3	608.6	633.0
702	0.375	-7.19	0.0	0.0	0.0
702	0.375	-6.95	11.2	92.3	92.3
702	0.375	-6.7	67.8	372.0	372.1
702	0.375	23.65	15575.2	649.2	655.9
702	0.375	24.75	16301.4	673.9	680.8

702	0.375	28.78	19079.8	706.7	714.5
702	0.375	30.73	20525.8	775.4	783.5
702	0.375	38.78	27117.7	862.5	872.3
702	0.375	39.14	27432.0	865.2	875.0
702	0.875	-9.02	0.0	0.0	0.0
702	0.875	-8.29	50.1	137.0	137.0
702	0.875	-1.82	1917.8	440.8	441.5
702	0.875	0.97	3188.5	465.2	466.5
702	0.875	20.6	14908.6	728.6	733.8
702	0.875	20.85	15086.4	729.4	734.6
702	0.875	21.58	15633.2	765.3	770.7
702	0.875	23.65	17236.4	781.3	786.8
702	0.875	25.24	18548.6	874.0	879.6
702	0.875	38.41	30402.0	926.3	933.5
45	0.307	-40.139	0.0	0.0	0.0
45	0.307	-38.579	139.7	179.5	179.6
45	0.307	-37.199	416.3	220.3	220.4
45	0.307	-35.819	972.7	584.1	584.4
45	0.307	-30.969	4242.7	766.6	767.2
45	0.307	-29.589	5459.7	992.8	993.6
45	0.307	-29.249	5807.7	1020.0	1020.8
45	0.307	-27.719	7449.3	1129.5	1130.6
45	0.307	-26.649	8697.3	1211.2	1212.9
45	0.307	-25.789	9753.9	1233.2	1235.3
45	0.307	-19.039	18526.6	1368.5	1374.4
45	0.307	-15.409	23724.5	1494.3	1502.7
45	0.307	-14.719	24821.1	1676.6	1685.4
45	0.307	-13.509	27005.8	1933.2	1942.9
45	0.307	-11.949	30144.1	2099.9	2110.7
45	0.307	-11.779	30509.0	2120.7	2131.6
45	0.307	-6.769	41923.3	2431.8	2445.9
45	0.307	-4.349	48103.6	2674.1	2689.6
45	0.307	2.54	66937.0	2785.9	2805.4
45	0.307	11.93	93539.6	2883.8	2907.9
45	0.307	28.27	141789.6	3020.0	3048.5
45	0.307	29.48	145574.5	3251.9	3280.6
45	0.518	-42.719	0.0	0.0	0.0
45	0.518	-42.709	0.0	0.3	0.3
45	0.518	-40.679	359.8	355.4	355.6
45	0.518	-33.139	4510.2	745.4	747.3
45	0.518	-27.999	8588.3	838.4	841.0
45	0.518	-22.659	13967.5	1178.7	1182.4
45	0.518	-18.619	19759.3	1684.2	1688.8
45	0.518	-17.139	22292.4	1759.1	1764.1
45	0.518	-14.939	26473.1	2029.5	2035.0
45	0.518	-12.729	30988.4	2062.4	2068.2
45	0.518	-0.039	59971.2	2505.4	2514.5
45	0.518	4.72	72140.0	2591.5	2601.2
45	0.518	7.31	78864.6	2618.1	2627.9
46	0.724	-69.939	0.0	0.0	0.0
46	0.724	-66.479	188.1	108.8	109.1
46	0.724	-58.529	1480.4	216.1	217.6
46	0.724	-58.179	1558.1	233.0	234.5
46	0.724	-53.679	3078.0	443.1	445.1
46	0.724	-52.649	3548.6	464.0	466.1
46	0.724	-52.299	3717.7	514.0	516.1

46	0.724	-44.349	8545.7	699.9	702.8
46	0.724	-41.579	10587.1	775.8	778.9
46	0.724	-38.469	13399.6	1031.3	1034.6
46	0.724	-35.359	16951.4	1251.0	1254.4
46	0.724	-28.779	25474.6	1343.3	1347.7
46	0.724	-27.749	26872.7	1351.9	1356.6
46	0.724	-9.069	55134.4	1674.8	1690.6
46	0.724	-8.729	55714.5	1680.0	1696.0
46	0.724	0.21	71622.7	1876.2	1897.5
46	0.724	3.71	78319.3	1946.9	1969.4
46	0.724	15.47	101464.0	1989.9	2013.9
53	0.44	-27.949	0.0	0.0	0.0
53	0.44	-23.459	275.5	122.8	123.3
53	0.44	-22.289	951.2	1031.4	1032.1
53	0.44	-8.239	21485.4	1891.8	1894.1
53	0.44	-7.169	23858.7	2531.1	2533.6
53	0.44	0.06	42316.7	2569.3	2576.4
53	0.44	0.92	44526.2	2569.8	2577.4
53	0.811	-26.559	0.0	0.0	0.0
53	0.811	-23.059	1653.5	943.8	943.9
53	0.811	-21.799	2974.9	1144.9	1145.1
53	0.811	-13.619	14405.1	1651.3	1652.6
53	0.811	-6.809	26824.2	1994.5	1996.6
53	0.811	-5.149	30580.5	2546.0	2548.4
53	0.811	-0.189	43303.0	2580.3	2584.1
53	0.811	-0.089	43554.2	2580.6	2584.4
215	0.838	-6.169	0.0	0.0	0.0
215	0.838	-6.059	153.4	2932.8	2932.8
215	0.838	0.02	18563.9	3109.2	3109.7
215	0.838	0.1	18813.7	3109.9	3110.4
286	0.39	-36.939	0.0	0.0	0.0
286	0.39	-19.929	3778.8	444.4	445.7
286	0.39	-17.729	4836.1	517.4	518.8
286	0.39	-5.929	14039.9	1042.4	1044.4
286	0.39	-4.349	16069.1	1523.6	1525.6
286	0.39	-0.089	22746.7	1612.9	1615.0
300	0.847	-39.399	0.0	0.0	0.0
300	0.847	-26.769	4931.4	781.3	781.8
300	0.847	-19.289	11368.0	939.5	941.5
300	0.847	-0.899	29221.2	1002.1	1017.0
300	0.847	-0.069	30059.3	1002.6	1018.0
430	0.206	-43.749	0.0	0.0	0.0
430	0.206	-43.519	98.4	835.9	835.9
430	0.206	-25.059	18983.3	1210.7	1215.1
430	0.206	-22.979	21529.4	1231.0	1236.0
430	0.206	-13.519	34092.6	1424.9	1430.9
430	0.206	-3.749	48455.6	1516.8	1525.8
430	0.206	2.88	60078.0	1985.1	1995.8
430	0.206	4.45	63217.7	2009.2	2020.4
430	0.206	11.26	77216.3	2100.5	2112.0
431	0.051	-38.139	0.0	0.0	0.0
431	0.051	-34.309	460.3	240.4	240.6
431	0.051	-32.449	1184.8	540.2	540.5
431	0.051	-26.539	5037.8	762.2	762.9
431	0.051	-19.459	11138.2	961.8	964.1
431	0.051	-19.229	11364.2	985.4	987.7

431	0.051	-16.209	15631.9	1844.4	1847.4
431	0.051	-10.879	26499.4	2228.5	2232.6
431	0.051	6.28	67047.5	2496.8	2505.2
431	0.051	9.3	74608.4	2503.8	2512.8
434	0.13	-37.579	0.0	0.0	0.0
434	0.13	-32.119	2886.7	1057.4	1057.5
434	0.13	-30.969	4366.4	1517.2	1517.3
434	0.13	-29.249	7407.9	2010.8	2011.0
434	0.13	-24.649	17246.7	2268.9	2269.5
434	0.13	0.68	83833.9	2985.5	2988.1
434	0.13	1.03	84864.6	2992.2	2994.8
440	0.674	-53.479	0.0	0.0	0.0
440	0.674	-47.529	1010.4	339.4	339.8
440	0.674	-38.789	4942.9	560.0	561.1
440	0.674	-38.039	5392.1	647.1	648.2
440	0.674	-27.249	18341.7	1752.9	1759.7
440	0.674	-23.119	25843.9	1875.4	1884.5
440	0.674	-17.019	39251.6	2522.4	2531.6
440	0.674	-15.169	44147.8	2782.3	2791.7
440	0.674	-11.809	53945.4	3043.7	3053.7
440	0.674	1.03	94626.3	3286.4	3298.2
440	0.674	2.51	99471.4	3293.5	3305.4
83	0.118	-45.109	0.0	0.0	0.0
83	0.118	-43.909	173.4	289.0	289.0
83	0.118	-41.939	931.2	480.3	480.3
83	0.118	-39.359	2388.1	649.0	649.2
83	0.118	-35.249	5427.8	830.1	830.4
83	0.118	-30.879	9307.1	945.2	945.9
83	0.118	-25.219	15074.7	1092.7	1093.9
83	0.118	-18.019	23517.2	1252.3	1254.4
83	0.118	-17.849	23730.6	1257.0	1259.1
83	0.118	-17.249	24529.6	1406.3	1408.4
83	0.118	-10.559	35702.0	1933.7	1936.9
83	0.118	-10.479	35858.0	1966.4	1969.6
83	0.118	-9.959	36934.4	2173.4	2176.7
83	0.118	-2.419	53638.7	2257.4	2262.0
83	0.118	-2.329	53819.3	2257.8	2262.5
309	0.688	-49.349	0.0	0.0	0.0
309	0.688	-48.699	14.7	45.7	46.0
309	0.688	-42.579	462.0	100.2	104.0
309	0.688	-33.219	1762.6	177.8	186.9
309	0.688	-29.029	2576.7	210.4	223.2
309	0.688	-24.509	3582.8	235.1	252.0
309	0.688	-21.929	4202.7	245.2	264.5
309	0.688	-12.899	6701.1	307.9	329.8
309	0.688	1.29	12397.4	494.6	519.4
309	0.688	10.96	17380.0	535.0	565.5
309	0.688	27.28	26233.3	550.0	587.6
416	0.15564	-17.31	0.0	0.0	0.0
369	0.316	-20.109	0.0	0.0	0.0
369	0.316	-19.529	7.7	26.6	26.6
369	0.316	-19.429	11.2	44.6	44.6
369	0.316	-19.329	15.9	48.3	48.4
369	0.316	-18.179	83.6	69.3	69.5
369	0.316	-17.789	117.1	102.7	102.9
369	0.316	-17.599	137.1	107.8	108.1

369	0.316	-17.499	148.0	109.6	109.9
369	0.316	-14.799	458.7	120.4	121.9
369	0.316	-13.839	576.4	124.8	126.8
369	0.316	-11.139	927.5	135.2	138.5
369	0.316	-7.179	1485.0	146.3	152.2
369	0.316	-1.699	2346.2	168.4	177.0
369	0.316	4.34	3489.5	209.5	220.0
369	0.316	7.36	4159.3	233.2	244.5
369	0.316	14.57	6388.0	385.2	397.6
411	0.798	-52.279	0.0	0.0	0.0
411	0.798	-46.339	131.4	44.2	46.1
411	0.798	-21.129	3564.5	228.1	238.1
411	0.798	-12.469	5876.1	305.3	318.0
411	0.798	-0.129	10423.0	431.4	446.7
411	0.798	0.39	10650.9	436.6	452.0
411	0.798	14.81	17884.0	566.3	585.6
411	0.798	21.13	22299.4	830.6	851.3
411	0.798	35.57	34947.6	920.9	946.2
411	0.798	37.68	36890.5	928.8	954.4
412	0.98833	-17.759	0.0	0.0	0.0
412	0.98833	-16.449	76.0	115.8	115.8
412	0.98833	-16.189	111.4	153.4	153.5
412	0.98833	-12.769	1147.0	453.3	454.1
412	0.98833	0.08	7911.0	598.0	601.3
412	0.98833	30.67	32525.5	1011.1	1019.8
412	0.98833	32.12	33989.9	1016.8	1025.7
418	0.44819	-30.049	0.0	0.0	0.0
418	0.44819	-28.179	92.5	99.0	99.1
418	0.44819	-24.719	565.1	174.1	175.0
418	0.44819	-22.659	1030.7	279.9	281.2
418	0.44819	-22.049	1229.1	360.4	361.8
418	0.44819	-14.959	4026.6	429.4	432.7
418	0.44819	-6.319	7887.7	463.5	471.1
418	0.44819	12.23	17253.0	545.7	562.0
418	0.44819	20.63	22123.2	613.5	631.9
418	0.44819	24.42	24479.8	633.0	651.8
420	0.034	-24.319	0.0	0.0	0.0
420	0.034	-20.579	142.5	76.2	76.7
420	0.034	-19.689	221.4	102.8	103.7
420	0.034	-19.289	291.0	243.4	244.5
420	0.034	-17.479	783.0	300.3	302.2
420	0.034	-13.859	1914.1	324.9	328.1
420	0.034	20.03	14927.4	442.8	464.1
420	0.034	26.33	17752.8	453.9	476.9
416	0.15564	-16.84	4.2	17.8	18.0
416	0.15564	-14.7	175.7	142.3	143.7
416	0.15564	-14.54	203.2	204.7	206.2
416	0.15564	-13.99	336.1	274.9	276.7
416	0.15564	-13.43	527.5	416.2	418.3
416	0.15564	-13.26	601.8	454.5	456.7
416	0.15564	-11.64	1486.9	638.6	641.8
416	0.15564	18.76	22460.2	740.7	760.7
416	0.15564	19.09	22710.7	741.3	761.3
416	0.96312	-28.05	0.0	0.0	0.0
416	0.96312	-27.22	26.0	62.2	62.2
416	0.96312	-26.74	60.3	81.6	81.6

