

PE03-044
FORD
5/13/2005
APPENDIX I
BOOK 1 OF 28
PART 2 OF 4

266559.0938	5004.487793	4404.107422	13.868652
266615.5313	5008.882578	4415.924885	13.942871
266672.7188	5006.416504	4418.226562	13.771973
266729.3438	5008.487305	4408.95459	13.888672
266786.2188	5014.032715	4433.328125	13.853027
266843.5	5010.472856	4421.722556	13.938965
266904.7813	5011.536133	4458.435547	13.833105
266962.75	5014.372558	4405.338914	13.930664
267020.0625	5012.546387	4394.700195	13.87207
267078.9083	5012.185527	4411.724121	13.918504
267135.3125	5009.88877	4414.173828	13.899414
267191.5	5008.822266	4438.990449	13.933594
267248.3438	5003.980468	4405.886719	13.932617
267304.875	5003.588914	4413.833301	13.880859
267361.25	5000.259788	4422.542989	13.931841
267417.4375	5002.048828	4395.734375	13.91748
267478.7188	5002.884258	4399.413574	13.907227
267534.4375	5004.351074	4380.283691	13.902832
267590.6563	5000.595703	4385.148928	13.938477
267647.75	5002.328813	4413.741211	13.933594
267703.825	5002.729492	4437.381836	13.874023
267759.1875	5007.456543	4437.858398	13.913088
267819.7188	5008.813985	4426.5	13.885898
267874.8376	5010.379883	4424.441408	13.878806
267932.4063	5010.25283	4424.202148	13.90625
267989.2813	5011.168434	4402.842578	13.898973
268045.9888	5008.937888	4420.774414	13.861328
268102.825	5012.873828	4395.267578	13.883789
268159.9375	5003.348145	4384.318848	13.914052
268216.25	5001.489746	4427.659668	13.902832
268274.5825	5001.538088	4435.554887	13.788574
268331.1875	5002.488281	4413.329102	13.760742
268387.5625	5002.124512	4395.166016	13.900879
268445.4063	5007.415527	4383.0625	13.745117
268503.1563	5008.582012	4404.249512	13.875488
268558.9083	5012.838356	4424.837891	13.890137
268615.4063	5010.200195	4450.205566	13.873047
268677.2813	5003.933105	4400.224808	13.908203
268737.375	5005.92334	4431.835837	13.90825
268793.75	5001.988328	4431.19043	13.829102
268854.5313	4898.686312	4438.147949	13.899414
268916.125	5000.395998	4409.298828	13.887686
268979.0625	5003.180178	4420.78418	13.958884
269034.8688	5002.702837	4428.810352	13.92827
269096.6875	5000.973833	4415.987187	13.949219
269152.7188	5006.864082	4431.460837	13.904785
269209.5825	5006.522949	4422.692871	13.915527
269266.0313	5006.352539	4416.177734	13.902344
269321.76	5009.031738	4423.178223	13.908891
269378.4375	5006.30127	4403.358398	13.947266
269434.5	5005.138672	4406.600586	13.914062
269490.2813	5002.745117	4424.878418	13.910156

269548.4063	5002.743164	4438.791992	13.912598
269603.2188	4999.32959	4427.07373	13.910645
269664.3438	5000.8875	4393.864746	13.915016
269725	4999.984844	4405.348145	13.930176
269781.0938	5003.873535	4446.58252	13.910156
269837.8125	5005.183584	4442.29248	13.891602
269895.2813	5002.476074	4434.758301	13.908691
269951.6563	5004.447754	4450.445312	13.96582
270008.0938	5001.414551	4458.688945	13.911621
270064.6875	5002.814453	4461.853027	13.913086
270125.75	5001.239746	4451.140137	13.926758
270187.1583	4997.869434	4454.556841	13.944824
270248.125	4998.848242	4427.702837	13.961426
270303.7188	4998.275391	4439.232422	13.948242
270359.5938	4998.222858	4460.044922	13.924316
270415.625	5001.255858	4478.406273	13.920896
270471.5	4998.185547	4398.808105	13.918922
270532	4998.061914	4427.078613	13.90332
270593.4375	4998.789043	4417.809982	13.93457
270649.4063	4997.27832	4441.356934	13.935059
270711.2188	4999.515137	4454.755859	13.92827
270767.4063	5002.318895	4432.042989	13.896973
270824.3438	4998.609375	4454.435059	13.927734
270880.9063	5003.885742	4458.754395	13.903809
270938.125	5003.442383	4432.708496	13.828223
270993.8125	5002.36084	4440.868652	13.929199
271049.2813	5002.313965	4478.862793	13.916016
271105.2813	4999.728074	4413.59082	13.919922
271161.9375	5001.13823	4445.443359	13.949707
271217.5938	4994.897461	4424.802246	13.918945
271278.625	4992.306884	4404.663574	13.924316
271339.75	4991.551758	4400.518066	13.938477
271400.6875	4994.439841	4434.325185	13.945312
271462.825	4991.902832	4433.324707	13.923828
271522.0825	4991.30957	4434.699809	13.918434
271578.125	4997.397461	4417.884043	13.939941
271633.8125	4996.274414	4412.739748	13.9375
271690.7813	5000.922852	4399.558594	13.915039
271747.7188	5008.310547	4413.846191	13.947266
271808.5	5004.576172	4437.071289	13.937968
271865.375	5007.325684	4352.456543	13.956543
271922.5	5012.075684	4400.07373	13.920896
271979.6875	5014.027344	4426.337402	13.897461
272035.0938	4996.182109	4413.967265	13.908691
272095.9063	4995.850096	4411.256348	13.940918
272153.1583	4998.333984	4413.273437	13.925293
272210.2813	4997.512695	4449.188945	13.911821
272267.2188	5000.533203	4425.45459	13.888184
272327.75	4998.168457	4432.387695	13.930664
272388.2813	5004.533203	4437.269043	13.919434
272445	5003.212402	4436.502441	13.949219
272501.8125	5001.262695	4428.426758	13.924805

272558.2188	4991.405273	4425.943358	13.932129
272619.2813	4989.111816	4439.075195	13.884766
272675.5938	4990.055064	4428.769531	13.934082
272730.9053	4992.28709	4435.246094	13.90625
272788.3125	4983.158891	4368.917969	13.898484
272845.7813	4995.708984	4407.632324	13.923828
272801.625	4995.339355	4382.116699	13.925293
272958.0825	4998.824219	4423.126485	13.914062
273014.0825	4998.012207	4407.239746	13.980937
273071.0938	4999.689453	4448.140137	13.946777
273132.1563	4998.080078	4420.930864	13.910156
273188.125	5000.289551	4440.69673	13.937988
273245.125	4997.935547	4447.803516	13.930178
273301.875	4996.759277	4486.690918	13.918945
273358.4063	4994.023926	4459.721191	13.907227
273414.5838	4985.344727	4483.057617	13.930178
273471.4083	5002.922383	4452.450884	13.929199
273533.8438	5004.328613	4430.504883	13.932129
273590.5	5005.015137	4442.213379	13.929199
273652.1875	5008.495605	4395.655273	13.925781
273708.1583	5008.562988	4408.836426	13.918992
273764.5313	5004.168845	4408.501953	13.947266
273821	5001.733887	4411.87041	13.929687
273876.825	5001.643088	4428.158203	13.941408
273932.25	5001.052734	4464.771973	13.942871
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274161.75	5002.510254	4427.304189	13.912109
274219.5	5006.870216	4429.540527	13.911621
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274389.5938	5018.352539	4413.455078	13.916504
274446.5625	5012.473145	4431.666992	13.93457
274506.75	5015.332031	4463.104004	13.903809
274563.375	5012.314941	4429.770508	13.952148
274620.0825	5013.306152	4437.828485	13.938985
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274737.7813	5013.427734	4481.574707	13.917988
274795.25	5010.87041	4423.050293	13.982402
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274968.5	5008.119141	4411.105489	13.904785
275026.0825	6007.719727	4412.15332	13.918504
275084.8125	5011.086378	4438.048828	13.891113
275146.1583	5008.571777	4425.747559	13.898484
275202.2813	5012.521484	4438.454102	13.884788
275259.2188	5014.20752	4410.970703	13.902832
275318.4688	5012.030273	4398.858887	13.919434
275374.2188	5012.344238	4400.730489	13.918992
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275804.875	5014.332031	4425.483379	13.932617
275863.4375	5015.42041	4414.798875	13.912598
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275777.8438	5012.937968	4413.947754	13.938865
276888.125	5013.268786	4428.875283	13.92627
275894.5313	5009.975586	4441.316406	13.945801
275855.5625	5008.787852	4458.532227	13.902832
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278071.125	5005.518802	4422.9375	13.935059
278127.7188	5005.70188	4413.758838	13.916882
278184.375	5008.533203	4410.324707	13.908738
278242.3438	5012.985352	4405.834961	13.900879
278303.7813	5015.929189	4425.427248	13.914062
278359.75	5014.075185	4438.734375	13.83457
278418.125	5017.57959	4423.867187	13.907227
278479.1583	5016.476562	4444.356934	13.947266
278538.3438	5013.717285	4403.875	13.904785
278600.2188	5015.010742	4428.182871	13.933584
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278834.3438	5009.91748	4412.588145	13.842383
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277008.8438	5011.98582	4428.712891	13.917969
277084.3438	5012.140137	4436.751953	13.941895
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277238.0838	5013.852539	4434.705078	13.919922
277296.125	5011.173828	4432.088379	13.915527
277353.76	6011.434082	4424.888829	13.912598
277409.9375	5002.873047	4420.584453	13.938477
277466.4375	5003.29541	4435.682617	13.928711
277524.1875	5005.691895	4418.192871	13.87793
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277752.3125	5013.72188	4391.034668	13.90918
277808.25	5014.580332	4446.25	13.916304
277864.8125	5014.277832	4421.826172	13.945312
277922.3438	5014.009277	4425.221181	13.916882
277979.9063	5014.727539	4434.919822	13.892578
278038.375	5014.771484	4421.214844	13.915527
278095.825	5013.700961	4410.087858	13.830884
278158.5	5009.968252	4426.347856	13.953125
278216.9063	5011.423828	4430.377441	13.891602
278273.8583	5012.18043	4445.283945	13.839941
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278442.375	5005.652832	4420.029785	13.91748
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278558.4375	5002.379395	4402.790039	13.853125
278612.4375	5002.123047	4399.578125	13.936035
278668.6563	5000.862306	4424.061035	13.960449
278726.0913	5002.976562	4399.524414	13.948242
278782.6875	5008.48877	4391.612305	13.932617
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278896.125	5010.643066	4394.586428	13.90332
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279248.6875	5012.754883	4412.980449	13.931841
279304.375	5008.650879	4428.743164	13.907715
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279418.0938	5001.288086	4418.632812	13.921387
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279592.4375	5011.151367	4411.186035	13.911133
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279704.9375	5014.074707	4421.980234	13.8375
279765.4375	5013.549316	4459.69043	13.916992
279821.3125	5012.65825	4458.169434	13.938865
279882.4688	5011.925293	4437.841113	13.910845
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279999.8438	5015.983388	4424.920898	13.940918
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280510	5004.17827	4419.505859	13.81748
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280745.8438	5013.895508	4393.454102	13.945312
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280863.75	5017.912598	4428.722188	13.897849
280920.2813	5014.678223	4407.960937	13.898826
280977.875	5017.970215	4430.140137	13.930176
281034.8125	5011.565918	4422.785137	13.915527
281098.8438	5014.048828	4415.391602	13.822383
281152.7813	5006.588844	4394.615723	13.80625
281213.8438	6009.688848	4388.737793	13.913086
281270.25	5009.251953	4422.637207	13.932129
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281442.0825	5004.867227	4428.868886	13.943359
281498.125	5005.67334	4411.187988	13.9375

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281729	5009.685059	4386.604004	13.944824
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282075.625	5015.719238	4455.538133	13.961914
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282183.0825	5010.747559	4396.708498	13.916992
282264.8438	5010.334981	4418.068848	13.924805
282310.8125	5004.203813	4432.050781	13.920898
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282424.9888	5004.290527	4423.360371	13.917969
282485.0938	5008.931841	4428.989258	13.952637
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282603.125	5013.061035	4462.069355	13.920998
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282717.6875	5012.80127	4422.921484	13.927248
282775.25	5018.330078	4445.083884	13.904297
282831.4375	4999.583984	4411.942383	13.916992
282889	5002.411133	4463.881836	13.922852
282945.1563	4997.08668	4477.084961	13.927734
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283057.625	5007.223145	4409.491699	13.921397
283113.7188	5011.805684	4391.494629	13.935059
283170.4375	5013.707031	4414.240234	13.915039
283231.3125	5015.711426	4407.112783	13.901367
283288.7813	5012.816848	4430.305176	13.92334
283350.7813	5016.203813	4408.293457	13.901367
283417.3438	5008.841113	4379.905273	13.957031
283507.5	4999.904297	4413.814453	13.912598
283565.5	5005.08252	4428.581035	13.812988
283621.7813	5002.568406	4408.705566	13.901367
283678.8125	5005.037598	4452.01418	13.988797
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283797.0938	5007.331543	4414.064199	13.938523
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283915.4888	5014.451172	4459.875977	13.924805
283972.975	5018.858887	4459.228027	13.949219
284028.1563	6020.290089	4451.647949	13.918504
284089.4063	5020.890918	4449.947754	13.928711
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284265.7813	4997.397949	4415.86748	13.908738
284324.5	5000.181641	4400.79248	13.90918
284381.5625	5005.426687	4430.671875	13.948289
284439.75	5008.209473	4418.823535	13.945801
284497.0938	5008.328125	4433.19043	13.91748
284553.9688	5012.736328	4449.335449	13.937012