416	0.96312	-22.8	506.9	145.0	145.8
416	0.96312	-22.68	524.4	148.5	149.2
416	0.96312	-18.62	1340.6	253.5	256.3
416	0.96312	-13.9	3100.5	491.8	496.9
416	0.96312	-13.55	3300.7	635.8	641.1
416	0.96312	18.55	26757.7	825.4	849.0
416	0.96312	18.57	26778.9	825.4	849.0
52	0.25	-51.859	0.0	0.0	0.0
52	0.25	-37.679	10132.4	1428.6	1428.9
52	0.25	-33.709	16373.9	1714.3	1715.2
52	0.25	13.94	105093.2	2008.6	2025.8
52	0.25	15.65	108515.4	2012.3	2029.8
291	0.664	-48.479	0.0	0.0	0.0
291	0.664	-44.079	1949.7	886.6	886.8
291	0.664	-39.259	10089.0	2492.9	2493.4
291	0.664	-22.519	56767.8	3084.0	3085.6
291	0.664	6.76	153858.8	3545.9	3552.3
291	0.664	11.62	171145.7	3565.3	3572.4
300	0.423	-38.829	0.0	0.0	0.0
300	0.423	-34.669	1146.2	551.6	551.7
300	0.423	-30.639	3629.4	681.9	682.3
300	0.423	-23.369	9402.1	905.5	906.4
300	0.423	-0.379	35406.5	1357.0	1360.2
300	0.423	-0.239	35605.1	1358.4	1361.7
432	0.243	-15.199	0.0	209.6	209.6
432	0.243	-11.219	1591.3	590.0	590.1
432	0.243	-9.509	2867.4	902.4	902.6
432	0.243	-9.269	3085.0	911.0	911.2
432	0.243	-7.949	4299.3	928.7	929.1
432	0.243	18.02	30365.2	1078.6	1087.8
432	0.243	18.33	30699.8	1079.5	1088.7
434	0.465	-38.579	0.0	0.0	0.0
434	0.465	-38.269	47.3	302.3	302.3
434	0.465	-33.879	1880.3	532.9	533.3
434	0.465	-29.649	5288.1	1077.5	1078.4
434	0.465	-29.339	5754.1	1895.2	1896.1
434	0.465	-19.309	26761.3	2293.1	2294.9
434	0.465	1.06	78398.9	2775.3	2779.2
434	0.465	1.22	78834.0	2776.3	2780.3
436	0.396	-39.329	0.0	0.0	0.0
436	0.396	-30.229	2646.3	581.6	581.9
436	0.396	-27.769	4414.0	852.8	853.3
436	0.396	-25.109	7277.9	1305.3	1306.1
436	0.396	-22.839	11509.2	2414.6	2415.6
436	0.396	-21.129	16223.6	3111.5	3112.5
436	0.396	-19.429	22257.5	3961.6	3962.7
436	0.396	-10.139	60797.0	4336.1	4337.7
436	0.396	-6.489	76803.2	4436.0	4437.9
436	0.396	-3.499	90672.2	4853.9	4856.1
436	0.396	9.73	159897.2	5603.6	5607.7
436	0.396	10.0	161399.7	5615.0	5619.1
436	0.396	10.9	166663.4	6076.0	6080.2
436	0.396	18.1	210777.5	6171.4	6175.9
436	0.67	-42.549	0.0	0.0	0.0
436	0.67	-36.489	1624.4	535.5	535.6
436	0.67	-29.949	8305.3	1507.4	1508.0

436	0.67	-26.249	15244.0	2246.5	2247.7
436	0.67	-22.649	24080.3	2659.9	2661.6
436	0.67	-16.159	43038.7	3179.8	3182.5
436	0.67	-15.729	44465.8	3511.4	3514.3
436	0.67	-5.779	81341.0	3898.7	3904.3
436	0.67	-4.449	86563.9	3972.9	3978.8
436	0.67	8.86	143344.8	4554.2	4570.0
436	0.67	14.5	171933.3	5583.8	5603.0
436	0.67	16.58	183662.7	5665.6	5684.9
436	0.67	16.96	185812.5	5674.5	5693.8
452	0.128	-29.099	0.0	0.0	0.0
452	0.128	-25.339	780.1	415.1	415.2
452	0.128	-22.649	2230.7	660.3	660.4
452	0.128	-19.669	4344.2	759.6	761.8
452	0.128	-7.499	14983.4	988.1	998.7
452	0.128	0.77	23565.4	1085.0	1101.5
452	0.128	2.37	25294.3	1085.7	1103.2
83	0.484	-48.549	0.0	0.0	0.0
83	0.484	-47.719	118.5	285.5	285.5
83	0.484	-45.939	811.6	493.2	493.3
83	0.484	-45.309	1191.2	711.5	711.6
83	0.484	-42.689	3261.0	868.4	868.6
83	0.484	-38.289	7314.9	974.1	974.7
83	0.484	-29.489	16607.8	1137.8	1139.4
83	0.484	-26.869	19664.9	1195.8	1197.6
83	0.484	-17.749	31332.8	1362.9	1366.3
83	0.484	-8.219	45243.8	1556.4	1561.4
83	0.484	-7.699	46108.1	1767.9	1772.9
83	0.484	-2.459	55701.6	1893.7	1899.6
83	0.484	-2.039	56497.3	1895.2	1901.1
309	0.58	-37.689	0.0	0.0	0.0
309	0.58	-34.059	127.3	70.1	70.5
309	0.58	-33.279	185.8	80.1	80.7
309	0.58	-31.459	364.7	117.0	118.0
309	0.58	-23.169	1698.0	204.2	207.8
309	0.58	-18.239	2839.2	258.9	263.6
309	0.58	-17.199	3140.2	321.3	326.4
309	0.58	-16.419	3401.6	350.4	355.8
309	0.58	-15.639	3701.5	420.4	426.2
309	0.58	-10.969	5718.5	443.6	451.1
309	0.58	-7.339	7390.6	477.3	485.9
309	0.58	-6.819	7640.7	486.5	495.2
309	0.58	-4.489	8815.7	520.1	529.2
309	0.58	11.32	17775.4	612.4	626.9
309	0.58	22.52	24775.0	638.0	654.9
310	0.154	-24.339	0.0	0.0	0.0
310	0.154	-20.959	361.5	214.3	214.9
310	0.154	-20.709	446.9	450.9	451.5
310	0.154	-15.799	2884.5	541.7	543.2
310	0.154	-13.449	4262.2	631.4	633.3
310	0.154	0.1	13193.7	686.0	696.4
310	0.154	12.88	22299.7	739.4	757.7
310	0.154	17.06	25424.9	753.5	772.4
310	0.329	-25.469	0.0	0.0	0.0
310	0.329	-24.089	18.6	26.9	27.0
310	0.329	-23.219	68.1	87.6	87.9

310	0.329	-22.359	188.4	190.5	190.9
310	0.329	-21.489	382.8	259.2	259.7
310	0.329	-20.629	622.2	294.6	295.2
310	0.329	-19.759	905.8	361.1	361.8
310	0.329	-19.419	1031.8	367.8	368.5
310	0.329	-13.709	3330.3	437.7	440.0
310	0.329	-4.549	7542.7	481.5	487.4
310	0.329	-1.949	8852.2	528.2	534.7
310	0.329	0.97	10428.1	543.9	551.5
310	0.329	11.79	16638.0	604.2	615.6
310	0.329	13.6	17733.7	609.0	620.7
366	1.0	-18.029	0.0	26.4	26.4
366	1.0	-17.039	29.6	34.0	34.3
366	1.0	-16.889	38.4	75.8	76.2
366	1.0	-13.769	318.0	103.3	104.4
366	1.0	17.37	6491.9	293.0	304.1
366	1.0	17.54	6538.8	293.5	304.6
411	0.389	-30.019	0.0	0.0	0.0
411	0.389	-20.209	1136.9	231.9	233.0
411	0.389	-16.709	2075.1	303.9	305.9
411	0.389	-0.079	8089.8	419.3	426.3
411	0.389	16.74	16038.3	525.1	537.5
411	0.389	36.95	27551.7	614.0	635.3
411	0.389	38.41	28451.6	617.6	639.2
414	0.46381	-21.259	0.0	0.0	0.0
414	0.46381	-18.179	174.9	113.2	113.9
414	0.46381	-17.919	208.2	142.6	143.3
414	0.46381	-16.009	759.7	437.1	438.5
414	0.46381	-15.839	837.5	451.5	452.9
414	0.46381	-3.759	6946.8	560.0	564.6
414	0.46381	-2.009	7939.2	573.8	579.2
414	0.46381	29.67	28281.9	710.2	731.0
414	0.46381	31.07	29279.4	714.2	735.4
416	0.08729	-17.679	0.0	0.0	0.0
416	0.08729	-16.979	17.1	49.5	49.6
416	0.08729	-15.619	175.6	182.3	182.8
416	0.08729	-14.969	338.7	325.4	326.1
416	0.08729	-13.299	996.4	460.2	461.4
416	0.08729	-13.079	1110.7	563.5	564.8
416	0.08729	-2.809	7305.5	643.1	647.1
416	0.08729	26.54	28566.0	805.5	819.8
416	0.08729	28.43	30099.2	810.7	825.4
422	0.0	-26.929	0.0	0.0	0.0
422	0.0	-25.289	104.5	127.4	127.4
422	0.0	-24.879	160.6	146.4	146.5
422	0.0	-21.189	862.7	234.2	234.6
422	0.0	-17.499	1856.5	304.4	305.7
422	0.0	-9.919	4330.9	348.4	352.3
422	0.0	-3.359	6790.0	401.3	406.8
422	0.0	0.12	8241.2	432.8	439.0
422	0.0	1.97	9054.7	446.7	453.5
422	0.0	15.9	15717.9	509.9	523.5
422	0.0	18.57	17084.1	513.5	527.9
284	0.808	-39.049	0.0	0.0	0.0
284	0.808	-34.209	1998.4	825.4	825.5
284	0.808	-33.999	2174.0	843.0	843.2

284	0.808	-0.029	31862.4	904.9	939.4
284	0.808	1.15	32939.6	905.3	940.7
702	0.125	-5.38	0.0	0.0	0.0
702	0.125	-0.25	751.2	292.9	293.5
702	0.125	0.12	930.2	637.6	638.2
702	0.125	36.66	30897.8	1002.6	1010.5
702	0.125	38.91	33165.1	1013.3	1021.4
703	0.125	-2.8	0.0	0.0	0.0
703	0.125	-1.7	129.8	236.6	236.6
703	0.125	-0.24	651.6	476.4	476.6
703	0.125	1.58	1638.1	602.1	602.6
703	0.125	24.14	17197.7	777.1	783.3
703	0.125	25.36	18176.7	828.3	834.7
703	0.125	28.04	20432.9	853.5	860.4
703	0.125	39.26	30754.1	986.6	995.4
703	0.125	39.75	31238.0	989.7	998.6
46	0.223	-56.779	0.0	0.0	0.0
46	0.223	-48.669	1223.5	301.9	303.0
46	0.223	-45.509	2588.2	561.4	562.9
46	0.223	-34.939	10205.1	879.1	882.1
46	0.223	-30.569	14290.4	991.5	995.1
46	0.223	-17.349	30954.4	1529.8	1537.1
46	0.223	-3.439	55905.2	2058.1	2069.5
46	0.223	2.95	69273.7	2120.5	2133.2
46	0.223	6.66	77182.9	2135.6	2148.8
46	0.825	-56.719	0.0	0.0	0.0
46	0.825	-56.429	44.5	309.8	309.8
46	0.825	-53.269	1193.0	416.8	417.1
46	0.825	-49.539	2809.3	448.5	449.8
46	0.825	-46.949	4233.2	652.5	654.3
46	0.825	-40.339	8893.2	757.5	760.6
46	0.825	-35.169	13119.2	876.5	880.0
46	0.825	-33.729	14397.0	902.0	905.7
46	0.825	-26.549	21695.1	1129.7	1135.3
46	0.825	-24.129	24475.5	1174.0	1180.9
46	0.825	-17.639	32358.0	1253.4	1265.3
46	0.825	-15.909	34590.4	1336.0	1349.4
46	0.825	-13.899	37468.9	1525.8	1541.4
46	0.825	-12.749	39237.8	1552.0	1568.8
46	0.825	-8.959	45274.6	1630.9	1652.0
46	0.825	-2.119	56783.7	1734.7	1760.8
46	0.825	9.08	76503.4	1784.4	1815.4
46	0.825	20.0	96100.8	1804.9	1838.6
53	0.521	-24.839	0.0	0.0	0.0
53	0.521	-21.739	1762.6	1137.2	1137.6
53	0.521	-16.579	8866.6	1615.5	1616.6
53	0.521	-9.089	22485.5	2023.9	2026.0
53	0.521	-7.539	25968.0	2474.2	2476.6
53	0.521	0.7	46559.6	2512.7	2519.9
53	0.521	3.47	53533.7	2523.2	2530.8
215	0.187	-5.809	0.0	0.0	0.0
215	0.187	-5.339	718.1	3088.1	3088.1
215	0.187	0.2	18436.9	3295.2	3295.6
215	0.187	1.27	21990.2	3307.1	3307.6
274	0.094	-14.659	0.0	0.0	0.0
274	0.094	-14.239	17.7	83.3	83.7