284810.8583	5011.842578	4411.873535	13.929687
284887.5825	5011.791902	4379.896777	13.952148
284729.375	5016.697754	4416.452837	13.946777
284785.9083	5015.87207	4400.568848	13.863281
284842.1875	5016.883105	4438.728518	13.927734
284900.2188	5005.003418	4422.287598	13.88316
284956.25	5003.149802	4433.737305	13.925781
285012.7188	4999.848608	4434.787109	13.883555
285069.9083	5002.808445	4428.024414	13.886484
285131.7188	5007.118652	4411.399302	13.923828
285187.8313	6007.282895	4418.498164	13.908203
285244.25	5012.660645	4405.27832	13.878418
285305.0313	5011.592773	4418.065818	13.924316
285360.2813	5010.228027	4438.852344	13.887207
285418.5313	5014.03125	4410.393056	13.807227
285478.0313	5018.221191	4389.021973	13.85459
285537.125	5005.290527	4408.758301	13.831055
285593.125	5007.174805	4404.01416	13.896973
285650.4063	5002.913574	4428.547852	13.897849
285711.75	5004.181621	4420.525391	13.754883
285768.8875	5002.750488	4428.395508	13.821289
285828.375	5002.163674	4404.556841	13.816016
285885.3125	5008.228027	4409.087402	13.929887
285942.8875	5008.091797	4418.192383	13.931152
285999.375	5010.148437	4420.570801	13.918457
286056.7813	5013.371084	4451.859883	13.801855
286118.875	5015.374512	4481.605489	13.92041
286174.3125	5013.198289	4401.654297	13.907227
286230.4063	5013.375977	4438.196289	13.861328
286288.3125	5018.000488	4467.603027	13.98291
286348.25	5008.168992	4410.015137	13.935059
286403.3438	6001.041504	4442.381818	13.902832
286459.75	5001.932129	4434.121582	13.789531
286520.5825	4998.762695	4433.384531	13.86377
286576.0313	5001.810352	4428.097168	13.797852
286633.8125	5002.361816	4400.270508	13.881838
286689.8438	5006.464844	4427.752441	13.848145
286748.125	5008.328125	4433.880158	13.932817
286804.0313	5013.552248	4432.180158	13.782227
286860.4375	5011.911133	4484.243852	13.838814
286918.5	5011.13916	4466.021484	13.702969
286973.75	5011.649414	4433.204102	13.890137
287030	5015.358887	4431.736328	13.833496
287085.825	5012.518602	4424.116889	13.85752
287142.7813	5014.455078	4443.748535	13.91748
287200.5825	5014.131348	4407.105488	13.930884
287258.888	5013.158888	4434.288088	13.782227
287315	5006.175283	4406.818885	13.877441
287371.5825	5008.010254	4388.025879	13.938477
287429.5825	5008.67041	4384.712402	13.921387
287486.8875	5011.639648	4407.133301	13.907715
287544.375	5013.269043	4384.523926	13.906738

287600.4375	5012.712402	4410.270508	13.927246
287657.25	5014.775878	4410.854785	13.938035
287715.125	5010.981934	4415.725586	13.953613
287771.5313	5013.330586	4427.854004	13.93457
287829.375	5015.419922	4438.385742	13.918457
287886.4688	5017.152832	4433.207031	13.971191
287944.1875	5018.083008	4398.07373	13.944824
288001.2188	5013.114746	4430.833498	13.898437
288063	5007.308105	4408.888672	13.89209
288119.4375	5008.504385	4411.276367	13.931641
288177.1875	5004.179189	4398.575684	13.883281
288234.8563	5002.386211	4418.148437	13.919086
288295.9375	5004.933594	4438.174918	13.91748
288352.5825	5010.828711	4488.829102	13.884043
288413.875	5011.728027	4451.047852	13.928711
288471.5625	5014.463867	4437.316408	13.900391
288528.8875	5015.062012	4436.05127	13.94043
288586.1563	5018.150879	4421.403809	13.947288
288646.8125	5013.487793	4431.523926	13.987285
288702.3125	5018.338379	4488.088824	13.950195
288760.5	5010.050781	4434.8125	13.882402
288816.9375	5011.505371	4412.588426	13.932129
288872.5938	4999.753906	4403.204102	13.953613
288934.1875	5001.498094	4420.717285	13.884277
288990.1583	5005.788555	4417.861328	13.9375
289046.7813	5007.611328	4448.487793	13.945312
289103.0625	5013.772461	4438.218238	13.915039
289165.2813	5013.818358	4388.057129	13.945801
289222.7813	5017.351074	4444.86377	13.949707
289280.4375	5015.75263	4402.547852	13.902344
289336.6563	5018.588428	4426.881818	13.82041
289396.5825	5017.287578	4414.481445	13.918457
289456.7188	5019.418504	4388.507812	13.883379
289521	4987.086426	4441.545898	13.930176
289578.8125	5011.12793	4446.321289	13.892578
289636	5000.709473	4440.878223	13.881836
289691.5313	5005.581787	4465.432129	13.925781
289748.7813	5008.088366	4436.678711	13.923828
289804.625	5009.289551	4437.636719	13.937988
289860.3438	5011.754385	4459.51709	13.915039
289917.7188	5015.227051	4448.820117	13.94873
289974.7188	5017.40332	4391.834473	13.958498
290031.125	5018.105489	4388.580586	13.924316
290089.5313	5017.347656	4415.960449	13.808691
290148.5825	5020.823047	4402.422852	13.961426
290208.125	5018.90825	4422.79541	13.914551
290266.4375	5013.284888	4419.789043	13.954102
290322.9063	5004.131836	4441.872656	13.91748
290380.4375	5004.87334	4434.416982	13.902832
290438.5313	5004.484375	4412.530762	13.941406
290493.3125	5006.504893	4429.245805	13.922334
290549.9688	5008.588359	4448.225098	13.92627

290607.1563	5011.897461	4454.17627	13.944824
290657.5875	5013.06543	4458.960449	13.901387
290725.7813	5018.492678	4402.601562	13.932817
290781.5	5018.719238	4441.258789	13.925293
290837.4375	5017.720703	4431.727539	13.920898
290896.75	5017.305684	4385.416016	13.898926
290954.5938	5020.855273	4436.631348	13.920898
291014.0313	5014.986787	4400.090332	13.903809
291070.5625	5017.81748	4434.39502	13.945777
291127.3438	5017.84888	4381.012895	13.918457
291188.3438	5013.948707	4410.338867	13.908881
291244.3438	5011.80127	4448.771973	13.908203
291302.1875	5011.12207	4429.128418	13.892578
291359.3438	5009.842773	4443.381838	13.898437
291416.625	5007.92041	4428.448288	13.927734
291472.1563	5013.244629	4422.001953	13.901387
291528.6875	5015.738326	4400.912109	13.898973
291584.5825	5020.897288	4454.988582	13.938523
291644.2188	5018.160918	4440.084473	13.881348
291704.4375	5015.581055	4384.649902	13.935059
291763.3438	4996.486328	4405.699219	13.900391
291819.75	5024.237305	4418.519531	13.900391
291879.4688	5019.790039	4424.538086	13.89209
291938.8438	5015.160645	4375.381836	13.898437
291995.9063	5020.220215	4414.273437	13.92627
292054.9688	5018.675781	4365.888718	13.881836
292113.75	5018.413086	4423.712891	13.874023
292173.125	5017.082285	4440.156738	13.921387
292229.7188	5012.102051	4426.252441	13.908681
292286.9063	5010.979004	4424.583496	13.913574
292343.9688	5018.327637	4426.848707	13.942871
292400.75	5013.44043	4476.293945	13.907227
292457.4375	5016.92041	4438.218727	13.906738
292516.875	5020.741889	4438.488328	13.912598
292576.8438	5017.500877	4426.371582	13.918504
292637.0625	5020.281738	4389.155273	13.908738
292693.125	4993.512207	4435.158681	13.928223
292751.9688	5018.688892	4439.416016	13.982891
292812.125	5021.767578	4421.313477	13.899902
292868.7188	5013.216797	4387.286133	13.931641
292925.25	5016.784668	4393.221191	13.921387
292982.4063	5020.72998	4411.852832	13.910158
293042.25	5017.043945	4420.740234	13.918992
293098.3438	5019.386996	4403.00293	13.911621
293157.3438	5014.941895	4426.558152	13.835449
293215.3438	5000.057617	4446.889648	13.90625
293274.5	5018.213867	4446.808657	13.905762
293335.5313	4982.880859	4403.873535	13.931152
293392.1875	4994.523437	4452.443848	13.896873
293449.2188	5022.53125	4408.742187	13.905273
293508.4688	5005.899414	4433.597656	13.935547
293574.1563	4996.000488	4445.839355	13.92041

293830.6563	5025.058584	4480.128485	13.886719
293694.6563	4995.476562	4433.223633	13.906825
293752.0938	5023.784668	4459.317363	13.935547
293611.5825	4990.311035	4414.080078	13.917969
293888.0825	5015.59375	4438.84208	13.947754
293924.5825	5016.873047	4378.671875	13.90332
293981.5313	5019.792968	4418.514848	13.844336
294040.2813	5016.340332	4431.595215	13.934082
294098.5838	5020.087891	4427.977051	13.924805
294152.5825	5021.882324	4398.772949	13.901855
294213.0625	4997.938965	4435.811035	13.833594
294277.875	5005.225098	4448.427246	13.899414
294343.1583	5001.41748	4398.789551	13.80918
294408.875	4999.668406	4431.179687	13.918457
294475.6583	4995.570801	4407.988719	13.9375
294541.6875	5000.418457	4428.818359	13.915039
294608.2188	4991.797383	4413.572288	13.90625
294673.1563	5002.874809	4410.894338	13.950684
294730.875	4995.871084	4386.844531	13.918822
294789.1875	5018.883789	4396.12207	13.922383
294849.125	5015.565918	4415.715332	13.830178
294905.7188	5020.471191	4401.611816	13.883789
294968.7188	4998.442871	4383.818895	13.907715
295030.3125	4996.470703	4404.081055	13.918945
295095.5313	5003.257324	4409.84082	13.918945
295160.7188	5001.310059	4428.528809	13.912109
295225.0825	5005.188477	4408.828711	13.915527
295291.8438	4992.361328	4381.867876	13.959861
295356.5	5004.627441	4426.555178	13.859473
295422.7188	4992.873047	4414.709473	13.839941
295487.6875	4995.472168	4401.010742	13.929199
295544.8563	5018.187988	4393.155782	13.942383
295606.7188	5003.501485	4421.891602	13.918457
295665.5313	5018.519531	4427.801758	13.930664
295722.0825	5006.129395	4395.869829	13.930654
295787.1563	4994.224800	4386.765137	13.932617
295852.875	5002.834961	4419.854004	13.852051
295919.125	5000.1875	4426.099809	13.947268
295984.825	5005.125877	4398.985352	13.931152
296048.25	4996.287363	4376.504883	13.913086
296116.9063	5008.95752	4367.450684	13.838985
296183.4063	4993.353027	4402.027832	13.912598
296248.9375	5005.587891	4410.261719	13.885742
296312.0625	4990.597188	4419.4375	13.932617
296376.75	5002.490234	4409.54834	13.926758
296440.2813	4997.118852	4409.585818	13.887207
296504.875	5007.842773	4410.584941	13.92334
296570.625	4996.986328	4408.781738	13.921387
296635.7813	5003.641113	4397.647461	13.864102
296701.25	4998.979004	4403.088355	13.921387
296765.5938	5001.485352	4445.130859	13.893555
296831.5938	5003.537109	4421.087402	13.889141

296897.5938	4991.592773	4404.760742	13.947266
296963.8438	4994.156738	4416.067383	13.91748
297030.1875	5003.767578	4438.054199	13.921387
297095.8438	4994.459961	4388.73877	13.875977
297182.1875	4998.835254	4344.314453	13.94043
297227.5938	5000.124512	4428.794922	13.919434
297293.625	5005.944336	4415.130371	13.918457
297351.0313	5001.328172	4384.518555	13.95459
297416.76	6000.168504	4406.216309	13.921387
297481.9375	5005.714428	4418.442383	13.934082
297547.4375	4997.056641	4441.897754	13.9375
297613.125	5005.321289	4410.837988	13.878953
297679.4063	4992.385742	4413.637207	13.960937
297745.125	4997.553711	4430.798928	13.949707
297810.0625	4997.840332	4451.781719	13.92827
297876.2613	5003.810547	4454.193359	13.92334
297943.1583	4998.985117	4429.854004	13.924316
298008.675	4996.148928	4413.56543	13.910156
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298141.1583	5006.987773	4404.874805	13.945312
298207.8875	5001.395508	4418.402832	13.952637
298273.125	5001.739746	4423.304687	13.915039
298338.5938	4998.999512	4422.967773	13.949219
298403.8583	5000.449219	4396.53418	13.933594
298470.3438	4985.538621	4401.877837	13.911621
298534.8583	5008.838428	4379.258789	13.958984
298600.6875	4999.298828	4445.213887	13.911133
298665.9688	5018.97168	4435.152832	13.914062
298715	5020.26123	4412.791892	13.859473
298781.5	5007.878883	4414.788088	13.912598
298848.7813	5000.381348	4406.368662	13.925781
298913.0838	5003.247559	4435.597666	13.901855
298979.3438	4997.504395	4404.138672	13.929687
299048.0938	5004.520508	4412.971191	13.928223
299112.5938	4997.785156	4411.983887	13.899414
299177.0938	5005.670898	4430.119629	13.934082
299242.8125	5003.547363	4408.815723	13.923828
299308.2813	4992.304189	4427.279785	13.913574
299373.1663	4992.253908	4403.103518	13.90625
299431.125	5017.770508	4441.543945	13.924316
299498.8438	4996.584473	4418.09668	13.905273
299563.1583	5005.587891	4419.187012	13.885742
299628.5938	5002.350098	4435.949707	13.953813
299694.375	5001.585918	4401.351074	13.916016
299760.625	5002.137207	4385.958984	13.900391
299826.5938	5002.999023	4427.862305	13.924316
299891.7813	4996.483867	4415.010254	13.918504
299956.9688	4997.389629	4397.715332	13.914551
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300087.8125	4996.088406	4423.436523	13.937988
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301077.5825	4999.382305	4443.879004	13.957031
301143.0825	4989.589121	4442.206055	13.914551
301209.5938	5000.475098	4413.083008	13.932129
301275.3125	5003.396973	4412.838867	13.884786
301341.5938	5000.215332	4414.731445	13.924316
301405.4063	5004.541504	4409.485117	13.925293
301471.9063	4995.428223	4431.309082	13.918945
301538.5	5005.568594	4395.907227	13.947286
301604.2188	4987.91748	4409.374512	13.903809
301670.3125	5007.796875	4414.980957	13.972856
301735.9688	5003.791982	4430.75293	13.91748
301791.75	4987.359375	4408.911621	13.948242
301858.4063	5002.248094	4410.888211	13.898437
301917.5625	4990.529785	4433.07373	13.928223
301976.25	4984.848928	4437.558152	13.928223
302033.8438	4988.940918	4447.843282	13.914062
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302151.4063	4995.218309	4430.643068	13.911133
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302264.875	4983.02832	4420.730957	13.907715
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302439.9063	5001.139872	4430.847188	13.890664
302497.4688	5000.891113	4428.143088	13.902832
302553.8438	5002.255371	4455.983887	13.916016
302610.3125	4990.733887	4468.95752	13.927248
302668.3125	4996.452637	4445.109375	13.901855
302724.125	4996.449219	4432.238748	13.92334
302781.125	4993.05127	4424.602539	13.941406
302839	4998.40918	4434.518066	13.927734
302896.7813	5000.685312	4428.519531	13.931641
302952.8125	5000.38623	4435.140137	13.929687
303010.2813	4998.875977	4405.039551	13.958496
303070.2813	4998.719727	4441.731445	13.820898
303127.0825	4999.85332	4409.249023	13.895508
303183.825	5002.913088	4395.048828	13.916016
303243.9375	4999.297852	4427.871582	13.959981
303305.1563	5000.099609	4378.827441	13.918504
303362.4063	5002.201172	4410.021484	13.904297
303423.5938	5003.155762	4433.221191	13.933594

303481.3438	5006.313477	4409.208984	13.955586
303539.0313	5000.650391	4412.72188	13.9375
303595.6875	5001.199707	4443.689941	13.924805
303653.6625	5004.155762	4399.709981	13.946289
303712.25	5003.32959	4414.836914	13.938965
303768.7188	5001.713867	4420.559082	13.913086
303830.125	5003.460449	4396.925293	13.898926
303885.8583	5003.844043	4438.058105	13.918504
303944.25	5008.123047	4443.895986	13.908203
304008.0938	5001.493862	4375.88291	13.927734
304064.6875	5002.753418	4382.929887	13.908738
304121.3438	5003.743164	4410.21875	13.946289
304182.7813	5001.382793	4390.352051	13.907715
304239.4688	5000.717285	4388.268872	13.94043
304296	5003.416504	4402.101074	13.930664
304357.0313	5002.092285	4420.099121	13.940918
304414.8503	4998.781738	4409.428711	13.915039
304471.5938	4997.62832	4447.929887	13.915039
304528.5825	4998.233398	4411.629883	13.928758
304587.5938	4997.038621	4398.729492	13.878906
304644.5313	4998.020508	4445.808105	13.94043
304701.825	5000.393555	4419.131838	13.942871
304758.9063	5001.500877	4419.917969	13.858008
304816	4999.092773	4432.703613	13.901856
304874.2813	4993.111328	4420.994629	13.907227
304930.5938	4996.682617	4426.744141	13.936035
305013.825	4976.49707	4401.299806	13.918922
305073.25	4998.929687	4411.890825	13.883086
305132.125	4996.48584	4397.650879	13.882812
305189.5825	4999.938477	4427.77832	13.932617
305248.75	4988.214366	4411.226582	13.942383
305302.1875	4984.731934	4419.45752	13.921875
305356.3125	4985.832031	4485.422852	13.928223
305415.8875	4981.063477	4439.929687	13.90918
305478.9375	4978.78125	4445.028297	13.917969
305535.625	4988.899707	4458.611818	13.927734
305592.8125	4990.433594	4416.212891	13.916992
305657.4888	4991.588359	4392.123047	13.898926
305721.9375	4999.307129	4390.877539	13.918016
305788.3438	5002.107422	4406.071777	13.922852
305854.0625	5003.157715	4385.484355	13.942383
305928.0313	4994.449707	4381.433105	13.943359
305988.7813	4995.233398	4422.856445	13.935647
306047.5938	4996.582285	4399.633789	13.917969
306104.5	4995.118662	4413.690918	13.939941
306165.6563	4990.794434	4435.23877	13.90918
306222.0025	4988.188945	4423.148973	13.914551
306278.4688	4985.80857	4421.555176	13.918945
306335.5313	4986.041504	4420.352051	13.905273
306392.4063	4986.568848	4408.678711	13.924805
306449.25	4982.201172	4422.149902	13.902344
306505.5313	4985.871582	4418.330078	13.914551

306684.0938	4988.804785	4413.208055	13.944338
306621.125	4989.233398	4383.808105	13.949219
306677.7188	4989.233398	4410.902832	13.955078
306734.4888	4990.890137	4406.017578	13.913574
306790.5313	4992.69873	4379.948289	13.935547
306846.5	4991.033203	4384.010846	13.928711
306902.375	4988.489258	4407.036133	13.898437
306968.9063	4996.884883	4411.85498	13.934082
307033.8438	4987.952837	4418.892878	13.924316
307088.4688	5008.919574	4415.970703	13.902832
307163.0625	4999.178711	4381.888457	13.954102
307229.0313	5005.978027	4417.678223	13.948242
307285.0825	4993.89209	4402.272481	13.931152
307361.3125	5005.102051	4417.270898	13.933584
307426.8125	4997.106777	4413.433584	13.913086
307482.25	5008.206543	4373.487559	13.891802
307558.4888	4997.307129	4435.242187	13.907715
307623.8375	5003.08375	4404.628485	13.911133
307688.5838	4988.108446	4375.484141	13.8943848
307754.875	5002.769043	4394.94873	13.970783
307821.9375	4993.897949	4422.78125	13.910845
307886.625	5007.741211	4409.67334	13.909888
307951.5	5002.186523	4382.674805	13.927734
308018.0313	5005.52002	4418.979004	13.919434
308083.7813	4996.588426	4432.457031	13.92827
308149.7813	5003.250488	4435.08252	13.9375
308216.0938	4997.125	4421.590332	13.95188
308282.5838	5005.325195	4407.938477	13.918892
308347.7813	5000.357422	4395.82888	13.918945
308412.5838	5002.678758	4357.822481	13.91748
308478.9375	4994.448777	4374.515825	13.897949
308543.3125	4998.632812	4380.141802	13.925293
308609.5838	4992.418504	4382.102051	13.987285
308674.9063	4997.710937	4413.189219	13.908891
308737.75	4997.17041	4408.773926	13.938477
308803.1875	5006.119141	4423.473833	13.914062
308868.5838	5000.452148	4429.377441	13.888648
308934.375	5003.037598	4387.612783	13.92334
309000.3125	4996.928711	4405.808445	13.950884
309067.4888	5001.877539	4408.148437	13.918457
309133.125	4998.388184	4415.482402	13.912109
309198.8438	5005.648973	4417.858934	13.923828
309264.125	4997.128395	4428.449219	13.915527
309330.0625	5006.947286	4381.706055	13.918945
309396.3438	4998.128485	4381.10498	13.901387
309462.0625	5007.980449	4388.543457	13.88502
309528.9888	4996.803223	4380.086191	13.913088
309592.4375	5007.981426	4428.235352	13.912109
309658.1875	4994.166604	4403.789082	13.902832
309724.9888	4996.93457	4406.177734	13.948289
309790.125	5000.118852	4419.877441	13.888928
309856.1563	4998.768066	4428.242187	13.949707

309922.1583	4996.009277	4409.001486	13.938523
309987.5938	4996.633901	4419.359863	13.943359
310052.2188	4996.245117	4408.487793	13.910156
310118.2188	5006.553223	4401.340332	13.883789
310183.9375	4989.889941	4967.75	13.884788
310249.6875	5001.833984	4393.041504	13.931152
310315.375	4997.546875	4402.524902	13.916992
310381.825	5000.848633	4402.78248	13.89502
310446.8125	4993.524902	4406.85625	13.888672
310511.1875	5002.977639	4420.28418	13.900879
310577.7188	4998.861328	4415.081035	13.932617
310642.9063	5005.990723	4413.118652	13.93457
310699.0625	4981.887012	4424.920898	13.897949
310756.125	4982.476562	4392.176758	13.902344
310812.0313	4980.388184	4438.412109	13.898928
310868.5313	4980.946289	4423.500977	13.902832
310929.4375	4981.852539	4414.435059	13.907227
310986.5	4992.882793	4447.171875	13.924805
311047.4688	4998.425293	4485.854297	13.925293
311103.8125	4995.98877	4451.253908	13.945801
311159.5825	5001.018088	4450.352539	13.953125
311217.3438	4997.55957	4422.020996	13.932617
311273.4375	4996.45166	4393.206055	13.939941
311331.1875	4980.902832	4416.34668	13.92334
311387.4063	4992.798875	4385.895312	13.937988
311445.2813	4987.858891	4388.581543	13.944824
311507.3125	4987.868629	4413.86748	13.90625
311563.3125	4989.265850	4433.273926	13.909668
311624.8583	4990.802051	4454.467285	13.901855
311681	4993.790527	4475.796875	13.952637
311742.0825	4994.509768	4439.603027	13.941895
311798.1583	4991.939453	4487.280782	13.947754
311859	4989.834961	4427.43457	13.928711
311915.8875	4991.13623	4427.866211	13.913574
311971.5	4992.447286	4458.375977	13.92334
312032.75	4992.785137	4427.998512	13.888926
312088.9688	4997.211426	4441.432129	13.958984
312145.1875	4996.557129	4411.441895	13.91748
312201.8563	4995.005371	4428.902344	13.925293
312258.5	4991.549316	4462.838379	13.894531
312315.2813	4991.890918	4419.784668	13.923828
312372.4688	4983.427734	4419.099121	13.921875
312435.0313	4988.163088	4462.99707	13.921875
312491.2188	4988.098633	4415.220703	13.92827
312552.5825	4988.87394	4419.699219	13.932617
312610.3125	4988.144531	4456.356934	13.943848
312667.875	4988.057129	4408.504395	13.930178
312725.4063	4988.504395	4425.37793	13.908203
312782.825	5000.353516	4394.509277	13.920898
312840.0938	4998.787588	4415.375488	13.954102
312897.0625	5007.012695	4416.770996	13.948242
312959	4998.393555	4393.966309	13.915527