274	0.094	-9.309	515.2	118.4	123.5
274	0.094	-9.169	547.0	329.0	334.4
274	0.094	4.13	5851.5	468.5	496.9
274	0.094	4.2	5889.0	566.3	594.9
274	0.094	4.63	6135.3	566.6	595.8
274	0.094	4.78	6217.4	566.6	595.9
275	0.172	-14.709	0.0	0.0	0.0
275	0.172	-12.339	241.7	204.2	204.2
275	0.172	-8.859	1137.5	311.2	312.2
275	0.172	-0.169	3971.6	341.2	346.9
275	0.172	0.1	4067.1	341.6	347.4
285	0.344	-29.629	0.0	0.0	0.0
285	0.344	-26.779	367.9	258.2	258.3
285	0.344	-24.059	1242.8	385.0	385.2
285	0.344	-13.309	6907.0	668.6	669.7
285	0.344	-7.479	11304.0	839.9	841.4
285	0.344	-6.089	12619.0	1052.8	1054.4
285	0.344	-0.099	19167.5	1132.1	1134.9
285	0.344	0.02	19314.2	1132.6	1135.4
285	0.528	-23.439	0.0	0.0	0.0
285	0.528	-21.249	286.5	262.1	262.1
285	0.528	-17.759	1585.3	482.4	482.6
285	0.528	-7.539	8042.7	780.6	781.5
285	0.528	-6.719	8688.6	794.9	796.0
285	0.528	-5.169	10142.4	1088.8	1090.0
285	0.528	0.24	16109.3	1113.7	1115.5
434	0.817	-35.579	0.0	0.0	0.0
434	0.817	-27.059	8144.2	1912.3	1912.4
434	0.817	-25.799	10611.3	1998.0	1998.2
434	0.817	0.06	73984.6	2901.7	2903.4
434	0.817	3.53	84166.6	2966.7	2968.4
440	0.198	-38.299	0.0	0.0	0.0
440	0.198	-34.619	1085.9	589.6	589.7
440	0.198	-33.989	1475.2	641.4	641.5
440	0.198	-26.889	7369.1	1018.8	1019.2
440	0.198	-26.049	8318.7	1255.0	1255.4
440	0.198	-23.819	12587.0	2577.5	2577.9
440	0.198	-23.539	13310.9	2622.8	2623.3
440	0.198	-14.499	39346.6	3131.6	3132.5
440	0.198	-7.119	63049.3	3293.3	3295.3
440	0.198	-6.879	63842.6	3357.9	3359.8
440	0.198	1.22	104189.2	6586.8	6588.8
440	0.198	3.59	120146.6	6898.7	6900.7
51	0.294	-32.599	0.0	0.0	0.0
51	0.294	-31.969	168.9	538.8	538.8
51	0.294	-21.809	7024.2	811.0	811.9
51	0.294	-7.639	25992.1	1866.2	1869.1
51	0.294	-2.129	37852.1	2433.0	2436.6
51	0.294	-0.119	42772.7	2472.1	2475.9
51	0.294	0.0	43082.8	2473.3	2477.1
367	1.0	-17.05	0.0	289.0	289.0
367	1.0	100.0	33827.45	289.0	523.1
371	0.505	-21.199	0.0	0.0	0.0
371	0.505	-20.779	24.5	117.6	117.8
371	0.505	1.46	3343.3	180.6	195.0
371	0.505	2.31	3500.3	187.4	202.1

371	0.505	12.75	6135.7	317.3	333.7
371	0.505	13.59	6404.8	322.9	339.4
374	0.539	-19.229	0.0	0.0	0.0
374	0.539	-18.609	20.7	66.4	66.6
374	0.539	0.04	1841.0	128.6	140.1
374	0.539	0.38	1885.1	134.6	146.2
374	0.539	5.98	2997.2	262.5	274.8
374	0.539	11.73	4784.7	358.3	371.3
374	0.539	11.94	4860.1	359.6	372.6
412	0.87214	-20.309	0.0	0.0	0.0
412	0.87214	-16.739	169.6	95.1	95.5
412	0.87214	-15.499	395.0	268.2	268.6
412	0.87214	-9.299	2443.9	392.5	393.6
412	0.87214	-8.369	2836.2	450.8	451.9
412	0.87214	-5.419	4241.8	503.5	505.0
412	0.87214	2.32	8364.3	560.1	564.0
412	0.87214	32.43	27271.1	695.7	712.4
412	0.87214	33.95	28329.2	699.1	716.1
414	0.00892	-20.149	0.0	0.0	0.0
414	0.00892	-15.339	354.2	147.4	147.7
414	0.00892	-15.189	377.3	149.7	150.1
414	0.00892	-11.619	1571.1	519.8	520.8
414	0.00892	8.06	13771.1	719.3	725.2
414	0.00892	13.48	17740.9	743.7	752.0
414	0.00892	30.69	31175.5	817.5	833.5
414	0.00892	32.29	32481.1	821.4	837.8
416	0.7853	-33.339	0.0	0.0	0.0
416	0.7853	-31.939	49.7	71.0	71.6
416	0.7853	-28.339	486.5	171.0	173.2
416	0.7853	-22.309	1857.4	284.3	289.1
416	0.7853	-17.409	3309.3	308.0	315.5
416	0.7853	-13.079	4739.3	351.1	359.5
416	0.7853	-1.829	9068.3	418.9	431.1
416	0.7853	28.62	24151.6	571.4	595.5
421	0.15	-24.449	0.0	0.0	0.0
421	0.15	-23.919	34.6	130.7	130.7
421	0.15	-23.379	112.9	159.2	159.3
421	0.15	-21.649	491.5	278.4	278.8
421	0.15	-15.779	2203.4	304.7	307.8
421	0.15	11.09	11547.3	390.6	409.1
421	0.15	19.36	14923.2	425.6	448.0
421	0.15	22.25	16163.7	433.2	456.1
703	0.375	-13.72	0.0	0.0	0.0
703	0.375	-11.17	172.9	135.6	135.9
703	0.375	-6.47	1218.8	308.8	309.7
703	0.375	35.29	21774.7	675.5	685.8
703	0.375	40.0	25309.2	826.6	837.5
703	0.375	40.39	25635.5	837.5	848.4
45	0.111	-60.129	0.0	0.0	0.0
45	0.111	-45.519	2986.7	408.8	409.8
45	0.111	-40.279	5402.9	514.0	515.7
45	0.111	-27.349	13345.7	714.2	717.8
45	0.111	-20.779	18578.2	877.4	885.2
45	0.111	-18.019	21259.6	1066.5	1076.2
45	0.111	-16.909	22505.6	1191.7	1202.1
45	0.111	-14.889	25348.8	1619.1	1630.7

45	0.111	-9.499	35989.5	2327.6	2342.6
45	0.111	-9.269	36518.2	2367.0	2382.1
45	0.111	-8.819	37610.0	2467.2	2482.7
45	0.111	-4.539	49311.9	3003.4	3022.2
45	0.111	-4.319	49990.7	3024.5	3043.5
45	0.111	-2.569	55416.4	3177.6	3197.8
45	0.111	-0.939	60678.9	3284.2	3305.4
45	0.111	3.44	75150.9	3302.6	3326.3
45	0.111	4.78	79555.3	3303.8	3328.1
46	0.578	-68.559	0.0	0.0	0.0
46	0.578	-54.909	765.2	112.1	115.5
46	0.578	-38.489	5907.0	513.8	520.0
46	0.578	-34.589	8415.5	773.2	780.1
46	0.578	-29.019	12917.8	843.7	851.7
46	0.578	-22.619	18750.0	977.7	988.6
46	0.578	-20.669	20748.2	1072.7	1084.3
46	0.578	-19.649	22023.8	1434.2	1446.3
46	0.578	-17.239	26006.9	1866.0	1879.1
46	0.578	-15.379	29700.2	2108.4	2122.3
46	0.578	-15.169	30188.4	2531.6	2545.6
46	0.578	-9.249	45831.6	2757.8	2774.3
46	0.578	-4.239	60752.9	3196.9	3215.4
46	0.578	1.75	80074.1	3247.2	3267.2
46	0.578	6.33	94992.6	3262.3	3283.0
46	0.941	-54.849	0.0	0.0	0.0
46	0.941	-52.409	432.9	355.3	355.4
46	0.941	-40.219	5771.5	521.0	523.3
46	0.941	-39.769	6035.3	626.4	628.7
46	0.941	-36.779	7985.3	678.5	681.2
46	0.941	-35.309	8997.6	697.5	700.5
46	0.941	-33.369	10382.9	737.2	741.0
46	0.941	-30.569	12517.1	784.6	789.7
46	0.941	-19.999	23776.7	1344.8	1355.8
46	0.941	-5.649	48979.1	2168.9	2187.3
46	0.941	-4.959	50479.6	2182.4	2201.1
46	0.941	4.73	72223.4	2300.2	2320.7
46	0.941	5.1	73069.8	2301.7	2322.2
47	0.308	-52.679	0.0	0.0	0.0
47	0.308	-48.959	199.2	107.0	107.6
47	0.308	-48.549	261.1	192.3	193.1
47	0.308	-41.099	2568.0	427.0	429.1
47	0.308	-34.619	6268.2	714.4	717.7
47	0.308	-33.099	7497.1	905.4	909.0
47	0.308	-30.479	10191.9	1151.1	1155.3
47	0.308	-29.649	11257.8	1424.8	1429.3
47	0.308	-20.819	26317.1	1987.0	1993.8
47	0.308	-20.279	27403.7	2016.1	2023.1
47	0.308	-13.369	41489.1	2063.3	2072.3
47	0.308	-0.409	69169.6	2206.4	2218.0
47	0.308	-0.129	69795.8	2208.5	2220.1
286	0.536	-31.949	0.0	0.0	0.0
286	0.536	-24.629	1101.4	301.0	301.4
286	0.536	-14.389	5787.5	613.8	614.9
286	0.536	-9.019	9829.4	892.6	894.0
286	0.536	-7.919	10865.6	995.6	997.1
286	0.536	-5.479	13931.6	1518.4	1520.2

286	0.536	-3.649	16808.7	1627.1	1629.1
286	0.536	0.8	24338.7	1747.9	1750.4
286	0.536	0.97	24639.6	1749.1	1751.6
290	0.863	-75.899	0.0	0.0	0.0
290	0.863	-57.239	4098.7	439.2	444.2
290	0.863	-31.199	29398.9	1504.2	1515.8
290	0.863	-30.469	30519.5	1542.4	1554.4
290	0.863	-24.169	43617.1	2616.0	2630.9
290	0.863	-24.099	43790.1	2619.8	2634.7
290	0.863	-21.939	49493.5	2658.9	2675.0
290	0.863	-12.849	74999.8	2949.0	2967.9
290	0.863	14.29	158882.2	3231.1	3255.1
431	0.72	-33.499	0.0	0.0	0.0
431	0.72	-31.089	304.6	252.4	252.5
431	0.72	-27.189	1541.5	382.1	382.5
431	0.72	-20.129	6040.8	893.6	895.6
431	0.72	-20.039	6124.1	902.3	904.3
431	0.72	-19.389	6878.0	1418.5	1420.7
431	0.72	-12.249	21612.7	2705.2	2708.8
431	0.72	-0.369	56192.4	3116.5	3122.1
431	0.72	-0.259	56531.0	3116.8	3122.5
431	0.889	-38.229	0.0	0.0	0.0
431	0.889	-33.309	386.6	157.2	157.7
431	0.889	-31.359	986.9	458.7	459.5
431	0.889	-30.159	1605.2	566.2	567.2
431	0.889	-23.379	6664.4	927.2	929.5
431	0.889	-18.279	12671.1	1426.3	1429.6
431	0.889	-17.909	13208.7	1470.2	1473.5
431	0.889	-16.049	16249.3	1806.0	1809.6
431	0.889	-14.659	19083.2	2265.3	2269.0
431	0.889	-13.919	20949.8	2762.8	2766.7
431	0.889	-9.179	34398.3	2919.7	2924.1
431	0.889	-0.269	62120.5	3303.3	3308.5
431	0.889	-0.169	62462.0	3303.8	3309.1
436	0.027	-38.229	0.0	0.0	0.0
436	0.027	-29.209	3241.0	719.1	719.3
436	0.027	-27.699	4720.4	1236.3	1236.6
436	0.027	-26.089	7290.0	1960.5	1960.8
436	0.027	-24.579	10721.0	2574.7	2575.2
436	0.027	-23.539	13600.5	2961.7	2962.3
436	0.027	5.65	109291.1	3592.7	3596.0
436	0.027	5.92	110267.8	3595.1	3598.4
436	0.803	-44.639	0.0	0.0	0.0
436	0.803	-42.989	66.3	80.5	80.6
436	0.803	-33.179	10831.6	2114.3	2114.9
436	0.803	-32.509	12305.4	2244.7	2245.4
436	0.803	-27.579	23968.6	2487.8	2489.0
436	0.803	-23.029	36591.8	3061.1	3063.2
436	0.803	-17.529	54900.1	3599.3	3602.5
436	0.803	-1.989	117253.1	4422.9	4429.6
436	0.803	14.84	196388.1	4975.3	4987.0
436	0.803	17.53	209846.0	5046.3	5058.6
436	0.803	17.72	210802.9	5048.3	5060.6
436	0.803	17.91	211821.1	5693.5	5705.8
439	0.1	-40.669	0.0	0.0	0.0
439	0.1	-26.749	5843.9	839.5	840.2