313018.9688	4994.028387	4412.89502	13.951172
313074.5313	4990.922852	4419.730469	13.968238
313130.6875	4994.567871	4418.813965	13.956055
313186.9375	4997.111328	4410.881348	13.878906
313245.75	4994.085918	4419.268068	13.950684
313303.5	4995.34082	4419.519043	13.917969
313364.2813	4991.79248	4436.548875	13.968727
313421.3125	4986.606445	4422.884277	13.950684
313478.1583	4988.135254	4422.473633	13.906738
313536.9083	4988.999023	4417.427246	13.944336
313593.6313	4988.345215	4414.623047	13.905273
313648.9688	4988.521484	4422.227051	13.943848
313705.3125	4982.11377	4437.672363	13.904785
313761.7188	4988.536133	4462.103027	13.915527
313819.9375	4992.280273	4439.699707	13.953613
313877.5938	4991.894531	4421.580586	13.921875
313934.625	4991.044434	4423.163086	13.911621
313996.7813	4990.026855	4426.957031	13.835059
314059.2813	4988.030782	4440.891602	13.904297
314117.5825	4985.314453	4444.225588	13.904785
314175.9083	4981.612783	4430.273437	13.931641
314236.8438	4985.513672	4390.158691	13.902832
314292.9375	4980.355957	4393.171387	13.9375
314349.6875	4991.94043	4414.568848	13.911621
314408.5938	4993.237793	4435.11084	13.927246
314463.9375	4987.73877	4430.053223	13.930684
314520.4375	4995.125977	4425.048387	13.918945
314579.0313	4986.793845	4470.125977	13.919434
314635.8438	4986.958498	4451.912109	13.896873
314697.8125	4986.797852	4425.0625	13.919922
314754.2188	4987.486818	4407.976074	13.896484
314815.1875	4989.858887	4415.453078	13.949219
314872.5938	4982.723145	4397.322268	13.932129
314933.25	4986.948242	4376.734883	13.907715
314988.875	4995.12207	4426.82959	13.95166
315045.9063	4990.783203	4436.612783	13.90918
315103.7188	4984.822266	4419.01416	13.914551
315163.6875	4989.974609	4418.47998	13.895508
315220.5625	4986.919822	4425.11064	13.968282
315278.2188	4988.744829	4419.243184	13.910158
315333.125	4988.696777	4434.978027	13.922383
315390.8438	4982.912109	4453.210937	13.924805
315448.5938	4983.910158	4411.314453	13.932617
315503.25	4983.325195	4442.141113	13.929199
315560.0938	4988.11377	4436.833584	13.902832
315617.4375	4989.004385	4390.153909	13.912109
315672.6583	4988.242676	4391.84082	13.893555
315729.25	4987.49707	4391.246582	13.903809
315789.5825	4990.853809	4425.998582	13.928711
315846.5	4980.494629	4436.975088	13.948242
315903.0625	4991.639648	4460.958984	13.909988
315959.75	4995.430664	4462.97998	13.938841

318016.1875	4988.831543	4432.442871	13.920888
318072.0313	4981.759768	4423.706055	13.912598
316133.6875	4984.564941	4410.343262	13.921875
318190.5938	4986.296387	4403.371094	13.849219
318247.7813	4989.631838	4416.952148	13.913088
318304.875	4984.584941	4415.402344	13.92041
318382.0313	4995.474121	4408.747559	13.932617
316419.8438	5002.216787	4423.700684	13.94873
318476.4888	4990.070801	4432.589355	13.931152
318532.8583	4984.089355	4443.146973	13.82041
316590.4063	4984.864746	4421.999023	13.940918
316646.7188	4987.303223	4416.124512	13.888437
318703.7188	4987.358934	4412.887012	13.915039
318780.4888	4991.887989	4392.887988	13.941895
318817.8438	4995.807715	4410.380825	13.883066
318873.9063	5000.974121	4374.039062	13.942383
318930.5625	5000.706543	4383.913086	13.914551
318987.2188	4981.840825	4404.131898	13.912598
317044.0825	4984.223833	4419.786113	13.90918
317099.9688	4984.374023	4423.847481	13.948289
317158	4988.537109	4419.407715	13.932617
317215.825	4994.088379	4405.883301	13.955078
317272.9888	4995.255859	4470.079102	13.899414
317330.8438	5002.739748	4482.774414	13.939941
317387.125	5005.540527	4429.90918	13.918945
317443.75	4987.058584	4371.160158	13.907227
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317558.8583	4991.953813	4457.05127	13.895996
317615.825	4996.378465	4444.385254	13.896484
317672.2813	4999.700195	4449.817871	13.920898
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317787	4982.871582	4424.483388	13.894531
317844.9063	4983.574707	4405.37207	13.910158
317905.6563	4987.70459	4400.782227	13.899802
317982.0313	4989.78418	4443.8875	13.930176
318018.5313	4993.035158	4417.423828	13.907715
318074.875	4998.88918	4421.538133	13.938477
318131.8438	5000.827441	4423.976562	13.920888
318189.0825	4999.740723	4449.442871	13.953125
318246.9063	4999.296387	4437.456055	13.873047
318303.5625	4985.826172	4446.15918	13.897849
318360.0313	4984.773826	4428.00283	13.911621
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318472.4063	4990.218238	4470.03418	13.881328
318529.5625	4992.524902	4424.521484	13.959473
318591	4995.354004	4414.348633	13.958543
318646.875	4996.087402	4434.282715	13.936035
318708.2813	4998.270508	4428.985332	13.875977
318767.9063	4998.488512	4425.831841	13.92627
318824.9375	4990.160845	4395.549318	13.908203
318881.9688	4990.789551	4424.5625	13.945801
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318999.125	4889.316408	4391.80957	13.914062
319056.5	4991.875	4390.158691	13.87207
319114.125	4994.439841	4401.790038	13.940918
319175.3125	4997.129385	4408.739258	13.946777
319235.8438	4998.802734	4395.725586	13.921387
319291.2813	4997.448269	4382.125488	13.89918
319348.8563	5004.388184	4372.499512	13.960937
319405.1563	4984.355957	4405.768602	13.931641
319462.75	4988.568359	4397.352051	13.908738
319519.5625	4987.818336	4413.371084	13.911133
319576.1875	4991.895996	4427.399414	13.927246
319633.2188	4993.090332	4406.841797	13.937012
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319750.7188	4997.49707	4431.378953	13.918018
319807.6563	4997.84375	4452.109375	13.939453
319863.1875	5003.785158	4396.152632	13.908738
319919.8125	4994.033881	4405.145508	13.942871
319975.825	4987.48291	4440.537109	13.93457
320031.1875	4992.125977	4457.442871	13.909688
320090.3438	4989.838867	4452.421875	13.977051
320148.1875	4991.594238	4414.29834	13.914551
320208.9688	4994.981428	4415.129395	13.913066
320264.4063	4998.230469	4431.875977	13.924805
320327	4998.955078	4427.12207	13.888184
320384.5625	5003.181152	4434.64502	13.912109
320447	5004.556152	4427.04541	13.901855
320508.375	5008.077148	4403.493852	13.909688
320564.825	5000.490234	4388.837482	13.879395
320621.0625	4995.28125	4415.057817	13.946289
320682.5313	4990.978518	4403.018555	13.933105
320739.25	4985.897949	4415.929687	13.905762
320795.9375	4991.856445	4370.312012	13.927734
320851.9688	4991.051758	4385.018531	13.824316
320907.875	4997.355489	4418.728518	13.972189
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321023.7813	4999.714356	4408.691895	13.931152
321083.7188	4999.808105	4387.009766	13.914551
321143.75	4999.531738	4421.520996	13.908891
321203.825	5002.788574	4435.85791	13.948219
321263.5938	4997.552246	4418.078125	13.917999
321323.825	4995.258789	4414.055176	13.885254
321384.0313	4993.979492	4430.889648	13.919434
321444.0313	4993.775391	4418.187889	13.939941
321504.7188	4992.419434	4408.777344	13.918945
321565.0938	4994.389829	4390.029785	13.914551
321625.0625	4998.872559	4368.827837	13.90918
321685.4688	4997.453613	4428.237793	13.937012
321745.8875	4999.108398	4415.468797	13.901367
321805.9375	4994.804785	4419.064453	13.885254
321861.1563	4994.410158	4425.855469	13.94043
321921.4688	4993.451172	4410.77002	13.906738
321981.3438	4989.48584	4420.894338	13.925283

322041.3438	4969.216309	4426.054199	13.921875
322101.825	4994.341309	4415.121582	13.901367
322161.7813	4994.736818	4413.15625	13.939453
322222.2813	4996.846181	4406.797852	13.915527
322282.3125	4997.435547	4406.171875	13.915527
322342.0825	5000.870605	4403.139848	13.914062
322402.4083	4997.529297	4401.186523	13.933105
322462.3438	4994.597156	4383.740723	13.954102
322517.825	4993.23291	4387.195312	13.881348
322577.5938	4990.384766	4386.573242	13.936035
322637.7813	4992.788086	4418.550781	13.929199
322698.1563	4992.474121	4427.188865	13.944336
322758.3125	4994.934082	4439.677734	13.944336
322818.75	4998.780273	4422.487305	13.92827
322879.125	4995.828906	4415.428711	13.88918
322939.5	4996.912588	4435.709473	13.943359
322999.25	4998.18457	4422.78418	13.931641
323059.625	5001.171387	4429.800293	13.899902
323119.875	5000.88823	4435.135742	13.910156
323180.375	4996.850684	4418.881838	13.882578
323240.375	4995.989748	4384.016802	13.915039
323300.625	4993.334961	4430.284688	13.938523
323360.8438	4987.95459	4416.493164	13.928711
323420.9375	4992.182109	4438.793945	13.921875
323480.4688	4993.193359	4436.641113	13.928223
323540.375	4992.001465	4426.929199	13.87207
323600.5	4996.34868	4421.557129	13.927734
323660.876	4999.564453	4395.257324	13.930176
323721.3125	5001.459981	4387.880371	13.914551
323781.4688	5000.550781	4423.100586	13.909668
323841.875	4998.398484	4408.52002	13.938965
323902.125	4998.031738	4400.079102	13.911621
323962.375	4989.717773	4440.273928	13.927734
324022.5	4990.88916	4397.420898	13.940918
324082.5625	4989.916992	4412.228027	13.94043
324142.9063	4994.578813	4442.814941	13.90625
324197.9688	4997.858203	4422.184082	13.936035
324258.1563	4993.634766	4418.828172	13.915527
324318.1875	4998.783672	4399.139648	13.944824
324378.5313	5001.298875	4403.989258	13.925293
324438.875	5007.345215	4401.722188	13.938035
324498.8438	4992.950195	4404.675781	13.932129
324558.7813	4995.891802	4405.288551	13.917989
324619.1875	4987.307129	4402.483379	13.913068
324678.9688	4991.986328	4391.496094	13.910645
324739.125	4993.541992	4414.416016	13.948242
324799.5	4995.934082	4385.110352	13.943359
324859.5625	4998.479492	4399.121582	13.918457
324919.8125	5001.109375	4406.962891	13.947754
324979.9063	5002.780742	4379.919822	13.894043
325039.7188	4999.73291	4408.520508	13.95166
325100.1875	5001.218727	4423.775879	13.949219

325155.5	5003.07959	4412.23291	13.921387
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325271.25	4995.196777	4392.875	13.916016
325331.5	4991.307617	4414.966309	13.902344
325391.3125	4993.28709	4430.405273	13.911621
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325511.125	4995.512207	4418.270998	13.959473
325571.5625	4998.201172	4425.490723	13.902344
325631.875	4997.927246	4423.393088	13.92041
325691.5313	4996.52002	4412.870117	13.918922
325751.9663	4996.475568	4404.583984	13.932617
325811.9688	4998.413068	4403.976562	13.987695
325872.2813	4991.699219	4387.389629	13.914551
325932.9688	4998.899902	4384.805864	13.920698
325988.3438	4995.437012	4384.905762	13.929687
326048.5	4993.405273	4373.879395	13.931152
326108.4375	4995.075684	4398.222656	13.926758
326168.5625	4996.075684	4404.868164	13.942383
326228.0625	4998.409668	4372.735962	13.939941
326288.375	4994.520508	4425.714844	13.914551
326348.0313	4998.583008	4423.050781	13.932129
326409.125	4998.124023	4410.283457	13.92041
326469.5313	5003.479004	4373.177248	13.941895
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326829.8125	4993.192871	4407.071777	13.916504
326890.25	4994.90918	4392.494141	13.962402
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327005.8438	4997.140625	4427.838867	13.905762
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327185.8438	5000.092773	4435.749512	13.924316
327248.0313	4999.960937	4364.043457	13.912598
327305.9375	4995.93457	4383.105489	13.89502
327366.375	4990.63823	4351.148973	13.899414
327426.1563	4998.607422	4389.603027	13.87207
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327548.3438	4995.861816	4405.040039	13.950195
327608.5	4998.5	4410.283691	13.922383
327668.1675	5000.242187	4415.874316	13.920898
327728.2188	5000.547852	4418.79541	13.938885
327785.9688	5003.976586	4430.899512	13.92334
327841.3438	5001.205586	4385.575195	13.92627
327898.6875	4996.830371	4408.466309	13.90625
327952.0313	4996.465332	4391.818359	13.927734
328012.125	4999.488818	4378.433105	13.930664
328072.1875	4990.319824	4378.839844	13.917969
328132.1583	4995.425293	4382.972168	13.944336
328191.9063	4994.114746	4388.812988	13.954102