439	0.1	-24.799	8302.0	1682.9	1683.6
439	0.1	-24.789	8321.3	2163.1	2163.9
439	0.1	-22.709	13214.8	2546.3	2547.1
439	0.1	-20.619	18633.8	2643.8	2644.7
439	0.1	-15.609	32603.9	2931.2	2932.3
439	0.1	-8.609	53735.4	3107.3	3115.5
439	0.1	-7.409	57539.5	3204.6	3214.1
439	0.1	-1.109	79858.7	3886.8	3902.9
439	0.1	0.39	85752.1	3916.3	3934.0
439	0.1	0.95	87936.0	3927.2	3944.9
50	0.909	-39.819	0.0	0.0	0.0
50	0.909	-38.879	173.9	371.1	371.1
50	0.909	-31.649	4604.7	854.2	854.4
50	0.909	-26.689	10350.7	1464.8	1465.4
50	0.909	-18.789	24761.6	2182.6	2184.5
50	0.909	-5.399	63959.6	3670.9	3674.9
50	0.909	0.1	84587.5	3817.7	3822.6
50	0.909	0.35	85542.1	3823.3	3828.2
51	0.096	-39.839	0.0	0.0	0.0
51	0.096	-35.139	1095.1	465.8	465.9
51	0.096	-32.689	2322.4	538.0	538.5
51	0.096	-23.099	9270.0	910.4	912.5
51	0.096	-22.409	9901.2	920.0	922.1
51	0.096	-16.329	16795.5	1347.2	1351.2
51	0.096	-11.749	23944.5	1776.7	1781.5
51	0.096	0.0	49733.8	2610.8	2617.8
51	0.096	0.4	50803.3	2637.8	2644.8
51	0.096	2.03	55177.3	2728.7	2735.9
309	0.344	-24.639	0.0	96.4	96.4
309	0.344	-21.609	550.1	266.3	266.5
309	0.344	-20.279	949.7	335.9	336.3
309	0.344	-18.569	1593.2	418.4	419.1
309	0.344	-17.809	1937.0	488.1	489.0
309	0.344	-2.079	10482.2	598.0	603.7
309	0.344	0.18	11854.1	608.0	614.7
309	0.344	14.21	20783.0	664.9	678.1
309	0.344	20.77	25186.0	678.5	693.2
373	0.547	-22.579	0.0	0.0	0.0
373	0.547	-21.179	17.9	25.7	25.9
373	0.547	-19.039	126.3	76.0	76.6
373	0.547	-17.779	233.8	93.3	94.1
373	0.547	-17.579	252.7	95.6	96.6
373	0.547	-15.719	437.1	102.6	104.5
373	0.547	-9.969	1123.8	136.6	140.9
373	0.547	-7.649	1455.7	148.2	153.7
373	0.547	0.33	2814.4	191.8	200.4
373	0.547	0.42	2831.5	193.9	202.4
373	0.547	5.49	4133.2	319.4	328.7
373	0.547	12.88	6845.6	415.1	425.7
373	0.547	14.48	7515.7	421.6	432.4
410	0.549	-18.369	0.0	0.0	0.0
410	0.549	-16.209	309.5	285.8	285.9
410	0.549	-13.229	1305.0	382.8	383.1
410	0.549	-12.149	1780.2	494.9	495.2
410	0.549	-10.159	2789.5	522.0	522.7
410	0.549	-3.659	6335.5	569.6	572.1

410	0.549	6.7	12801.6	676.6	681.2
410	0.549	7.24	13168.9	680.3	685.0
410	0.549	16.81	19858.2	718.5	728.3
410	0.549	35.21	33435.8	756.8	781.6
410	0.549	35.52	33669.9	757.1	782.1
412	0.22444	-25.169	0.0	0.0	0.0
412	0.22444	-19.639	529.7	191.3	192.7
412	0.22444	-18.209	888.6	311.0	312.9
412	0.22444	-3.569	6119.4	403.3	410.2
412	0.22444	0.71	7926.6	439.9	447.8
412	0.22444	3.03	8967.2	456.5	465.1
412	0.22444	32.14	24351.7	600.5	620.6
412	0.22444	37.85	27829.5	616.6	637.7
422	0.883	-26.879	0.0	0.0	0.0
422	0.883	-25.739	60.2	105.7	105.8
422	0.883	-24.969	159.0	151.2	151.2
422	0.883	-24.479	236.3	163.1	163.2
422	0.883	-17.379	1892.5	303.5	304.9
422	0.883	-10.169	4275.2	357.3	360.6
422	0.883	-7.679	5192.0	378.3	382.2
422	0.883	0.31	8434.4	432.6	439.0
422	0.883	15.68	15708.8	513.6	525.6
422	0.883	17.84	16821.7	519.0	531.4
45	0.721	-42.909	0.0	0.0	0.0
45	0.721	-41.699	16.5	27.3	27.5
45	0.721	-40.479	222.0	312.1	312.5
45	0.721	-38.579	1000.7	506.6	507.4
45	0.721	-37.549	1564.3	579.8	580.8
45	0.721	-36.509	2309.8	857.3	858.5
45	0.721	-33.219	5407.9	1028.7	1030.7
45	0.721	-32.329	6343.5	1065.7	1068.1
45	0.721	-30.249	8659.4	1166.4	1170.2
45	0.721	-28.209	11183.0	1300.2	1305.4
45	0.721	-26.479	13683.8	1592.3	1598.6
45	0.721	-23.569	18373.4	1629.9	1638.1
45	0.721	-20.569	23313.2	1666.4	1676.7
45	0.721	-16.189	30773.5	1739.7	1753.0
45	0.721	-15.959	31183.5	1817.4	1830.9
45	0.721	-15.729	31611.5	1895.2	1908.9
45	0.721	-7.629	47695.0	2076.9	2101.8
45	0.721	-5.559	52056.2	2126.7	2154.4
45	0.721	2.01	68693.5	2267.2	2306.0
45	0.721	2.47	69755.2	2273.3	2312.8
45	0.721	10.54	88366.1	2339.4	2386.5
45	0.721	16.54	102529.4	2386.1	2434.9
45	0.721	17.23	104378.6	2961.0	3009.8
47	0.83	-55.639	0.0	0.0	0.0
47	0.83	-45.489	1222.6	240.8	242.6
47	0.83	-44.769	1451.7	391.1	393.1
47	0.83	-44.289	1666.4	497.1	499.2
47	0.83	-43.079	2402.3	720.6	722.8
47	0.83	-40.619	4446.6	941.9	944.6
47	0.83	-39.309	5742.2	1033.1	1036.3
47	0.83	-36.789	8598.3	1240.0	1244.4
47	0.83	-35.829	9934.7	1524.6	1529.4
47	0.83	-33.329	13805.1	1574.7	1580.5

47	0.83	-31.229	17142.6	1611.9	1618.8
47	0.83	-29.189	20476.3	1651.0	1658.8
47	0.83	1.87	75814.8	1911.2	1926.3
47	0.83	1.98	76028.2	1911.6	1926.7
53	0.747	-25.799	0.0	0.0	0.0
53	0.747	-24.339	372.7	509.4	509.4
53	0.747	-22.779	1401.9	809.2	809.2
53	0.747	-17.509	7472.1	1495.2	1496.4
53	0.747	-7.559	25418.2	2111.6	2115.1
53	0.747	-5.999	28974.3	2444.7	2448.5
53	0.747	0.53	45157.4	2506.8	2512.5
53	0.747	0.82	45891.4	2508.9	2514.7
260	0.812	-7.439	0.0	0.0	0.0
260	0.812	-4.879	5005.2	3913.2	3913.3
260	0.812	0.0	24266.0	3974.5	3975.5
260	0.812	0.23	25190.5	3976.3	3977.3
285	0.164	-30.749	0.0	0.0	0.0
285	0.164	-24.059	1314.8	393.0	393.2
285	0.164	-16.759	5030.7	625.1	625.8
285	0.164	-7.269	12430.7	934.5	935.9
285	0.164	-7.029	12677.0	1090.0	1091.4
285	0.164	0.63	21453.6	1200.2	1204.3
285	0.164	1.36	22333.1	1209.6	1213.8
286	0.845	-33.889	0.0	0.0	0.0
286	0.845	-24.879	1388.3	308.4	308.9
286	0.845	-21.989	2419.2	404.4	405.2
286	0.845	-10.899	9015.3	784.5	786.0
286	0.845	-6.719	13316.4	1273.3	1275.0
286	0.845	0.51	22849.1	1363.1	1369.4
286	0.845	1.63	24388.4	1363.7	1370.7
430	0.537	-33.389	0.0	0.0	0.0
430	0.537	-32.259	240.7	425.2	425.2
430	0.537	-26.599	4133.2	950.0	950.2
430	0.537	-19.579	12207.4	1350.6	1351.2
430	0.537	-12.559	24924.9	2273.1	2274.3
430	0.537	-3.049	47471.4	2468.7	2470.9
430	0.537	-0.559	53690.6	2525.4	2527.8
430	0.537	16.86	100188.4	2808.7	2819.8
430	0.537	17.54	102099.8	2819.1	2830.2
431	0.211	-33.989	0.0	0.0	0.0
431	0.211	-33.409	57.4	198.2	198.2
431	0.211	-29.109	1219.7	343.3	343.6
431	0.211	-27.609	1947.4	621.7	622.0
431	0.211	-26.449	2703.2	681.2	681.6
431	0.211	-22.849	5659.0	962.5	962.9
431	0.211	-21.109	7473.4	1122.8	1123.3
431	0.211	-15.659	14541.7	1469.8	1471.1
431	0.211	-14.729	15987.1	1644.9	1646.3
431	0.211	-12.179	20895.4	2201.4	2203.2
431	0.211	-10.779	24141.6	2462.2	2464.3
431	0.211	-0.459	51140.4	2767.6	2771.3
431	0.211	-0.209	51819.9	2774.0	2777.7
439	0.857	-62.359	0.0	0.0	0.0
439	0.857	-41.479	5486.7	525.5	528.5
439	0.857	-40.779	5874.3	587.9	591.0
439	0.857	-37.539	8191.2	838.6	841.9

439	0.857	-24.079	20484.7	988.3	995.1
439	0.857	-22.189	22378.6	1021.0	1028.2
439	0.857	-12.939	38654.4	2497.2	2511.3
439	0.857	-11.759	41611.6	2500.9	2515.9
439	0.857	2.27	85545.4	3757.8	3780.0
439	0.857	6.77	102460.0	3761.0	3785.5
452	0.501	-32.789	0.0	0.0	0.0
452	0.501	-32.199	31.8	109.4	109.4
452	0.501	-24.649	1942.6	396.1	396.5
452	0.501	-20.339	3891.7	509.9	510.7
452	0.501	-16.159	6701.6	832.6	834.0
452	0.501	0.52	23617.2	1194.5	1197.6
452	0.501	1.8	25161.8	1213.3	1216.5
452	0.899	-40.809	0.0	0.0	0.0
452	0.899	-39.409	88.5	127.1	127.2
452	0.899	-32.729	1870.8	406.2	406.6
452	0.899	-28.419	3916.0	541.5	542.1
452	0.899	-22.849	7293.0	671.4	672.5
452	0.899	-19.789	9666.4	878.4	879.7
452	0.899	-18.669	10785.6	1131.5	1132.9
452	0.899	1.53	35922.5	1356.1	1374.0
452	0.899	3.03	37967.4	1356.5	1375.6
48	0.445	-40.389	0.0	0.0	0.0
48	0.445	-39.969	23.3	111.8	111.8
48	0.445	-38.999	409.1	680.0	680.0
48	0.445	-38.159	1034.1	816.5	816.5
48	0.445	-36.769	2255.8	938.5	938.8
48	0.445	-8.789	30377.6	1071.4	1083.1
48	0.445	-8.619	30563.3	1077.6	1089.4
48	0.445	-4.329	35813.3	1374.2	1388.2
48	0.445	-4.129	36090.6	1394.5	1408.6
48	0.445	-3.789	36579.2	1439.3	1453.7
48	0.445	-2.939	37861.6	1590.6	1605.6
48	0.445	-1.889	39636.1	1789.0	1804.8
48	0.445	-0.579	42123.6	1989.7	2006.2
48	0.445	0.02	43339.7	2051.0	2067.9
48	0.445	1.89	47359.4	2237.2	2254.9
48	0.445	2.58	48917.6	2281.6	2299.5
48	0.445	2.75	49311.4	2286.7	2304.6
48	0.445	4.15	52502.5	2289.9	2308.1
49	0.148	-38.379	0.0	0.0	0.0
49	0.148	-37.269	193.9	351.1	351.1
49	0.148	-30.779	3157.9	561.8	562.3
49	0.148	-26.839	7509.9	1646.1	1646.8
49	0.148	-21.909	17515.3	2412.4	2413.5
49	0.148	-17.559	29666.9	3181.2	3182.6
49	0.148	-14.079	41388.0	3558.3	3559.8
49	0.148	-8.749	61447.5	3963.9	3966.5
49	0.148	9.14	132966.7	4025.4	4038.4
49	0.148	10.72	139306.7	4027.2	4040.8
310	0.235	-25.149	0.0	0.0	0.0
310	0.235	-24.809	2.2	13.2	13.2
310	0.235	-21.869	322.7	204.7	205.3
310	0.235	-21.349	432.2	217.1	217.7
310	0.235	-20.309	687.8	275.8	276.5
310	0.235	-18.059	1351.0	314.2	315.2

310	0.235	-17.369	1586.3	366.2	367.4
310	0.235	-16.339	1972.4	378.0	379.4
310	0.235	-15.299	2408.3	462.2	463.9
310	0.235	-12.529	3723.0	488.0	490.3
310	0.235	-4.919	7674.7	550.7	554.8
310	0.235	-2.329	9124.0	566.8	571.8
310	0.235	9.07	16074.1	651.1	659.5
310	0.235	14.61	19750.3	677.6	688.2
310	0.235	20.4	23715.4	691.6	703.4
310	0.413	-30.139	0.0	0.0	0.0
310	0.413	-25.119	215.2	85.8	86.5
310	0.413	-24.779	248.5	106.8	107.5
310	0.413	-23.909	396.0	234.2	235.1
310	0.413	-23.049	623.5	292.1	293.2
310	0.413	-23.039	626.7	335.5	336.6
310	0.413	-21.839	1050.6	370.7	371.9
310	0.413	-19.939	1770.3	386.0	387.7
310	0.413	-7.659	6871.8	445.0	451.7
310	0.413	-4.029	8547.1	477.6	485.3
310	0.413	0.11	10613.4	518.1	526.6
310	0.413	0.63	10883.3	522.5	531.2
310	0.413	11.79	17019.2	576.8	589.9
310	0.413	14.29	18468.0	583.3	596.9
310	0.775	-28.059	0.0	0.0	0.0
310	0.775	-27.549	17.2	66.6	66.6
310	0.775	-26.849	105.6	188.8	188.8
310	0.775	-26.679	141.5	227.1	227.3
310	0.775	-26.159	276.1	291.6	291.8
310	0.775	-21.319	1859.2	362.3	363.4
310	0.775	-13.019	5105.4	419.8	423.3
310	0.775	-10.079	6392.7	456.0	460.1
310	0.775	-8.179	7282.7	479.7	484.2
310	0.775	-2.469	10134.5	519.8	525.9
310	0.775	-0.229	11318.9	533.9	540.7
310	0.775	9.22	16506.7	563.6	577.1
310	0.775	14.46	19495.6	576.1	590.6
310	0.875	-25.119	0.0	0.0	0.0
310	0.875	-23.269	16.3	17.5	17.9
310	0.875	-21.639	82.8	64.4	65.4
310	0.875	-20.129	216.3	112.5	114.1
310	0.875	-18.969	386.7	181.2	183.3
310	0.875	-18.389	529.5	311.2	313.6
310	0.875	-15.729	1457.0	383.8	387.2
310	0.875	-4.239	6337.9	466.0	472.5
310	0.875	-2.849	6994.0	476.4	483.3
310	0.875	0.39	8723.4	588.3	595.6
310	0.875	9.67	14350.9	624.4	640.2
310	0.875	12.77	16306.5	635.7	651.9
365	0.673	-17.369	0.0	0.0	0.0
365	0.673	-17.279	2.1	47.5	47.5
365	0.673	-17.269	2.8	104.7	104.7
365	0.673	-16.789	58.1	130.4	130.4
365	0.673	-16.609	83.5	136.4	136.4
365	0.673	-15.089	320.5	175.4	175.7
365	0.673	-13.659	587.1	197.2	197.7
365	0.673	-12.709	780.6	210.1	210.8

365	0.673	-9.179	1563.6	233.4	235.1
365	0.673	-8.419	1742.5	237.1	239.2
365	0.673	-2.339	3328.6	284.7	288.8
365	0.673	-1.079	3696.4	298.3	302.8
365	0.673	1.44	4527.9	360.8	365.4
365	0.673	1.98	4724.7	367.3	372.1
365	0.673	19.9	12342.1	482.4	492.6
365	0.673	20.45	12603.3	484.1	494.4
366	0.543	-18.559	0.0	0.0	0.0
366	0.543	-15.319	149.7	92.5	92.8
366	0.543	-12.169	486.6	121.6	122.7
366	0.543	-3.499	1694.0	156.5	162.7
366	0.543	17.29	6409.6	296.9	309.3
369	0.976	-25.309	0.0	0.0	0.0
369	0.976	-25.219	0.1	4.2	4.2
369	0.976	-22.899	33.5	24.4	25.1
369	0.976	-20.879	91.2	32.6	34.3
369	0.976	-20.589	100.9	34.3	36.0
369	0.976	-18.559	184.7	48.2	50.5
369	0.976	-16.829	292.5	76.3	79.0
369	0.976	-16.339	331.3	82.3	85.1
369	0.976	-15.859	372.4	88.5	91.4
369	0.976	-14.699	484.6	104.9	108.0
369	0.976	-13.549	609.4	112.1	115.6
369	0.976	-12.099	776.0	117.5	121.8
369	0.976	-9.389	1102.0	123.8	130.1
369	0.976	-6.409	1484.8	132.2	140.4
369	0.976	-5.929	1548.8	134.0	142.5
369	0.976	-0.009	2424.2	162.0	172.9
369	0.976	7.9	3927.4	217.6	230.8
369	0.976	14.57	5594.3	282.0	296.6
369	0.976	14.66	5619.4	282.4	297.0
370	0.916	-21.039	0.0	0.0	0.0
370	0.916	-20.629	3.7	18.3	18.4
370	0.916	-19.649	32.1	39.5	39.7
370	0.916	-18.019	129.8	80.3	80.6
370	0.916	-17.689	157.5	87.2	87.6
370	0.916	-15.569	368.7	111.9	112.9
370	0.916	-15.489	378.3	127.5	128.5
370	0.916	-14.759	477.1	143.2	144.4
370	0.916	-14.749	478.6	156.9	158.1
370	0.916	-14.589	505.3	176.3	177.5
370	0.916	-12.799	831.6	188.2	190.0
370	0.916	-9.619	1455.9	204.4	207.4
370	0.916	-7.899	1815.4	213.5	217.2
370	0.916	-5.699	2297.8	225.0	229.6
370	0.916	1.04	3946.5	263.4	270.4
370	0.916	12.88	7558.7	347.1	357.4
370	0.916	14.21	8025.2	351.9	362.4
410	0.805	-15.919	0.0	0.0	0.0
410	0.805	-14.849	46.3	85.8	85.8
410	0.805	-14.699	65.8	180.0	180.0
410	0.805	-12.909	555.1	365.8	366.2
410	0.805	-12.379	787.9	520.7	521.2
410	0.805	-12.319	817.5	527.3	527.8
410	0.805	-11.989	1000.6	557.5	558.2

410	0.805	2.64	9837.9	649.7	654.9
410	0.805	30.04	29416.3	779.4	796.8
410	0.805	34.06	32561.1	785.7	804.3
411	0.109	-30.319	0.0	0.0	0.0
411	0.109	-24.339	320.8	107.1	108.3
411	0.109	-14.309	2255.4	278.6	281.9
411	0.109	-12.469	2880.6	401.7	405.3
411	0.109	1.73	9403.8	516.5	523.9
411	0.109	17.19	18102.2	608.4	625.2
411	0.109	17.72	18434.5	657.0	674.1
411	0.109	43.74	36514.4	732.6	768.8
411	0.109	48.18	39788.6	742.4	779.5
413	0.42557	-15.789	0.0	0.0	0.0
413	0.42557	-15.139	56.0	170.7	170.8
413	0.42557	-14.089	284.1	263.6	263.7
413	0.42557	-13.689	409.6	373.2	373.3
413	0.42557	-10.939	1591.3	483.9	484.3
413	0.42557	-5.549	4373.1	549.5	550.9
413	0.42557	23.19	23299.5	766.9	775.8
413	0.42557	34.22	31980.0	807.2	817.6
415	0.06477	-25.469	0.0	0.0	0.0
415	0.06477	-15.659	764.8	156.0	157.5
415	0.06477	-14.079	1118.5	289.6	291.3
415	0.06477	-12.549	1610.7	353.6	355.5
415	0.06477	-10.879	2307.3	480.6	482.7
415	0.06477	-9.359	3058.2	510.9	513.3
415	0.06477	-8.489	3561.4	638.8	641.4
415	0.06477	-6.759	4679.2	653.2	656.2
415	0.06477	30.02	32576.9	863.6	880.1
415	0.06477	30.19	32728.1	864.2	880.8
416	0.2177	-16.019	0.0	0.0	0.0
416	0.2177	-15.929	0.6	12.4	12.4
416	0.2177	-14.369	379.9	476.9	477.1
416	0.2177	-13.209	956.0	514.1	514.4
416	0.2177	-3.909	6228.2	619.4	621.4
416	0.2177	-3.519	6469.3	624.5	626.5
416	0.2177	2.57	10435.6	674.8	679.3
416	0.2177	12.94	17610.8	709.1	719.4
416	0.2177	26.99	28142.4	789.9	805.5
416	0.2177	28.0	28936.3	791.8	807.6
421	0.845	-28.719	0.0	0.0	0.0
421	0.845	-22.839	393.9	134.0	135.0
421	0.845	-20.449	850.0	246.8	248.1
421	0.845	-20.209	908.3	257.4	258.7
421	0.845	-17.099	1803.6	318.2	320.3
421	0.845	20.03	16503.8	473.4	492.4
421	0.845	22.49	17676.9	478.7	498.3
700	0.625	-18.43	0.0	0.0	0.0
700	0.625	-17.45	71.1	145.0	145.1
700	0.625	-3.72	3645.7	375.7	378.1
700	0.625	2.74	6713.3	572.3	575.6
700	0.625	21.76	18957.5	715.1	723.3
700	0.625	31.76	27466.3	986.6	996.3
700	0.625	41.56	37324.4	1024.4	1035.4
701	0.375	-6.46	0.0	0.0	0.0
701	0.375	-5.0	194.7	266.1	266.4

701	0.375	-3.04	971.9	530.4	531.2
701	0.375	22.56	16406.3	674.8	684.7
701	0.375	25.6	18564.5	740.9	751.3
701	0.375	38.16	28393.7	824.6	838.7
701	0.375	38.29	28498.0	825.1	839.2
703	0.625	-15.09	0.0	0.0	0.0
703	0.625	-14.31	9.1	23.3	23.4
703	0.625	-14.11	14.2	28.1	28.2
703	0.625	-10.98	194.8	87.0	87.5
703	0.625	-7.45	719.5	210.3	211.3
703	0.625	-3.52	1790.3	335.7	337.2
703	0.625	-0.78	2778.1	383.9	385.8
703	0.625	28.62	16569.6	553.9	565.7
703	0.625	28.82	16691.5	689.5	701.4
703	0.625	30.19	17663.2	726.2	738.3
703	0.625	39.01	24358.5	791.3	805.9
703	0.625	41.76	26542.4	799.7	814.7
47	0.219	-50.309	0.0	0.0	0.0
47	0.219	-49.849	60.9	264.2	264.3
47	0.219	-49.619	127.3	312.2	312.2
47	0.219	-36.249	6479.1	637.8	639.5
47	0.219	-34.169	7852.2	685.7	687.7
47	0.219	-29.789	11458.2	960.6	963.5
47	0.219	-27.029	14295.5	1090.4	1094.3
47	0.219	-26.799	14571.9	1307.7	1311.7
47	0.219	-24.719	17479.3	1494.6	1499.3
47	0.219	-24.259	18175.2	1523.5	1528.3
47	0.219	-23.569	19244.9	1569.8	1574.9
47	0.219	-15.959	32948.2	2032.4	2040.9
47	0.219	-13.649	37869.5	2236.7	2246.1
47	0.219	-13.189	38929.8	2362.3	2371.9
47	0.219	3.21	78410.6	2447.6	2463.4
47	0.219	19.76	119333.5	2497.0	2515.5
47	0.411	-44.979	0.0	0.0	0.0
47	0.411	-44.809	2.3	27.1	27.1
47	0.411	-43.599	234.7	356.8	356.8
47	0.411	-41.179	1340.3	556.6	556.7
47	0.411	-40.829	1599.2	940.5	940.6
47	0.411	-40.659	1781.8	1171.7	1171.9
47	0.411	-38.929	3924.5	1306.6	1306.8
47	0.411	-37.719	5554.7	1387.0	1387.3
47	0.411	-25.099	24425.1	1602.9	1604.8
47	0.411	-7.109	55289.2	1829.7	1834.4
47	0.411	2.68	73577.7	1902.9	1911.1
47	0.411	10.0	87659.5	1945.0	1953.9
53	0.615	-23.869	0.0	0.0	0.0
53	0.615	-21.689	945.5	868.5	868.5
53	0.615	-16.929	6658.1	1532.6	1532.8
53	0.615	-9.269	21161.0	2253.3	2253.7
53	0.615	-7.579	25085.8	2381.5	2382.1
53	0.615	0.0	43316.6	2428.2	2432.8
53	0.615	0.35	44178.6	2430.1	2434.6
275	0.84	-17.759	0.0	0.0	0.0
275	0.84	-17.329	19.2	88.8	88.8
275	0.84	-13.799	490.4	178.1	178.4
275	0.84	-11.779	1137.9	463.7	464.3