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328371.375	5000.658203	4450.260742	13.89502
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328551.625	4990.426758	4371.780762	13.967773
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328667.1875	4991.902344	4404.515187	13.913574
328727.2188	4994.57373	4434.591797	13.930864
328787	4996.443359	4420.00289	13.988268
328846.8875	5000.074219	4400.546387	13.935547
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329027.1563	4999.210449	4433.138184	14.034868
329088.8875	5003.658203	4401.57373	14.024902
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329208.7188	4988.184082	4412.563965	14.15332
329268.8438	4985.105957	4415.181841	14.002441
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329388.7813	4992.374023	4370.654297	14.073242
329448.8875	4995.394043	4400.685527	14.01123
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329568.8125	5001.158203	4428.321777	14.015625
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330289.125	4990.033203	4410.641682	14.060547
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330949	4985.128418	4413.42627	13.967285
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331129.2188	4997.015625	4415.153809	13.893066
331189.7188	5001.835937	4454.994629	13.931641
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331790.1875	4991.876977	4420.228633	13.931641
331850.7188	4989.455078	4457.852832	13.942871
331910.75	4988.572268	4387.851855	13.942383
331970.875	4987.544434	4401.527832	14.008789
332031.3125	4991.107422	4401.630859	13.912109
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332206.8438	4988.305176	4425.208981	13.904297
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332326.0938	4993.098833	4429.180176	13.9375
332386.4375	4995.116699	4410.647949	13.928758
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340542.6875	4987.143066	4408.096191	14.038574
340599.9888	4988.884551	4408.027832	13.818457

340656.5938	4989.210937	4414.286821	13.924805
340716.2813	4989.777344	4429.769531	13.874512
340775.1875	4995.778297	4400.515137	13.989727
340831.5	4989.188453	4379.282685	14.189922
340888.8438	4990.04248	4372.220703	14.058106
340948.1875	4998.07686	4397.216797	14.156738
341005.125	4994.783691	4405.522949	14.11377
341062	4995.821777	4419.085937	13.938523
341119.125	4998.837891	4402.454102	14.088824
341175.8125	4994.064453	4405.017578	14.142578
341233.2188	4992.487793	4398.316406	14.186035
341291.1583	4983.411133	4375.541992	14.187012
341347.5313	4997.273437	4391.181641	14.141113
341404.8438	5003.352051	4413.156738	13.975586
341463.8125	4998.837988	4420.456055	13.95186
341520.4375	4984.082773	4404.101582	14.049318
341578.4375	4990.788086	4377.44873	13.915039
341638.25	4989.533203	4408.887012	14.09668
341693.3438	4983.291992	4405.211428	13.970703
341750.25	4993.990723	4434.609889	13.950684
341807.8875	4995.444338	4444.321777	14.119141
341864.2188	4996.3125	4458.584981	14.091797
341921.375	4998.088406	4422.839844	13.878582
341978.1875	4997.149802	4458.42627	14.128906
342036.75	4996.814062	4421.924805	14.137695
342094	5001.872363	4401.52002	14.145996
342152.825	4999.632812	4375.308584	14.180864
342210.4063	4987.077637	4416.42041	14.181641
342267.4063	4990.230469	4418.242187	14.030273
342324.8438	4985.195801	4388.083008	14.09375
342388.3125	4991.34082	4388.679199	14.162598
342441.75	4991.794434	4399.282227	13.98291
342499.5	4994.035158	4384.053223	13.918992
342558.5313	4997.450195	4389.137695	14.071289
342616.0625	5001.429199	4414.624512	14.060283
342674.0938	4997.266602	4399.560059	14.151367
342731.6563	4989.157715	4430.482422	14.082227
342788.7188	4991.048675	4420.102539	14.064841
342844.375	4988.61084	4393.6875	13.934082
342901.7188	4993.180178	4398.294922	14.046898
342960.1563	4992.088428	4378.16748	13.939453
343017.6563	4995.727539	4392.852324	14.042989
343075.875	4994.987559	4378.755859	13.94873
343133.3438	4986.693848	4358.391119	14.138719
343192.1583	5000.438865	4391.243652	13.955078
343249.0825	5001.27002	4368.422363	13.945312
343307.75	4994.050293	4408.994629	13.994629
343364.5938	4993.292969	4395.929887	14.001953
343421.6563	4990.90332	4387.75293	13.982187
343480.375	4990.524902	4420.782715	14.188992
343538.75	4990.846191	4420.266602	14.129395
343598.5938	4991.571289	4384.552248	13.931152

343854.2188	4994.677248	4390.758836	13.981445
343712	4994.544922	4387.869141	14.084727
343768.825	4998.572754	4412.243184	14.153808
343824.6875	4996.820117	4420.444824	14.001853
343881.5938	5001.807617	4394.588379	14.075195
343939.5	5000.758789	4403.58252	14.102051
343997.5825	4999.45168	4422.879883	14.108396
344055.625	4993.827148	4432.989512	14.000488
344115.4375	4985.041892	4425.805782	14.057129
344173.9063	4987.860352	4391.470703	14.068848
344231.8125	4991.857227	4398.213379	14.0825
344288.25	4988.483887	4407.804492	14.056641
344346.3438	4995.388719	4389.374023	14.111084
344405.4083	4994.058594	4403.861914	14.123535
344462.8888	4993.506371	4383.444338	14.060547
344521.825	5000.898379	4411.676758	13.958008
344582.3438	4995.179687	4433.378908	14.009766
344642.0625	4992.907715	4422.735352	14.005371
344699.7188	4996.404287	4418.353516	13.889902
344758.4063	4996.054189	4411.054189	14.005371
344816.5625	4995.372559	4448.529785	13.964355
344874.0938	4991.585449	4423.021973	13.912598
344934.8583	4993.071777	4415.255371	13.890825
344994.0313	4993.85459	4387.312888	14.013184
345053.8438	4996.325195	4387.07373	14.072754
345111.75	4998.588624	4401.878418	13.950195
345170.8438	4994.835058	4374.973145	13.97998
345229.5313	4996.258348	4385.08375	13.882891
345288.5	5001.812793	4391.791504	14.097658
345346.5938	4999.296367	4384.247559	13.844824
345405.4688	4993.728562	4388.000977	13.904785
345464.3125	4998.889848	4384.624512	13.827246
345521.4375	4982.257324	4386.588844	13.900391
345578.375	4989.526367	4382.15332	14.085818
345635.5938	4991.21875	4404.862588	13.984375
345693.8438	4996.171387	4411.947266	13.97168
345749.75	4995.521484	4408.498047	13.948777
345808.2813	4998.998525	4438.026855	14.00293
345864.3125	5000.318555	4381.662596	13.918457
345922.375	5004.513184	4389.455078	13.902832
345979.1563	4995.978027	4388.503906	13.941406
346037.7188	4994.824023	4400.829102	14.137685
346096.9063	4991.303223	4425.872559	13.991211
346155.0825	4993.130371	4459.178758	14.041504
346212.4375	4996.490234	4389.984375	13.986797
346268.3125	4995.857227	4421.70166	13.948289
346325.1875	4989.293457	4411.088379	13.919922
346382.125	4996.951172	4390.519531	13.962402
346439.8563	5003.891211	4404.481428	13.907715
346496	4998.128418	4418.416018	14.018086
346554.75	4996.01709	4411.547852	14.088848
346612.375	4996.363281	4405.052248	14.044434

348868.375	4992.548828	4412.803223	13.903809
348725.0938	4993.314453	4386.678711	13.893088
348783.5313	4991.488535	4384.248023	13.870215
348841.8875	4997.395508	4405.830078	14.054687
348899.4375	5002.268066	4397.741211	14.157227
348957.8563	5001.344238	4372.524902	14.108027
347015.8125	5002.817989	4379.157227	14.180158
347072.875	4998.388899	4389.150879	14.093282
347131	4987.733398	4439.768555	14.118184
347188.4375	4989.42627	4470.498535	14.108853
347246.5313	4992.906738	4425.947754	14.044822
347303.7813	4996.358398	4411.557129	14.074707
347361.9888	4998.331543	4385.693368	13.995117
347420.2813	4996.418457	4408.581797	13.995117
347479.7188	4997.989727	4384.180884	14.125
347538.4375	5001.779297	4407.248094	14.085937
347594	5003.753906	4428.849414	14.125488
347651	4995.755859	4400.115723	13.941408
347707.5625	4990.49707	4371.518555	13.904785
347785.9888	4991.500468	4390.322754	13.979004
347823.2813	4994.781738	4404.874316	14.059857
347880.8438	4996.853027	4395.293945	13.974121
347939.9375	4996.970215	4414.905273	13.935059
347997.8125	5003.257324	4399.505858	13.944336
348055.8125	5001.868898	4443.411621	13.933584
348118.0625	5001.478027	4387.884473	14.066406
348173.7188	4999.908891	4393.179687	13.924316
348234.0625	4992.795898	4414.354004	13.95166
348294.4375	4992.817878	4402.389802	13.990723
348354.5313	4991.488281	4410.897481	13.953613
348415.1563	4992.048318	4407.588408	13.922383
348475.25	4994.188219	4420.188477	13.958498
348535.5	4998.588426	4414.105488	13.887207
348595.3438	4993.647481	4435.479492	13.924805
348655.2813	4998.813477	4395.910645	13.936036
348715.25	4999.911133	4423.472656	13.933594
348775.1875	4997.978562	4388.880859	14.005859
348835.5625	5002.893884	4407.882783	13.912109
348890.875	5001.136718	4408.683498	13.97168
348951.126	4992.070312	4421.452637	13.989746
349010.8688	4989.483867	4431.733887	13.909658
349071.1875	4993.988328	4390.275879	13.924805
349131.1875	4991.380371	4385.508789	13.932128
349191.125	4993.844238	4414.157227	13.946289
349251.0938	4997.560781	4428.032227	13.934082
349311.4375	4998.209473	4419.198242	13.893555
349371.4089	5001.289414	4411.825977	13.925293
349431.5	5002.51123	4384.808398	14.035158
349491.5838	4995.750977	4425.310059	13.983398
349551.8875	4995.263672	4382.617187	14.029297
349607.0313	4998.477539	4389.963887	14.005371
349667.2188	4994.889848	4398.083498	14.085448

349727.5838	4992.528855	4458.760254	14.081055
349787.9083	4992.854492	4428.23291	14.005371
349848.3438	4998.503418	4408.575684	14.14209
349908.1875	4991.45168	4392.805684	14.132812
349968.625	4996.272949	4435.375488	14.180645
350028.625	4996.576172	4423.828125	14.09375
350088.5938	4998.888672	4424.919434	14.091797
350148.7813	5004.217285	4382.80127	14.146508
350208.5313	5002.861621	4373.131836	14.13916
350268.8125	4990.67334	4413.408891	14.074707
350329.1875	4988.210449	4436.554199	14.118852
350389.375	4990.757812	4425.541016	14.127441
350448.8375	4984.284434	4412.083496	13.889902
350509.25	4984.544922	4414.980489	13.968816
350569.5	4985.018088	4456.250977	14.109883
350629.3125	4997.724609	4452.032227	14.129883
350689.125	4996.168457	4448.682129	14.17827
350748.9688	5001.028809	4435.98582	14.152344
350808.6563	4994.80332	4408.181406	14.147461
350869.0313	4986.019672	4412.556641	14.087168
350929.5313	4990.482402	4430.859863	14.175781
350990.2188	4990.545898	4424.855762	14.129395
351050.5625	4992.679189	4408.389902	14.118164
351110.5625	4992.679189	4418.892187	14.147461
351170.0838	4985.185312	4415.391802	14.148437
351230.3125	4984.713379	4410.179199	14.07886
351290.5313	4989.880352	4394.851367	14.146484
351350.8125	4984.215332	4447.853516	14.157227
351411.25	4994.582773	4430.893555	14.15918
351470.7813	4989.618652	4400.136719	14.031738
351531.1875	4991.580059	4430.586426	14.118852
351591.25	4984.334961	4437.745117	14.018531
351651.2813	4988.538574	4429.906738	14.002441
351706.6875	4982.488281	4442.080078	13.878582
351766.5625	4985.780273	4435.582031	13.984141
351826.7188	4997.838844	4433.454102	14.10791
351886.5938	4998.882812	4435.135742	14.108887
351946.25	5002.823242	4420.720215	14.024802
352001.825	4988.741211	4438.571289	14.07373
352061.5	4989.753906	4417.208496	14.09668
352121.5313	4988.85498	4384.720215	14.094238
352181.6875	4993.088914	4443.479492	14.102539
352241.8438	4993.461014	4431.179687	13.980937
352301.75	4998.49707	4420.372559	14.157227
352361.5	5000.157227	4419.774414	13.914551
352421.2813	5002.887207	4407.741899	14.025391
352481.6875	4997.339844	4436.777832	14.118682
352541.7813	4994.835426	4453.785156	14.067383
352601.9375	4985.196719	4429.024902	13.925293
352662.3438	4985.87627	4409.304199	13.933594
352722.8438	4986.42827	4431.756348	14.008301
352783.0313	4993.148828	4385.105957	13.906581

352842.6875	4999.529297	4398.229482	13.898437
352902.6875	4997.816889	4390.821289	14.12207
352963.0313	5000.729492	4428.087891	14.153809
353023.3438	4997.821777	4382.313865	14.151855
353078.625	4998.789531	4393.235352	14.141113
353138.0313	4991.757812	4407.872852	14.131836
353188.875	4988.982422	4397.744141	14.049805
353258.7188	4992.75293	4378.375977	14.125977
353318.6875	4988.918016	4379.812305	14.033203
353378.5313	4988.81084	4410.474609	13.939941
353438.625	4987.912588	4427.844043	14.119829
353498.3438	4989.838867	4428.582031	14.162598
353558.5625	5000.242878	4423.403809	14.13916
353618.7188	4990.988047	4434.643555	13.920898
353678.4688	4989.442383	4397.114746	14.128535
353738.8125	4992.544434	4404.442871	13.982187
353798.75	4994.59375	4423.169434	14.000977
353858.8438	4994.143068	4408.290527	14.135742
353918.4375	4986.795898	4400.586895	14.130859
353978.4083	4989.30857	4436.585449	14.077148
354038.9063	4989.198242	4429.855273	14.162598
354099	4989.345215	4412.337402	14.135742
354159.0938	4998.678223	4426.284848	13.973833
354219.0938	4998.98877	4425.942871	14.102051
354279.0625	4996.442383	4448.14208	14.15332
354338.875	4992.872852	4440.498535	14.07959
354399.1875	4994.587383	4475.45752	14.123047
354454.4375	4994.083008	4458.842578	14.081055
354514.3125	4991.340332	4439.053223	14.098145
354574.2813	4989.958861	4460.654785	14.12793
354634.125	4993.375	4435.234863	14.012207
354684.25	4992.895801	4426.438941	14.084668
354754.5938	4988.5	4412.90332	14.18748
354814.25	5000.127441	4439.070801	14.148873
354874.9375	5000.088914	4402.728562	14.157227
354935.2188	5001.17041	4393.689453	14.148437
354994.9375	4997.333884	4418.08375	14.123535
355054.8875	4997.918457	4434.578125	14.180176
355115.0825	4997.236816	4397.137885	14.144531
355178.4688	4992.872383	4439.219727	14.177734
355238.5	4994.743184	4439.338426	14.023826
355298.0938	4992.747559	4432.339365	14.171875
355358.5	4993.205078	4410.775391	14.12793
355418.7188	4992.087402	4408.044434	14.128908
355478.8438	4996.081055	4420.685547	14.021484
355531.0625	4993.075884	4396.872383	13.98877
355591.3438	4988.723145	4417.203125	14.150391
355651.2813	4991.584473	4388.148437	14.141802
355711.2813	4990.402832	4379.08543	14.158891
355771.5313	4994.452637	4407.922852	14.101562
355831.8125	4995.310547	4370.327148	14.138719
355892.125	4998.381838	4413.89043	14.125977

355852.6825	4989.688434	4409.980448	14.109883
356012.6583	4991.859863	4425.389141	14.111328
356072.6563	4991.164062	4414.095703	14.117676
356132.4375	4992.545898	4378.585703	14.14209
356192.1875	4991.758788	4400.383301	14.053223
356252.2188	4994.025381	4402.036821	14.133789
356312.6583	4994.681641	4393.422852	14.052734
356372.75	4997.837881	4353.589121	14.177246
356432.7188	4994.727538	4430.442383	14.148414
356488.125	4995.848145	4375.180684	14.150381
356548.5313	4995.378853	4403.499512	13.964844
356608.7188	4995.870688	4455.545888	13.916016
356668.5838	4997.838872	4421.846484	13.905273
356728.0938	4993.458078	4448.680176	13.998535
356788	4997.868457	4455.880859	14.144043
356848.7188	4999.832129	4408.891802	14.019043
356910.0313	5000.424805	4387.229482	14.183088
356970.0825	4998.838914	4371.737305	14.082031
357029.5	6000.032227	4360.522948	14.080069
357089.4063	4990.302246	4383.244141	14.134786
357149.5	4891.444824	4414.787109	14.109375
357209.875	4893.002441	4408.541892	14.124023
357270.0313	4894.741211	4388.188477	13.878582
357329.9063	4898.911821	4403.53125	14.09082
357385.1875	5001.071289	4436.708543	14.078102
357444.8125	5002.115723	4439.245117	13.931841
357504.8375	5005.196801	4402.913574	14.168892
357564.8583	5002.594238	4435.841113	13.977051
357625	4898.877051	4436.142578	14.177734
357685.1875	4999.85188	4385.238748	14.128883
357745.3125	4894.177734	4429.385723	14.150381
357805.25	4896.958543	4398.071777	14.149902
357865.375	4895.478582	4398.588824	14.118889
357925.8125	4898.782207	4421.880158	14.158888
357986.125	4883.568895	4439.084238	14.077148
358046.3125	4998.51123	4402.472188	14.160156
358106.4375	4999.000488	4428.73877	14.135742
358166.7188	5003.437012	4454.443848	14.165527
358228.3125	4892.504883	4435.981834	14.130371
358288.375	4894.258788	4430.822754	14.14502
358348.5938	4995.133301	4423.395508	14.142578
358405.8125	4891.106834	4418.347188	14.030782
358465.8688	4898.338887	4445.238258	14.132324
358528.2188	4895.881838	4441.713379	14.121084
358586.4688	5002.403809	4400.788821	14.095215
358647	5001.30127	4383.872559	14.032715
358707.3438	4885.702148	4421.287109	14.069824
358767.4063	4888.880918	4408.185547	14.078813
358827.5888	4882.141802	4380.858473	14.151855
358888.0938	4882.587871	4401.128485	14.047383
358948.5825	4894.510254	4400.248535	14.033881
359008.8583	5003.837109	4411.591388	14.148414

359068.2188	5001.241699	4408.634277	14.156738
359128.1875	4998.81377	4397.834981	14.088887
359188.1563	5001.761719	4401.936035	14.097656
359248.375	5003.875	4418.527832	14.083884
359308.8438	4994.681152	4405.888523	13.934082
359368.5938	4983.045886	4391.431152	13.983887
359428.825	4995.925293	4429.854297	14.141113
359488.8583	4999.095703	4413.933105	14.158203
359548.2813	5000.475588	4410.702837	14.168504
359608.375	5002.323242	4388.57959	14.091309
359668.3438	5001.616211	4359.583496	14.050781
359728.2813	4886.811816	4389.468262	14.070312
359788.5313	4983.071289	4450.348145	14.122558
359849.1875	4983.32959	4437.753418	14.104492
359909.5313	4983.697266	4421.245605	14.095215
359969.625	5002.808887	4432.206055	14.141802
360029.9083	5004.129395	4426.945312	14.154785
360090.25	5006.543845	4405.755371	14.14602
360150.6875	5009.708543	4391.309082	14.192871
360210.7188	5009.871582	4375.297363	14.143066
360271.125	5006.174805	4398.802248	14.151367
360331.2813	5001.504385	4401.298387	14.153809
360391.0313	4997.557129	4405.988281	14.17627
360451.2188	4999.688477	4440.218282	14.185039
360511.4888	5001.374023	4424.881348	14.047393
360571.8375	5003.841787	4384.387948	14.125877
360632.0313	5005.505371	4388.828758	14.160156
360692.125	4996.852637	4389.918434	14.178223
360752.8875	4998.104004	4428.81748	14.198219
360812.9888	4999.301127	4430.779785	14.15625
360873.0938	4998.263672	4435.521973	14.162598
360933.3125	4999.216309	4403.158203	14.176758
360993.75	5001.818338	4397.288602	14.142578
361053.5313	5001.581055	4396.708961	14.15332
361113.5825	5000.648828	4408.258789	14.143066
361173.5	4888.771873	4420.57373	14.126465
361233.375	5002.722168	4397.932817	14.162598
361293.6563	5004.248047	4443.467773	14.164062
361353.8125	5003.298805	4398.117187	14.164082
361413.7813	4983.824023	4387.090332	14.114268
361474.0313	5000.109883	4436.273437	14.157227
361534.0825	5002.251953	4413.711428	14.150879
361594.0313	5006.106445	4415.238816	14.127441
361654.2813	5005.271484	4393.019531	14.121084
361714.4688	5006.714355	4381.615723	14.125488
361789.8125	5001.488727	4417.400878	14.117876
361829.875	5003.632324	4391.871094	14.135254
361889.4083	5001.87783	4387.48877	14.128418
361949.4688	4996.188985	4426.844727	14.064453
362009.9375	5003.490234	4388.236328	14.112783
362070.0938	5000.513184	4408.891802	14.128485
362125.375	5003.763418	4407.942383	14.10791

362185.625	5009.011719	4984.083984	14.178223
362245.2813	5008.023928	4985.628806	14.184551
362305.2813	5006.180176	4433.094238	14.157227
362365.2813	5002.026856	4407.859863	14.143066
362424.7813	4999.674805	4410.424318	14.190918
362480.0625	4998.704102	4408.947268	14.191895
362540.1875	4998.549805	4398.184082	14.148873
362600.0938	5005.257812	4415.374512	14.174318
362655.4063	5009.727539	4401.97998	14.154297
362715.375	5008.683105	4389.929199	14.153809
362775.25	5008.513184	4407.923828	14.180178
362835.5625	5006.169434	4406.789062	14.161133
362895.8438	5003.348633	4384.355489	14.15625
362956.1583	5001.396464	4402.183066	14.124512
363016.6	4995.615234	4406.021484	14.162598
363075.9375	5000.377441	4409.802051	14.138672
363135.8438	5007.385742	4432.905762	14.168945
363196.25	5007.895117	4434.384748	14.175293
363256.125	5008.144043	4427.321289	14.166992
363315.8688	5013.813686	4988.583788	14.140625
363376.5625	5010.694824	4395.304199	14.148437
363436.6875	5001.692871	4387.544434	14.186018
363496.8583	4992.643555	4397.009277	14.177246
363556.7813	4998.114258	4387.181152	14.168845
363616.5	4999.84375	4377.310547	14.179687
363676.6563	4998.520508	4352.243184	14.138672
363736.4888	5005.819336	4383.039082	14.108934
363796.6888	5008.879004	4378.878516	14.154785
363856.8125	5010.584981	4425.948242	14.158691
363916.4063	5013.683105	4401.284648	14.144531
363976.7188	5008.702837	4377.308105	14.184062
364036.75	5010.762207	4383.088406	14.167968
364096.75	5008.254883	4358.477051	14.143555
364157.1875	5005.32373	4393.838453	14.150679
364217.5938	5005.291018	4441.871084	14.178711
364277.8438	5008.44043	4411.634277	14.123535
364337.625	5005.099121	4387.790527	14.158888
364397.5	5005.48684	4402.474809	14.156738
364452.75	5010.80127	4406.713867	14.152344
364512.375	5008.422852	4395.87898	14.17627
364571.8125	5010.79541	4420.950185	14.169434
364631.4888	5008.414062	4378.384786	14.114746
364691.8125	5004.515625	4398.131348	14.13623
364751.875	5004.406738	4384.240234	14.143068
364811.6875	5005.797363	4415.172852	14.192871
364871.5938	4999.022949	4415.384788	14.138648
364931.375	5002.858891	4410.487793	14.174316
364991.4888	5005.274902	4401.841797	14.157715
361011	5000	4388.884551	23.1
361067	5000	4419.112905	23.0
361123	5000	4414.893359	23.0
361179	5000	4398.677734	23.1