275	0.84	-10.269	1891.5	532.4	533.2
275	0.84	0.1	8014.1	647.0	649.8
275	0.84	0.82	8477.2	650.0	652.8
291	0.142	-66.169	0.0	0.0	0.0
291	0.142	-35.239	22503.9	1455.5	1457.8
291	0.142	-30.419	32124.9	2534.3	2537.2
291	0.142	-18.409	65156.2	2964.6	2968.4
291	0.142	-18.159	65877.1	2983.7	2987.5
291	0.142	-12.049	85114.5	3307.0	3312.2
291	0.142	19.28	190938.6	3446.3	3465.0
291	0.142	20.62	195556.3	3449.3	3468.2
430	0.113	-62.369	0.0	0.0	0.0
430	0.113	-61.469	33.0	73.0	73.0
430	0.113	-50.599	1748.7	242.6	244.4
430	0.113	-37.469	9328.2	911.6	914.9
430	0.113	-27.279	19204.2	1026.9	1032.0
430	0.113	-6.329	43940.4	1335.2	1343.2
430	0.113	-2.939	48699.6	1465.3	1474.1
430	0.113	1.76	56469.6	1836.8	1846.9
430	0.113	4.11	60899.5	1928.5	1939.2
430	0.113	15.5	83872.1	2104.5	2116.7
430	0.113	16.69	86362.2	2113.4	2125.6
432	0.814	-21.149	0.0	0.0	0.0
432	0.814	-17.829	515.0	309.7	309.8
432	0.814	-15.199	1820.6	684.6	684.8
432	0.814	-13.709	2878.1	736.6	736.9
432	0.814	-5.309	9882.8	930.5	931.7
432	0.814	3.61	18649.2	1033.2	1036.0
432	0.814	3.7	18741.7	1033.8	1036.5
433	0.813	-34.729	0.0	0.0	0.0
433	0.813	-30.599	898.0	434.8	434.9
433	0.813	-26.539	3402.7	798.9	799.1
433	0.813	-25.369	4668.4	1364.7	1364.9
433	0.813	-23.349	8351.8	2282.1	2282.4
433	0.813	-19.759	16843.0	2448.3	2448.8
433	0.813	-2.679	61259.8	2752.7	2755.1
433	0.813	1.76	73764.6	2880.0	2882.9
433	0.813	2.93	77147.9	2903.3	2906.2
435	0.559	-36.329	0.0	0.0	0.0
435	0.559	-33.139	1372.8	860.3	860.3
435	0.559	-30.949	3455.4	1043.6	1043.7
435	0.559	-28.999	6577.4	2159.4	2159.5
435	0.559	-27.819	9224.3	2319.1	2319.2
435	0.559	-8.319	62675.0	3162.0	3163.7
435	0.559	3.25	101360.3	3524.2	3526.9
435	0.559	7.04	114905.0	3614.0	3616.8
49	0.784	-42.319	0.0	0.0	0.0
49	0.784	-41.799	135.9	519.6	519.6
49	0.784	-40.749	699.1	556.7	556.8
49	0.784	-29.939	9678.6	1103.9	1106.8
49	0.784	-22.789	18473.1	1355.6	1360.9
49	0.784	-7.959	44906.8	2210.3	2220.3
49	0.784	0.93	68413.8	3074.8	3087.5
49	0.784	1.24	69376.6	3077.2	3090.0
49	0.784	3.02	74861.7	3085.7	3098.6
310	0.496	-26.749	0.0	0.0	0.0

310	0.496	-26.099	9.8	30.4	30.4
310	0.496	-24.409	216.3	214.1	214.3
310	0.496	-24.239	254.1	222.8	222.9
310	0.496	-22.979	552.1	251.9	252.3
310	0.496	-22.199	767.8	301.4	301.9
310	0.496	-21.679	935.8	345.3	346.0
310	0.496	-19.219	1893.7	431.0	432.5
310	0.496	-16.229	3224.9	460.2	462.4
310	0.496	-8.999	6669.1	492.5	498.1
310	0.496	-5.189	8580.7	511.0	518.3
310	0.496	0.34	11560.7	564.5	573.0
310	0.496	11.6	18263.7	626.5	639.1
310	0.496	12.46	18807.4	629.4	642.2
367	0.0	-17.05	0.0	289.0	289.0
367	0.0	100.0	33827.45	289.0	523.1
368	0.499	-18.949	0.0	0.0	0.0
368	0.499	-18.539	4.0	19.6	19.7
368	0.499	-17.509	30.1	30.4	30.7
368	0.499	-17.289	39.1	55.6	55.9
368	0.499	-17.199	44.9	60.2	60.5
368	0.499	-15.849	140.0	80.7	81.2
368	0.499	-14.389	276.5	106.2	107.0
368	0.499	-13.459	379.9	116.1	117.0
368	0.499	-12.519	492.9	124.1	125.3
368	0.499	-9.619	873.0	138.0	140.3
368	0.499	-9.299	917.4	139.3	141.8
368	0.499	-6.399	1333.4	147.5	152.0
368	0.499	-2.859	1870.0	155.6	162.8
368	0.499	-2.549	1918.3	156.0	163.3
368	0.499	-2.339	1949.5	156.3	163.7
374	0.089	-19.039	0.0	0.0	0.0
374	0.089	-18.709	3.2	19.4	19.5
374	0.089	-15.849	103.6	50.5	51.3
374	0.089	-15.519	131.1	116.2	117.1
374	0.089	-10.809	738.5	142.1	144.8
374	0.089	-1.849	2165.6	176.1	183.2
374	0.089	0.71	2639.4	193.7	201.7
374	0.089	11.6	5471.8	326.4	336.3
374	0.089	12.02	5611.7	328.4	338.4
412	0.48337	-16.319	0.0	0.0	0.0
412	0.48337	-12.509	375.1	197.2	197.7
412	0.48337	-12.449	392.7	332.6	333.0
412	0.48337	-7.919	2283.5	502.3	503.4
412	0.48337	-7.259	2644.7	598.1	599.3
412	0.48337	-1.089	6512.8	655.5	658.0
412	0.48337	11.37	15256.5	746.5	752.9
412	0.48337	31.72	31396.9	839.7	854.6
412	0.48337	36.19	35168.3	850.0	865.8
412	0.72668	-22.309	0.0	0.0	0.0
412	0.72668	-20.209	55.8	53.1	53.7
412	0.72668	-19.509	97.9	67.0	67.7
412	0.72668	-18.459	192.7	113.4	114.7
412	0.72668	-18.289	214.2	132.1	133.5
412	0.72668	-16.539	626.2	338.4	341.1
412	0.72668	-15.489	1019.8	411.1	414.4
412	0.72668	-8.209	4412.2	521.7	529.7

412	0.72668	34.39	32102.6	777.7	800.0
412	0.72668	35.62	33057.5	780.7	803.2
414	0.20472	-18.419	0.0	0.0	0.0
414	0.20472	-8.699	1883.4	387.7	389.5
414	0.20472	-5.419	3608.1	663.1	666.2
414	0.20472	30.15	30672.1	858.1	873.7
414	0.20472	31.07	31462.0	860.7	876.5
416	0.48777	-22.659	0.0	0.0	0.0
416	0.48777	-19.509	236.3	149.9	150.7
416	0.48777	-19.229	289.6	219.3	220.1
416	0.48777	-18.639	480.1	430.1	431.1
416	0.48777	-16.539	1433.9	477.8	479.3
416	0.48777	26.87	26681.5	685.2	704.2
416	0.48777	29.14	28246.5	690.1	709.6
421	0.99	-34.049	0.0	0.0	0.0
421	0.99	-27.739	203.1	64.4	66.5
421	0.99	-21.089	1020.2	181.2	185.2
421	0.99	-16.319	2249.6	333.8	339.2
421	0.99	2.36	9053.5	394.5	410.5
421	0.99	21.61	17313.5	463.3	489.6
421	0.99	23.36	18127.1	466.0	492.8
416	0.53483	-28.97	0.0	0.0	0.0
416	0.53483	-25.14	109.1	56.9	57.9
416	0.53483	-21.73	494.1	168.9	170.8
416	0.53483	-18.32	1296.3	301.6	304.3
416	0.53483	-18.06	1383.6	381.4	384.2
416	0.53483	-17.67	1535.0	388.8	391.7
416	0.53483	-15.85	2342.4	498.0	502.2
416	0.53483	19.94	22045.9	602.7	631.4
416	0.53483	20.0	22079.8	602.8	631.5
417	0.15672	-34.71	0.0	0.0	0.0
417	0.15672	-34.37	11.8	69.6	69.6
417	0.15672	-33.35	121.2	144.1	144.1
417	0.15672	-32.84	202.6	174.4	174.5
417	0.15672	-31.81	400.1	211.7	211.9
417	0.15672	-29.6	932.5	268.6	269.0
417	0.15672	-27.04	1664.3	303.7	304.5
417	0.15672	-24.67	2412.2	327.5	328.9
417	0.15672	-20.05	3975.8	349.4	352.6
417	0.15672	-10.68	7413.2	383.9	391.9
417	0.15672	-8.9	8102.1	389.9	398.9
417	0.15672	18.82	20048.7	471.7	497.8
417	0.15672	19.31	20280.7	472.4	498.6
309	0.79	-34.75	0.0	0.0	0.0
309	0.79	-19.02	3117.4	396.3	399.3
309	0.79	-15.73	4641.8	529.6	533.1
309	0.79	-11.14	7120.3	550.8	556.4
309	0.79	0.0	13583.8	608.9	619.1
309	0.79	0.78	14059.4	611.9	622.4
309	0.79	20.84	27460.9	723.8	741.8
309	0.79	21.42	27881.9	725.9	743.9
700	0.875	-12.78	0.0	0.0	0.0
700	0.875	-3.91	2156.8	486.5	487.0
700	0.875	-1.23	3518.7	529.6	530.5
700	0.875	0.0	4205.7	580.9	582.2
700	0.875	13.19	12586.1	689.1	693.7

700	0.875	13.6	12880.3	737.5	742.2
700	0.875	14.84	13813.3	770.8	776.0
700	0.875	25.97	23963.8	1052.4	1063.8
700	0.875	27.83	25928.0	1064.5	1076.6
700	0.875	31.34	29841.5	1168.5	1181.0
700	0.875	38.76	38878.9	1266.5	1280.2
700	0.875	40.41	40979.5	1280.4	1294.2
46	0.062	-75.179	0.0	0.0	0.0
46	0.062	-72.649	323.1	255.4	255.8
46	0.062	-57.459	5324.0	403.4	407.1
46	0.062	-48.789	9521.1	564.2	569.0
46	0.062	-40.439	14683.9	671.7	677.7
46	0.062	-31.799	21458.3	897.5	904.4
46	0.062	-27.829	25207.7	988.5	996.1
46	0.062	-24.289	28848.2	1068.8	1077.0
46	0.062	-17.339	37399.2	1394.3	1404.8
46	0.062	-8.569	50890.6	1679.5	1693.3
46	0.062	-6.689	54147.9	1794.8	1809.4
46	0.062	-2.669	61893.3	2060.6	2076.9
46	0.062	-1.869	63560.6	2089.0	2105.6
46	0.062	3.74	75409.7	2130.1	2148.2
46	0.062	10.48	89842.4	2152.4	2171.5
52	0.884	-66.989	0.0	0.0	0.0
52	0.884	-65.839	207.5	360.9	361.1
52	0.884	-34.189	20663.7	931.5	938.8
52	0.884	-32.579	22201.7	975.5	983.5
52	0.884	-8.719	57211.2	1959.1	1988.3
52	0.884	-6.419	61884.0	2103.5	2134.9
52	0.884	-0.319	75724.4	2434.9	2470.7
52	0.884	2.58	82954.1	2545.4	2582.8
52	0.884	16.45	119097.0	2665.8	2709.5
52	0.884	19.74	127927.9	2690.9	2734.8
275	0.324	-18.399	0.0	0.0	0.0
275	0.324	-17.499	49.0	108.8	109.0
275	0.324	-13.319	733.1	218.4	219.5
275	0.324	3.69	5717.0	367.2	373.2
275	0.324	5.51	6388.6	371.4	377.8
430	0.371	-33.849	0.0	0.0	0.0
430	0.371	-33.709	19.4	266.0	266.0
430	0.371	-29.529	2071.9	716.3	716.4
430	0.371	-29.409	2159.5	751.0	751.1
430	0.371	-28.559	2883.9	949.9	950.1
430	0.371	-28.219	3241.3	1151.9	1152.2
430	0.371	-10.709	29803.6	1883.5	1885.2
430	0.371	-1.299	51613.5	2751.0	2754.3
430	0.371	7.71	77027.1	2884.0	2888.5
430	0.371	8.28	78668.8	2888.3	2892.8
432	0.489	-33.869	0.0	0.0	0.0
432	0.489	-30.369	200.1	114.3	114.5
432	0.489	-28.489	440.9	141.6	142.6
432	0.489	-15.879	3407.7	329.0	334.8
432	0.489	-10.059	6042.8	575.4	583.3
432	0.489	-6.399	8446.5	738.0	747.2
432	0.489	-2.469	11627.5	881.8	892.4
432	0.489	2.12	15750.5	912.6	925.2
432	0.489	9.13	22177.1	921.5	936.5