361235	5003	4402.405273	23.0
361281	5000	4420.848826	23.0
361348	5001	4402.885234	23.0
361404	4999	4402.108934	23.0
361460	5004	4384.222656	23.0
361516	4999	4380.14209	23.0
361572	5000	4389.883086	23.1
361629	5001	4407.921387	23.0
361685	5002	4405.088633	23.0
361741	5001	4383.880137	23.0
361797	5003	4381.79248	23.0
361853	5001	4367.960937	23.0
361909	5003	4389.200684	23.0
361965	4997	4410.404297	23.0
362021	5002	4370.516602	23.1
362077	5003	4382.85791	23.0
362133	4999	4378.797852	23.1
362189	5003	4388.373535	23.0
362245	5005	4371.028809	23.0
362301	5002	4381.124023	23.1
362358	5006	4413.645508	23.1
362414	4999	4387.858887	23.0
362470	5001	4382.918945	23.0
362526	5001	4421.845703	23.0
362582	5003	4372.67627	23.0
362638	5002	4360.064453	23.0
362694	5004	4398.507324	23.0
362750	5000	4401.833008	23.0
362806	5008	4388.457031	23.0
362862	5005	4371.771484	23.1
362918	5002	4382.047363	23.1
362974	5002	4374.484375	23.0
363030	5000	4383.51418	23.0
363086	5000	4384.984355	23.1
363142	5003	4353.008836	23.1
363199	5002	4351.727051	23.1
363255	5004	4404.122559	23.1
363310	5003	4411.846181	23.1
363366	5002	4388.14502	23.0
363422	5002	4354.239258	23.0
363478	5000	4382.122559	23.0
363534	5006	4379.318336	23.1
363591	5001	4377.414062	23.0
363647	5006	4382.088379	23.0
363703	5003	4383.625	23.1
363759	5000	4385.824707	23.0
363815	5006	4367.585937	23.0
363872	5000	4374.385886	23.0
363928	4997	4418.228492	23.1
363984	5004	4425.109375	23.1
364041	5001	4403.939941	23.0
364097	5003	4382.117676	23.0

384153	5003	4389.828613	23.0
384208	4999	4405.803027	23.1
384284	5000	4408.85498	23.2
384320	5005	4379.11084	23.1
384377	5002	4398.381838	23.1
384483	5008	4390.31543	23.1
384489	5002	4372.553223	23.1
384546	5003	4371.799805	23.1
384602	5003	4375.132812	23.1
384857	5005	4389.222656	23.2
384713	5006	4379.255371	23.2
384770	5007	4399.748047	23.0
384825	5002	4421.533203	23.0
384881	5001	4380.015137	23.2
384937	5004	4391.024902	23.1
384984	5004	4381.894336	23.2

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Sample 5 2R 5hz ±5mm 23g No Lubr 1mA 12V o.c. 365K cycles 10 sec trigger no Intermit section

12/18/2002

2:28 PM

cycles	Stage	Amplitude	ohms	Nforce
157264.672	5018.537596	4432.991699	13.70752	
157333.718	4994.253418	4431.819824	13.86918	
157394.869	5018.810156	4459.043945	13.696777	
157455.25	5018.980469	4456.953613	13.530273	
157515.938	5014.445801	4488.114258	13.662598	
157576.576	5018.405273	4445.140137	13.695601	
157633.816	5021.124023	4432.262695	13.704102	
157689.516	6017.686289	4460.627441	13.703125	
157749.261	5005.903809	4444.208008	13.696777	
157805.391	5023.672852	4454.418016	13.54541	
157861.531	5015.545898	4462.178711	13.688504	
157917.047	5019.865332	4444.812305	13.676758	
157978.438	5019.330078	4461.189453	13.524902	
158034.063	5015.238328	4424.708961	13.604004	
158089.484	5015.90332	4442.025381	13.684082	
158145.576	5013.929199	4445.887481	13.638672	
158206.484	5017.488268	4464.168457	13.687012	
158267.984	5013.181641	4462.801758	13.649902	
158324.25	5015.388672	4483.123047	13.688865	
158381.297	5013.399414	4481.802539	13.651855	
158437.453	5011.343262	4452.883584	13.657716	
158499.469	5010.490723	4478.530273	13.697754	
158556.084	5010.611328	4452.291504	13.683105	
158616.938	5010.975088	4456.416504	13.674805	
158672.881	5013.610742	4462.314463	13.647949	
158728.797	5012.722856	4450.895312	13.708496	
158784.672	5007.40825	4466.000877	13.628395	
158841.031	5010.328172	4481.418892	13.691895	
158892.359	5008.458543	4463.404297	13.708984	
158952.859	5009.168504	4439.187012	13.682129	
159025.297	5009.64209	4430.783203	13.675781	
159088.859	5008.118899	4434.248047	13.70752	
159143.313	5012.637895	4445.888826	13.673828	
159204.219	5012.490723	4463.828853	13.696777	
159260.078	5009.018043	4481.140137	13.702148	
159315.888	5013.986309	4465.141602	13.65332	
159373.668	5011.538062	4432.417969	13.657715	
159433.969	5013.453813	4479.261719	13.686584	
159493.938	5010.831838	4432.759786	13.717285	
159551.031	5010.314941	4437.407227	13.692383	
159607.313	5008.521484	4451.826485	13.705588	
159662.719	5011.222188	4446.370605	13.689453	
159724.172	5012.334473	4450.229004	13.674316	
159784.313	5010.851855	4455.40825	13.702637	
159841.5	5008.161152	4451.445801	13.683105	
159903.188	5010.564941	4491.681621	13.673334	
159966.25	5010.320801	4457.055176	13.713379	
160022.438	5014.652344	4428.789551	13.69043	

160082.888	5008.868629	4436.026387	13.683105
160139.313	5013.308105	4430.472168	13.680176
160200.625	5013.88916	4445.287109	13.719727
160257.484	5017.483388	4403.821777	13.680176
160314.891	5015.92041	4451.334961	13.67627
160375.838	5013.875	4485.617676	13.6875
160433.018	5013.448289	4435.021484	13.689453
160490.406	5016.688477	4427.030273	13.68748
160551.625	5013.798316	4451.813985	13.682109
160608.594	5015.684082	4442.327148	13.683594
160669.534	5010.92627	4460.453125	13.703125
160730.688	5012.621094	4466.850586	13.688965
160787.219	5016.587891	4431.403809	13.701172
160842.5	5011.915527	4439.134788	13.690918
160898.625	5016.821582	4429.829102	13.725088
160955.141	5013.491699	4448.22998	13.673828
161012.188	5019.369141	4448.595703	13.706055
161068.375	5019.729004	4427.592773	13.699219
161123.853	5015.124023	4445.822288	13.690818
161186.219	5016.833789	4438.306152	13.673828
161246.984	5012.958984	4460.647481	13.686504
161304.219	5015.505859	4476.049805	13.687969
161360.969	5017.688833	4470.71582	13.682588
161421.047	4993.430864	4443.516802	13.666992
161477.188	5018.989745	4433.14502	13.687988
161535.422	5017.298828	4449.627441	13.695312
161591.872	5021.318408	4443.572754	13.672363
161650.172	5017.756836	4440.641602	13.684082
161708.172	5019.751465	4441.319824	13.653809
161772.781	5003.13918	4467.188036	13.480937
161829.953	5018.04248	4458.018555	13.610352
161897.094	5005.951172	4423.311035	13.682817
161962.234	4992.708964	4429.57373	13.727051
162019.888	4994.01418	4397.126485	13.651387
162078.172	5019.775391	4464.679687	13.689922
162138.872	5018.298828	4452.46582	13.674316
162193.234	5019.695801	4432.656738	13.685547
162253.734	5006.034688	4457.964355	13.70752
162323.031	4997.201172	4451.646373	13.680664
162379.406	5018.248582	4438.780782	13.709473
162439.844	5017.918945	4426.557129	13.680176
162497.078	5022.599121	4421.757324	13.57868
162556.938	5014.048387	4485.888184	13.65818
162612.391	5015.233887	4435.389629	13.532227
162674.453	5016.010254	4473.598145	13.619531
162734.766	5018.70186	4422.569336	13.562988
162794.703	5017.756836	4426.749512	13.615723
162855.938	5015.789802	4438.453813	13.631838
162916.688	5014.762686	4446.509277	13.571777
162973.219	5019.151367	4489.911821	13.657227
163032.25	5017.824512	4450.044922	13.682871
163088.888	5019.098145	4472.862148	13.62793

163149.453	5016.29834	4467.265625	13.700684
163207.172	4897.977539	4457.258789	13.653909
163263.031	5018.458486	4471.179199	13.524902
163319.841	5019.046387	4454.696777	13.669434
163377.969	4994.276367	4461.408691	13.722168
163434.156	5018.490234	4420.097856	13.612783
163490.641	5018.992676	4428.134277	13.566406
163548.583	5017.429687	4448.470703	13.612305
163604.109	5018.305684	4440.74707	13.585449
163664.531	5019.729492	4404.807617	13.56543
163722.813	4997.208496	4461.083984	13.675781
163779	5018.56543	4431.34868	13.477539
163836.141	5020.87793	4489.570312	13.588359
163897.547	5015.89209	4489.879385	13.640137
163961.891	4895.729492	4442.890234	13.676758
164017.813	5021.127441	4438.815918	13.818164
164073.922	5016.771484	4422.553223	13.501465
164141.063	4999.552734	4442.261719	13.601562
164198.359	5023.474121	4414.541016	13.483867
164257.422	4996.978562	4451.698289	13.479004
164314	5019.708543	4440.778367	13.487305
164383.375	5002.464355	4413.097168	13.478027
164440.016	5004.804492	4417.28418	13.647849
164498.825	5023.094230	4439.111328	13.509768
164554.822	5019.048828	4435.742676	13.633301
164617.047	5017.440918	4430.032227	13.584861
164672.922	5011.783203	4459.403809	13.61064
164730.203	5009.984863	4451.737305	13.5
164787.047	5016.646873	4442.613184	13.474809
164843.188	5022.497559	4453.102051	13.452837
164903.344	5018.613281	4440.248023	13.548828
164959.469	5016.28541	4450.751465	13.612305
165020.287	5008.858375	4444.516137	13.496682
165081.125	5012.563865	4453.062988	13.448289
165141.016	5013.464844	4408.75	13.580078
165187.672	5013.182817	4451.479492	13.450195
165254.438	5018.411821	4458.031738	13.606445
165314.583	5018.803808	4446.998535	13.524902
165371.688	5017.648926	4422.353027	13.518555
165433.125	5020.002441	4402.720703	13.585837
165492.875	5018.498047	4435.978492	13.538133
165551.828	5017.648414	4443.026387	13.437012
165612.641	5014.640137	4415.802734	13.520996
165672.828	5019.205566	4458.228516	13.444338
165729.109	5019.115723	4488.586703	13.528855
165794.838	5005.42457	4439.551758	13.584473
165861.031	5018.082988	4418.626855	13.570312
165909.313	4997.263672	4422.166016	13.586914
165969.891	5018.862793	4424.452637	13.555176
166026.172	5015.291016	4435.883281	13.455586
166083.203	5020.388672	4450.28248	13.56082
166144.141	4898.130371	4408.750488	13.63916

166206.281	5019.571777	4422.587402	13.591797
166262.141	4996.416982	4403.383301	13.674316
166319.828	5016.443359	4405.44873	13.702148
166375.672	5018.492678	4393.908203	13.693359
166431.578	5016.768113	4455.609863	13.70450
166487.953	5021.338426	4422.433105	13.59043
166549.489	5018.031738	4401.053223	13.681641
166608.531	5015.500977	4437.449707	13.63916
166668.609	5017.353027	4410.295886	13.679887
166723.188	5017.958055	4395.131348	13.68457
166785.203	4996.331543	4451.332031	13.626465
166851.719	4996.399902	4425.541018	13.675781
166910.641	5023.388629	4454.625	13.628853
166970.125	5019.684277	4459.978027	13.65625
167030.281	5023.438523	4434.278809	13.620805
167091.016	4993.813865	4451.388184	13.707031
167147.906	5000.321777	4446.859863	13.658891
167204.063	5013.296387	4463.71875	13.622559
167264.578	5016.413574	4448.30857	13.65625
167321.609	5019.740723	4478.902344	13.638672
167378.888	5020.328613	4473.248582	13.71675
167441.989	4997.740723	4458.508789	13.633789
167497.953	5018.601582	4492.322754	13.66748
167559.703	5017.385254	4456.998094	13.654297
167618.188	5018.333498	4441.717773	13.647461
167685.281	4990.082888	4441.101074	13.639848
167742.828	5021.867187	4441.05857	13.712402
167802.408	4999.169434	4438.886719	13.63623
167860.203	5018.230957	4435.404785	13.678223
167916.047	5019.365234	4422.658891	13.672852
167978	5020.078125	4438.582031	13.541992
168031.531	5024.404297	4479.352539	13.679687
168090.678	5007.380352	4437.213867	13.60488
168148.141	5017.799316	4430.734863	13.553711
168209.203	5020.967773	4442.465332	13.512695
168269.844	5017.737305	4426.768068	13.555176
168326.203	5018.561035	4473.148973	13.702148
168383.75	4990.729492	4448.175781	13.716797
168440.703	4998.223633	4444.478582	13.719867
168501.094	5016.842773	4462.888672	13.644043
168562.313	5018.322754	4436.508789	13.649902
168624.453	5014.065818	4469.348191	13.616211
168681.875	5018.404297	4464.359863	13.655273
168742.906	5006.834786	4455.128418	13.541504
168806.963	5007.23877	4447.772949	13.691885
168867.5	5016.117676	4444.320312	13.637895
168932.625	5006.149902	4455.990234	13.499023
168991.422	5021.208543	4452.253908	13.611328
169049.016	5008.191885	4431.550283	13.610352
169106	5018.80127	4446.067871	13.553223
169166.984	5017.216797	4448.868164	13.591309
169224.094	5020.237305	4485.930864	13.657715