435	0.847	-36.889	0.0	0.0	0.0
435	0.847	-36.519	10.0	54.2	54.2
435	0.847	-32.929	1936.6	1017.9	1018.4
435	0.847	-30.339	4868.2	1249.0	1249.9
435	0.847	-23.269	19005.9	2750.8	2752.7
435	0.847	10.68	119910.3	3190.7	3198.8
435	0.847	15.08	134016.2	3231.1	3239.5
436	0.183	-38.809	0.0	0.0	0.0
436	0.183	-30.179	3069.1	711.3	711.6
436	0.183	-27.299	5643.5	1073.4	1073.9
436	0.183	-26.579	6531.4	1378.2	1378.8
436	0.183	-21.929	16952.0	3107.4	3108.6
436	0.183	-5.479	70517.1	3405.3	3408.3
436	0.183	2.9	103089.4	4356.9	4361.1
436	0.183	7.87	125051.0	4490.4	4495.0
436	0.183	9.88	134092.9	4508.8	4513.6
440	0.459	-57.029	0.0	0.0	0.0
440	0.459	-48.839	2201.7	537.9	538.2
440	0.459	-36.789	10691.8	871.6	873.0
440	0.459	-34.189	13673.0	1422.8	1424.4
440	0.459	-30.669	19139.5	1677.2	1679.1
440	0.459	-16.929	44168.9	1967.2	1970.5
440	0.459	-16.379	45385.7	2402.8	2406.2
440	0.459	-7.469	67913.7	2654.2	2658.2
440	0.459	-7.089	68906.8	2696.1	2700.1
440	0.459	4.77	115251.7	5106.4	5110.6
440	0.459	5.89	120999.5	5215.5	5219.7
49	0.397	-40.239	0.0	0.0	0.0
49	0.397	-33.749	2160.6	666.8	666.9
49	0.397	-33.679	2207.4	671.4	671.5
49	0.397	-27.069	6923.5	753.8	755.3
49	0.397	-13.619	27133.2	2251.4	2255.8
49	0.397	-6.199	49730.7	3839.3	3845.0
49	0.397	-3.179	62127.0	4385.2	4391.8
49	0.397	10.4	122312.4	4473.1	4483.8
49	0.397	11.88	128954.1	4477.7	4488.7
50	0.018	-39.939	0.0	0.0	0.0
50	0.018	-37.629	621.8	539.4	539.4
50	0.018	-31.869	4722.8	883.6	883.8
50	0.018	-30.019	6513.8	1058.4	1058.9
50	0.018	-13.189	35677.0	2407.1	2410.4
50	0.018	-8.349	50275.8	3623.5	3627.8
50	0.018	-3.739	67560.9	3873.9	3879.1
50	0.018	5.47	103922.2	4011.9	4018.4
50	0.018	9.49	120078.6	4035.8	4042.7
50	0.588	-52.469	0.0	0.0	0.0
50	0.588	-35.309	6074.5	708.1	709.0
50	0.588	-27.169	12651.6	907.8	909.4
50	0.588	-26.029	14122.0	1676.6	1678.4
50	0.588	-13.519	41835.4	2751.6	2754.4
50	0.588	-9.929	53136.0	3546.3	3549.5
50	0.588	0.0	89501.7	3774.8	3778.9
50	0.588	0.26	90493.1	3776.6	3780.8
51	0.599	-39.519	0.0	0.0	0.0
51	0.599	-34.349	1118.4	432.4	432.6
51	0.599	-15.539	17673.2	1327.8	1330.4

51	0.599	-4.099	37989.2	2223.2	2228.2
51	0.599	-0.339	46449.4	2274.7	2280.3
51	0.599	0.23	47762.9	2280.2	2285.9
83	0.871	-46.449	0.0	0.0	0.0
83	0.871	-45.189	205.6	326.5	326.5
83	0.871	-42.449	1426.0	564.2	564.3
83	0.871	-41.419	2103.5	751.3	751.4
83	0.871	-41.309	2187.0	766.8	766.9
83	0.871	-39.479	3711.7	899.5	899.9
83	0.871	-38.339	4866.6	1126.5	1127.1
83	0.871	-38.109	5146.3	1305.5	1306.1
83	0.871	-29.759	16742.3	1471.9	1473.5
83	0.871	-26.789	21172.4	1511.2	1513.2
83	0.871	-14.789	39810.0	1595.0	1608.5
83	0.871	-5.079	55925.2	1724.2	1746.8
83	0.871	-2.559	60350.2	1787.6	1810.4
83	0.871	-1.879	61568.8	1796.5	1819.4
366	0.0	-18.029	0.0	26.4	26.4
366	0.0	-17.039	29.6	34.0	34.3
366	0.0	-16.889	38.4	75.8	76.2
366	0.0	-13.769	318.0	103.3	104.4
366	0.0	17.37	6491.9	293.0	304.1
366	0.0	17.54	6538.8	293.5	304.6
370	0.361	-19.819	0.0	0.0	0.0
370	0.361	-19.689	0.5	8.3	8.3
370	0.361	-19.359	11.0	55.5	55.5
370	0.361	-19.019	32.9	72.9	72.9
370	0.361	-18.949	37.3	74.7	74.7
370	0.361	-18.149	105.3	93.1	93.2
370	0.361	-17.539	164.3	103.5	103.7
370	0.361	-15.879	355.3	125.1	125.6
370	0.361	-14.819	493.8	136.0	136.7
370	0.361	-10.609	1138.4	170.1	171.9
370	0.361	-10.479	1160.6	170.7	172.5
370	0.361	-2.999	2529.0	195.1	201.1
370	0.361	-2.599	2607.1	195.7	201.9
372	0.226	-22.549	0.0	0.0	0.0
372	0.226	-22.469	2.7	69.0	69.0
372	0.226	-16.029	540.5	98.0	100.9
372	0.226	-14.069	744.1	110.0	113.6
372	0.226	-9.179	1347.7	136.6	142.9
372	0.226	-2.769	2273.5	152.3	163.2
372	0.226	-0.009	2711.1	164.9	177.0
372	0.226	1.58	2985.3	177.5	190.1
372	0.226	9.59	4753.7	264.1	278.1
372	0.226	12.17	5500.3	314.6	329.0
372	0.226	12.88	5725.5	318.0	332.5
374	0.834	-17.929	0.0	0.0	0.0
374	0.834	-17.619	8.0	52.4	52.4
374	0.834	-15.939	186.8	160.0	160.4
374	0.834	6.0	5004.8	278.9	288.2
374	0.834	10.62	6452.7	347.4	357.5
374	0.834	10.66	6467.7	347.6	357.7
413	0.75859	-23.719	0.0	0.0	0.0
413	0.75859	-19.529	297.7	142.2	142.5
413	0.75859	-19.519	299.3	192.1	192.4

413	0.75859	-18.439	515.7	210.3	210.7
413	0.75859	-15.029	1299.3	249.1	250.4
413	0.75859	-11.929	2268.1	375.6	377.5
413	0.75859	-2.789	6134.8	469.7	473.9
413	0.75859	18.91	17388.4	567.1	580.8
413	0.75859	29.92	23984.7	631.2	648.6
413	0.75859	31.12	24747.7	635.1	652.7
416	0.3999	-22.489	0.0	0.0	0.0
416	0.3999	-18.989	89.4	51.1	51.9
416	0.3999	-12.319	1414.2	345.9	348.2
416	0.3999	-11.989	1560.8	545.4	547.8
416	0.3999	-6.849	4433.0	571.8	576.2
416	0.3999	25.47	25973.3	761.0	776.1
416	0.3999	30.02	29468.9	775.0	790.8
421	0.551	-23.829	0.0	0.0	0.0
421	0.551	-23.599	19.8	170.8	170.8
421	0.551	-23.129	125.8	285.0	285.2
421	0.551	-3.249	6527.4	358.8	368.9
421	0.551	0.58	7950.4	382.8	394.4
421	0.551	10.69	11995.2	416.7	433.9
421	0.551	22.55	17200.3	460.9	484.3
421	0.551	24.87	18273.3	466.2	490.1
416	0.65047	-30.82	0.0	0.0	0.0
416	0.65047	-29.54	94.5	147.6	148.0
416	0.65047	-23.57	1308.5	258.7	261.1
416	0.65047	-21.22	2030.9	356.9	360.0
416	0.65047	19.73	19888.5	515.0	538.9
701	0.125	-28.66	0.0	0.0	0.0
701	0.125	-28.22	1.8	8.3	8.4
701	0.125	-27.77	9.8	27.7	28.0
701	0.125	-16.88	553.0	72.0	77.6
701	0.125	-6.66	1991.1	209.2	217.3
701	0.125	1.33	4300.7	368.1	377.9
701	0.125	25.33	14568.3	487.5	506.6
701	0.125	26.66	15502.5	913.7	933.5
701	0.125	39.55	27839.0	1000.4	1024.3
701	0.125	41.46	29752.2	1005.1	1029.3
701	0.625	-9.8	0.0	0.0	0.0
701	0.625	-5.09	724.4	307.8	308.0
701	0.625	0.0	2799.4	506.1	507.4
701	0.625	24.11	16444.2	625.3	636.1
701	0.625	26.07	17701.2	656.8	668.1
701	0.625	26.47	17973.3	730.6	741.8
701	0.625	33.33	23385.2	846.5	859.2
701	0.625	33.34	23393.9	901.1	913.8
701	0.625	37.64	27516.4	1014.5	1028.0
701	0.625	39.6	29543.6	1053.1	1066.8
701	0.625	41.03	31059.0	1076.7	1090.5
701	0.875	-8.04	0.0	0.0	0.0
701	0.875	-2.8	796.7	303.8	304.8
701	0.875	-1.82	1221.0	565.8	566.9
701	0.875	24.51	18076.6	713.9	724.1
701	0.875	29.26	21681.0	801.7	812.9
701	0.875	36.95	28047.2	855.4	868.8
701	0.875	39.26	30038.8	864.9	878.6
45	0.907	-39.539	0.0	0.0	0.0

45	0.907	-38.389	51.1	89.0	89.0
45	0.907	-37.809	144.1	234.6	234.6
45	0.907	-36.779	715.3	869.7	869.8
45	0.907	-36.549	922.0	928.5	928.6
45	0.907	-34.479	3117.5	1193.7	1193.9
45	0.907	-34.359	3255.5	1207.1	1207.3
45	0.907	-27.639	11997.1	1391.6	1392.3
45	0.907	-25.909	14468.3	1469.5	1470.5
45	0.907	-13.069	36128.4	1905.7	1909.9
45	0.907	-3.559	58450.7	2786.0	2793.6
45	0.907	-2.869	60389.7	2837.0	2844.8
45	0.907	4.17	80749.3	2936.0	2944.9
45	0.907	5.1	83463.2	2940.2	2949.2
46	0.422	-68.709	0.0	0.0	0.0
46	0.422	-46.409	721.1	64.6	83.0
46	0.422	-38.269	2890.7	468.7	487.6
46	0.422	-36.949	3570.2	561.2	580.2
46	0.422	-36.779	3668.9	573.5	592.6
46	0.422	-34.129	5350.7	698.2	717.9
46	0.422	-33.439	5846.7	740.3	760.2
46	0.422	-27.559	11540.9	1195.4	1218.0
46	0.422	-22.519	18149.7	1425.3	1450.0
46	0.422	-21.129	20193.0	1511.8	1537.1
46	0.422	-18.789	24026.4	1770.4	1796.6
46	0.422	-15.239	31581.4	2482.0	2509.9
46	0.422	-14.689	32951.2	2538.0	2566.1
46	0.422	-11.649	41036.5	2780.4	2809.5
46	0.422	-10.519	44230.0	2854.7	2884.0
46	0.422	0.62	76931.0	3014.9	3045.9
46	0.422	0.7	77182.9	3015.6	3046.7
52	0.509	-54.739	0.0	0.0	0.0
52	0.509	-54.549	43.8	485.4	485.4
52	0.509	-47.419	4596.4	789.9	790.2
52	0.509	-1.509	65463.8	1861.7	1869.3
52	0.509	-0.749	66876.2	1876.6	1884.2
53	0.067	-27.069	0.0	0.0	0.0
53	0.067	-24.139	955.9	653.2	653.2
53	0.067	-22.189	2489.7	918.9	918.9
53	0.067	-15.739	10087.1	1436.7	1437.0
53	0.067	-11.089	17588.1	1792.4	1792.9
53	0.067	-9.999	19598.6	1866.7	1867.3
53	0.067	2.74	44180.3	1989.9	1993.6
53	0.067	5.6	49888.4	1998.2	2002.3
275	0.706	-18.639	0.0	0.0	0.0
275	0.706	-18.199	30.1	140.3	140.3
275	0.706	-14.729	687.2	237.3	237.5
275	0.706	-7.679	2859.6	378.9	380.2
275	0.706	4.9	8343.3	492.4	496.4
275	0.706	9.62	10717.5	514.0	518.5
285	0.023	-32.999	0.0	0.0	0.0
285	0.023	-30.939	187.0	181.2	181.2
285	0.023	-25.199	1741.4	360.9	361.5
285	0.023	-11.439	8742.3	656.5	658.7
285	0.023	-8.689	10683.0	753.7	756.1
285	0.023	-7.309	11861.2	958.5	960.9
285	0.023	0.59	20261.0	1164.5	1167.7

285	0.023	1.51	21337.7	1182.7	1186.0
285	0.796	-15.289	0.0	0.0	0.0
285	0.796	-14.219	112.9	212.2	212.2
285	0.796	-10.019	1565.9	479.7	479.9
285	0.796	-6.769	3819.1	906.1	907.1
285	0.796	-2.999	7596.7	1095.6	1097.4
285	0.796	-0.159	10726.7	1109.6	1112.5
285	0.796	0.46	11423.6	1111.1	1114.1
290	0.518	-70.399	0.0	0.0	0.0
290	0.518	-48.269	10491.9	948.3	949.9
290	0.518	-28.149	37115.6	1698.1	1702.9
290	0.518	-23.329	46997.6	2399.9	2405.4
290	0.518	20.35	155249.0	2555.7	2602.2
290	0.518	20.92	156699.1	2555.8	2602.8
300	0.066	-40.119	0.0	0.0	0.0
300	0.066	-38.409	590.3	691.5	691.9
300	0.066	-29.139	7454.9	789.7	792.8
300	0.066	-0.359	32173.2	928.0	942.9
300	0.066	0.0	32512.9	929.0	943.9
435	0.335	-41.909	0.0	0.0	0.0
435	0.335	-38.389	1241.7	705.2	705.2
435	0.335	-35.219	3692.2	840.1	840.4
435	0.335	-31.099	7812.3	1159.8	1160.2
435	0.335	-30.039	9642.9	2305.4	2305.8
435	0.335	-2.149	86442.6	3201.2	3203.4
435	0.335	0.48	94928.6	3252.0	3254.3
48	0.125	-39.319	0.0	0.0	0.0
48	0.125	-38.629	67.8	194.9	194.9
48	0.125	-37.779	274.8	295.7	295.7
48	0.125	-37.699	308.9	513.4	513.5
48	0.125	-37.349	513.2	660.5	660.6
48	0.125	-32.589	4133.2	861.5	861.8
48	0.125	-26.449	9749.6	965.3	968.1
48	0.125	-23.889	12375.4	1092.3	1096.2
48	0.125	-17.049	20249.1	1208.3	1215.1
48	0.125	-13.069	25523.2	1442.7	1451.6
48	0.125	-5.559	38187.2	1931.4	1944.2
48	0.125	-3.939	41445.0	2080.2	2093.3
48	0.125	-0.339	49137.1	2197.4	2210.9
48	0.125	0.0	49903.6	2207.1	2220.5
414	0.67962	-28.29	0.0	0.0	0.0
414	0.67962	-25.79	95.4	76.4	76.5
414	0.67962	-25.09	153.6	89.8	90.1
414	0.67962	-21.13	815.7	244.4	245.5
414	0.67962	-16.27	2467.5	435.0	437.1
414	0.67962	16.91	20108.6	627.9	641.3
414	0.67962	18.31	20990.6	631.4	645.1
310	0.591	-25.479	0.0	0.0	0.0
310	0.591	-25.319	0.8	10.5	10.5
310	0.591	-23.379	218.8	214.6	214.9
310	0.591	-23.059	291.1	233.5	233.8
310	0.591	-22.899	329.2	238.1	238.4
310	0.591	-21.119	853.1	352.3	352.9
310	0.591	-19.999	1269.7	385.7	386.3
310	0.591	-19.509	1473.9	458.4	459.1
310	0.591	-3.539	9471.2	543.2	549.8

310	0.591	13.66	19533.6	625.6	639.2
310	0.591	13.87	19660.4	626.1	639.7
310	0.681	-42.699	0.0	0.0	0.0
310	0.681	-40.859	77.1	83.6	83.8
310	0.681	-40.169	157.6	148.8	149.1
310	0.681	-37.859	548.4	190.1	190.6
310	0.681	-37.399	649.2	247.0	247.6
310	0.681	-35.789	1100.3	311.9	312.6
310	0.681	-34.399	1544.0	329.6	330.6
310	0.681	-27.029	4195.7	389.1	392.4
310	0.681	-9.969	11422.2	457.9	469.2
310	0.681	-3.509	14495.7	494.2	507.8
310	0.681	-1.209	15654.1	510.6	524.9
310	0.681	9.7	21791.7	613.8	630.5
310	0.681	12.62	23607.5	630.9	647.8
365	0.325	-18.289	0.0	0.0	0.0
365	0.325	-17.869	11.9	57.0	57.0
365	0.325	-17.759	22.2	129.6	129.6
365	0.325	-17.449	64.3	142.2	142.2
365	0.325	-16.189	258.0	165.1	165.4
365	0.325	-15.249	434.0	209.3	209.7
365	0.325	-12.419	1049.6	225.7	227.1
365	0.325	-8.019	2126.4	263.7	266.1
365	0.325	-6.349	2577.7	276.7	279.5
365	0.325	4.41	6097.5	377.1	382.3
365	0.325	20.09	13033.1	507.6	516.5
365	0.325	20.63	13308.1	509.8	518.7
366	0.142	-19.529	0.0	0.0	0.0
366	0.142	-19.199	3.5	22.0	22.0
366	0.142	-17.249	75.7	51.5	51.8
366	0.142	-16.349	127.9	64.4	64.8
366	0.142	-15.539	184.4	75.1	75.6
366	0.142	-11.889	531.3	115.0	116.2
366	0.142	-9.739	793.1	129.2	131.4
366	0.142	-8.679	940.6	147.0	149.6
366	0.142	-5.779	1405.0	173.6	177.5
366	0.142	9.81	4368.8	206.1	222.7
366	0.142	10.07	4420.8	206.4	223.0
418	0.74065	-26.869	0.0	0.0	0.0
418	0.74065	-22.449	597.8	270.4	271.2
418	0.74065	-21.959	763.3	418.4	419.4
418	0.74065	-8.459	6834.5	480.5	487.4
418	0.74065	-1.309	10412.6	520.3	529.7
418	0.74065	4.56	13658.2	583.7	594.6
418	0.74065	23.92	25762.8	666.6	686.5
418	0.74065	26.69	27614.8	671.0	691.7
422	0.381	-35.779	0.0	0.0	0.0
422	0.381	-35.159	11.6	38.1	38.2
422	0.381	-32.579	188.4	98.3	98.7
422	0.381	-29.379	580.9	146.9	148.0
422	0.381	-24.509	1443.4	207.2	209.2
422	0.381	-20.149	2430.5	245.8	248.9
422	0.381	-18.709	2789.2	255.0	258.9
422	0.381	-11.549	4714.7	282.0	290.2
422	0.381	20.39	15009.4	362.5	394.0
422	0.381	20.76	15142.6	363.1	394.7

284	0.27	-72.309	0.0	0.0	0.0
284	0.27	-55.889	1041.6	126.8	132.2
284	0.27	-55.049	1152.6	136.7	142.2
284	0.27	-45.359	2879.0	219.8	227.8
284	0.27	-43.259	3666.3	528.1	536.8
284	0.27	-25.999	15262.6	815.3	827.8
284	0.27	0.52	39487.6	1011.1	1031.3
284	0.27	0.57	39540.6	1011.2	1031.4
284	0.541	-46.209	0.0	0.0	0.0
284	0.541	-38.209	1777.7	444.4	444.8
284	0.541	-34.209	3818.5	575.9	576.5
284	0.541	-28.729	7258.7	681.0	684.7
284	0.541	-27.679	8036.3	796.4	800.7
284	0.541	-23.259	11777.7	896.1	902.8
284	0.541	-12.519	21567.6	927.4	942.2
284	0.541	0.31	34746.1	1124.9	1142.9
284	0.541	0.54	35005.9	1125.4	1143.5
47	0.52	-53.099	0.0	0.0	0.0
47	0.52	-49.369	580.0	311.5	311.5
47	0.52	-48.519	865.5	354.2	354.3
47	0.52	-38.059	6153.9	657.6	658.4
47	0.52	-37.039	6840.5	681.5	682.4
47	0.52	-31.309	11918.5	1089.9	1091.2
47	0.52	-25.099	19459.3	1339.8	1341.6
47	0.52	-21.239	24849.2	1451.3	1453.4
47	0.52	-15.389	33714.0	1579.3	1583.1
47	0.52	-13.239	37121.9	1590.9	1595.6
47	0.52	16.17	89450.5	1966.9	1991.7
47	0.52	16.18	89470.8	2084.7	2109.5
47	0.52	16.55	90238.0	2086.9	2111.8
47	0.52	18.82	94992.0	2090.8	2116.3
47	0.724	-57.299	0.0	0.0	0.0
47	0.724	-52.409	530.1	216.6	217.0
47	0.724	-39.809	4958.6	486.2	487.9
47	0.724	-37.419	6258.8	600.5	602.4
47	0.724	-27.249	14495.7	1019.5	1025.6
47	0.724	-22.749	19579.0	1242.8	1250.7
47	0.724	-16.779	27763.2	1495.7	1506.1
47	0.724	-4.069	48491.1	1766.7	1782.6
47	0.724	9.23	73401.9	1976.8	1998.4
47	0.724	11.02	76950.8	1978.6	2001.0
52	0.067	-56.749	0.0	0.0	0.0
52	0.067	-45.529	4104.2	731.7	732.0
52	0.067	-45.479	4142.3	733.4	733.8
52	0.067	-38.289	9648.4	799.7	806.9
52	0.067	-35.529	12084.8	961.9	971.7
52	0.067	-25.359	26271.6	1829.9	1850.9
52	0.067	-18.809	39067.3	2071.6	2099.4
52	0.067	-18.509	39711.2	2220.4	2248.3
52	0.067	10.21	109872.3	2664.9	2696.5
52	0.067	14.89	122446.1	2707.5	2739.4
52	0.803	-69.849	0.0	0.0	0.0
52	0.803	-65.599	1018.8	478.8	479.0
52	0.803	9.29	87806.5	1838.7	1850.0
52	0.803	16.7	101563.9	1871.5	1883.6
53	0.212	-37.309	0.0	0.0	0.0

53	0.212	-25.119	1409.1	231.1	232.5
53	0.212	-23.039	2677.1	992.1	993.6
53	0.212	-6.949	24826.1	1759.7	1762.7
53	0.212	-5.359	28061.8	2322.1	2325.2
53	0.212	2.56	46837.5	2415.0	2419.5
53	0.212	3.04	48016.2	2417.5	2422.0
260	0.149	-7.029	0.0	0.0	0.0
260	0.149	-3.979	6975.8	4570.8	4570.9
260	0.149	-0.839	21619.8	4757.9	4758.2
260	0.149	0.06	25971.5	4800.0	4800.2
260	0.444	-6.199	0.0	0.0	0.0
260	0.444	-5.939	353.5	2702.9	2702.9
260	0.444	-0.229	22089.2	4907.2	4907.3
260	0.444	0.01	23306.5	4987.0	4987.0
274	0.605	-10.979	0.0	0.0	0.0
274	0.605	-9.769	161.1	265.9	265.9
274	0.605	-9.389	273.5	327.9	328.0
274	0.605	9.84	7427.2	415.9	424.0
274	0.605	9.96	7476.7	416.1	424.3
285	0.932	-34.279	0.0	0.0	0.0
285	0.932	-32.319	443.9	454.0	454.1
285	0.932	-29.799	1886.9	688.9	689.9
285	0.932	-20.439	9753.9	992.6	997.3
285	0.932	-3.369	36168.2	2102.9	2114.1
285	0.932	0.64	44638.6	2107.4	2120.2
286	0.726	-26.389	0.0	0.0	0.0
286	0.726	-24.449	257.1	264.1	264.2
286	0.726	-16.369	3490.2	536.3	536.8
286	0.726	-8.289	9785.8	1022.4	1023.3
286	0.726	-7.029	11264.3	1314.8	1315.7
286	0.726	1.24	22830.4	1481.4	1483.5
286	0.726	2.07	24071.0	1494.6	1496.7

END