189292.688	5005.663095	4409.838355	13.70459
189350.172	5021.339355	4426.90918	13.676223
189408.953	5001.268068	4435.01416	13.688035
189470.594	4998.804667	4428.820312	13.712482
189629.922	5019.92627	4464.6875	13.685547
189900.406	4998.038068	4441.231445	13.681621
189689.375	5001.072266	4427.257812	13.637695
189725.647	5018.737793	4439.064941	13.657715
189781.813	5020.49707	4448.124512	13.670898
189843.406	5018.722856	4428.722656	13.626853
189905.328	5001.280762	4422.781739	13.687988
189961.453	5026.307617	4419.329102	13.660156
170020.578	4998.658891	4456.189941	13.608887
170077.25	5024.087871	4391.822288	13.547852
170138.626	5001.847266	4433.811816	13.694824
170201.813	5001.307817	4440.460937	13.660645
170258.781	5020.994141	4443.276855	13.702637
170315.047	5004.887754	4487.122559	13.69043
170371.438	5024.241899	4440.108683	13.722168
170428.344	5022.895898	4463.219727	13.711914
170488.578	4990.114746	4440.63623	13.680654
170548.953	5025.018535	4472.881616	13.590332
170605.484	5002.231934	4475.753908	13.628418
170669.25	4992.572268	4437.635254	13.651387
170725.406	5022.81377	4452.578172	13.689941
170782.828	5023.885527	4406.306152	13.68457
170841.438	5007.238818	4403.523437	13.702637
170908.547	4987.499512	4416.817876	13.617187
170968.531	5022.23877	4489.993164	13.65332
171028.141	4988.239746	4453.773437	13.674316
171090.063	5021.814453	4434.351582	13.67627
171150.578	5001.192871	4441.228516	13.608375
171220.141	4993.556152	4448.384043	13.678711
171278.469	5018.471181	4447.050781	13.708984
171338.375	4998.100098	4446.240723	13.662588
171408.484	5001.32666	4423.802734	13.658203
171472.563	4998.132324	4430.391602	13.684082
171537.453	5007.390137	4478.700195	13.687012
171600.984	4991.431641	4455.815723	13.688845
171657.881	5019.920998	4460.022481	13.692383
171721.709	5003.56543	4437.832031	13.627441
171786.906	4998.737305	4444.973145	13.682109
171851.813	5004.10488	4424.838844	13.720703
171915.609	4993.682129	4409.078125	13.674316
171977.078	5020.98291	4474.416504	13.677734
172033.609	5019.365723	4433.967285	13.701172
172099.047	5008.228516	4431.825195	13.677246
172163.359	4994.801758	4420.378485	13.688035
172227.188	5003.583008	4459.869322	13.704102
172283.516	5001.725586	4437.954102	13.679687
172347.797	5001.700195	4462.857715	13.691885
172416.891	5008.326172	4446.722656	13.688523

172482.625	4992.000488	4443.78418	13.680684
172546.703	5003.978172	4435.880371	13.702148
172610.531	5001.146484	4418.830566	13.657227
172666.625	5019.566895	4424.077148	13.725586
172723.234	5017.598688	4435.933584	13.689941
172780.531	5023.058594	4438.747559	13.709981
172837.841	5001.512207	4440.687888	13.663088
172892.297	4995.841309	4437.483388	13.675781
172946.084	4996.962891	4462.495117	13.6875
173021.922	5020.115723	4477.948289	13.674318
173085.989	5000.185312	4486.468282	13.692871
173150.344	5006.008836	4492.873535	13.682598
173214.703	4995.931152	4489.599609	13.702637
173278.518	5004.317871	4480.887895	13.714844
173341.841	4990.72998	4448.508789	13.664062
173411.484	5005.906738	4483.538574	13.702637
173468.484	5023.022461	4455.445801	13.686982
173529.076	5024.254683	4472.755859	13.675781
173587.808	4996.855857	4447.543457	13.688242
173652.219	5002.023437	4488.30967	13.681641
173716.859	4998.402832	4442.130859	13.668945
173781.219	6003.439941	4448.835449	13.658691
173846.381	4991.491888	4432.989258	13.688504
173903.313	4991.140825	4439.488282	13.689453
173971.5	5001.67627	4406.480234	13.683105
174036.922	4998.542989	4424.77832	13.672363
174101.281	5006.550293	4450.85791	13.675781
174164.286	5002.080588	4440.484375	13.707031
174228.5	5005.012207	4485.947268	13.713887
174294.083	4996.390625	4444.879482	13.677734
174358.703	4991.297363	4417.087871	13.689822
174418.875	5019.270998	4408.563477	13.679189
174479.938	4991.113281	4432.988023	13.697288
174545.172	5001.1875	4411.322266	13.717285
174610.876	4998.945801	4454.729482	13.684082
174674.422	4998.638719	4467.787383	13.688985
174735.75	5020.351562	4437.07373	13.707031
174800.922	4994.284822	4449.342773	13.685059
174864.984	4897.981445	4459.212891	13.685547
174927.872	4994.142578	4436.325195	13.678758
174984.422	5021.877441	4431.892187	13.706055
175049.5	4999.493164	4408.17334	13.665039
175114.872	5001.625	4447.411133	13.641113
175180.856	5000.588824	4430.634277	13.683105
175245.313	4998.046875	4399.305178	13.678758
175310.734	5003.081055	4438.618184	13.688523
175376.469	4992.480957	4432.54834	13.691895
175437.391	5021.427734	4432.677246	13.691406
175502.158	4998.810352	4420.382812	13.683105
175568.344	5027.001485	4449.097656	13.680176
175618.172	5000.376465	4458.149902	13.694824
175683.656	5002.852832	4444.81377	13.680684

175750.422	4994.675293	4453.035845	13.708055
175815.906	5000.392578	4457.075195	13.668504
175879.688	4996.177734	4450.109883	13.710937
175946.156	5002.633301	4428.36377	13.683584
176010.594	4995.858887	4458.374512	13.694824
176077.688	5000.419822	4488.496094	13.855762
176143.313	4994.103516	4485.304199	13.690918
176207.672	5003.578172	4434.063985	13.698242
176273.25	4995.938523	4441.998047	13.698242
176339	5001.49707	4474.441896	13.685547
176403.609	4996.772461	4425.618164	13.700195
176469.313	5004.686059	4458.878908	13.889841
176534.5	4996.961914	4458.505859	13.688016
176599.406	5003.022461	4427.841309	13.702637
176664	4996.929687	4456.914062	13.703125
176720.125	5023.381328	4482.816408	13.677794
176778.719	5001.160158	4433.638872	13.680864
176844.408	4998.722168	4448.226074	13.67827
176909.297	5005.847461	4410.008348	13.708055
176975.047	4992.751853	4455.853027	13.702637
177040.219	5001.630859	4451.183105	13.897266
177105.516	4999.345703	4432.743852	13.685547
177171.391	5007.161621	4448.894531	13.687012
177235.734	4994.024902	4451.716797	13.680178
177300.313	5000.020998	4475.188985	13.872852
177366.063	4997.53418	4440.582031	13.683105
177430.734	5004.238818	4484.96875	13.695312
177495.063	4994.891802	4492.647461	13.698242
177560.268	5008.549805	4437.738816	13.686035
177625.858	4994.123535	4461.385886	13.685547
177691.422	5001.881816	4430.799318	13.690684
177752.547	5021.011719	4483.889829	13.688289
177817.891	4992.708055	4441.820888	13.688477
177876.063	5023.48707	4418.979004	13.652832
177934.484	5003.78248	4458.489727	13.678223
177999.422	4997.350098	4435.729004	13.702637
178057.25	5023.887888	4411.29834	13.683105
178117.094	5003.060059	4398.592285	13.687988
178183.084	4995.282969	4484.499612	13.681641
178247.172	5006.549805	4430.817187	13.897754
178315.109	4993.608887	4452.488238	13.710937
178380.875	5003.28709	4437.080332	13.655782
178446.703	4996.149902	4418.527832	13.696289
178511.203	5003.848145	4449.516602	13.667969
178589.578	5020.22998	4428.82959	13.648437
178637.703	4989.047383	4450.588914	13.701172
178700.109	4998.570801	4456.304199	13.70459
178766.844	5008.431641	4427.022461	13.708543
178831.047	4996.055864	4500.450195	13.670898
178887.328	5016.25293	4448.800293	13.688477
178949.018	5017.338428	4459.114748	13.688504
179005.844	5000.838867	4491.208055	13.704102

179070.281	5004.839848	4457.229074	13.687988
179135.172	4993.839355	4442.584961	13.69043
179192.125	5021.960449	4424.017578	13.680158
179250.422	5003.427734	4429.630371	13.648437
179309	5023.992878	4438.722168	13.689453
179368.063	4998.31543	4405.813985	13.702637
179432.719	4997.902344	4422.142578	13.703613
179493.188	5018.125488	4423.664561	13.686035
179560.016	4997.832324	4428.994829	13.688945
179624.853	5002.121582	4419.242187	13.729492
179689.828	4998.231934	4458.308841	13.679687
179753.938	5002.581543	4462.943359	13.688035
179816.156	5023.134766	4460.21582	13.687012
179871.891	5002.216309	4441.27832	13.682129
179927.922	5023.13623	4430.548875	13.691895
179988.518	4994.885527	4429.78418	13.673828
180044.828	5022.833984	4432.70166	13.663574
180103.125	5003.415527	4449.716282	13.683584
180168.078	4997.89502	4432.733887	13.679887
180224.75	5025.934082	4438.938477	13.679887
180281.422	5022.969238	4486.939941	13.696777
180343.219	5021.944824	4454.800098	13.677246
180402.125	4998.29541	4465.398826	13.63916
180468.109	4999.813674	4458.789043	13.671387
180525.188	5023.541016	4446.288086	13.680176
180584.438	4998.367187	4433.155273	13.685527
180650.422	4999.575984	4407.521484	13.699707
180707.268	5025.833008	4417.124023	13.683105
180765.75	5018.802051	4404.317871	13.659688
180823.281	5018.981428	4427.071777	13.710449
180885.234	4983.801074	4478.804004	13.689219
180950.463	5003.202148	4455.312012	13.680684
181014.781	4990.220215	4439.310059	13.669434
181071.5	5017.138184	4481.963379	13.714355
181130.047	5018.958984	4486.389848	13.681133
181188.234	5022.168477	4444.23877	13.691895
181248.981	5002.478582	4458.997559	13.678199
181312.422	5000.424316	4432.759277	13.685801
181369.047	5018.025391	4456.892871	13.685547
181430.584	5017.533891	4454.11377	13.671387
181496.016	4987.751953	4489.948289	13.679687
181566.889	5000.82868	4423.988328	13.688453
181633.297	5007.900879	4418.298805	13.678711
181699.288	4990.119141	4415.283184	13.682817
181755.953	5012.983398	4433.83252	13.689922
181812.031	5018.23877	4416.854004	13.683105
181872.25	4998.470703	4464.800293	13.677734
181937.391	5002.881821	4448.086181	13.688845
182003.391	4994.07666	4451.070312	13.685312
182061.234	5018.680566	4460.750877	13.67827
182120.489	5016.756836	4460.557617	13.67334
182180.825	5017.02002	4473.412109	13.682129

182241.547	5020.761719	4497.036086	13.686035
182302.531	5022.791892	4451.047852	13.697754
182367.109	4996.61709	4421.713379	13.655762
182423.936	5019.132324	4438.395508	13.672363
182481.841	5016.956055	4450.019043	13.671387
182540.016	5019.88457	4449.326172	13.67041
182600.836	5000.235352	4411.404785	13.682129
182664.891	5000.677246	4398.574219	13.710937
182729.141	4995.929199	4423.203125	13.719727
182795.438	5005.643555	4427.8875	13.656738
182862.688	4998.216797	4451.021973	13.683594
182922.438	5018.02832	4453.930864	13.676758
182990.822	6001.145998	4437.123535	13.696777
183047.031	5023.683105	4477.681133	13.847461
183108.469	4999.385742	4446.388437	13.680176
183167.786	5019.072754	4467.353516	13.650391
183223.75	5017.51123	4467.40825	13.682617
183281.922	4997.258789	4423.581055	13.665039
183349.281	4998.289082	4445.986816	13.652832
183405.344	5020.068895	4429.02002	13.858203
183461.219	4990.492187	4421.868894	13.680864
183520.453	5020.157227	4425.378906	13.667969
183578.594	5017.705078	4441.852539	13.710937
183634.172	4999.380371	4472.407227	13.689941
183691.688	5019.754395	4435.914551	13.689922
183749.422	5014.100586	4430.687754	13.645998
183805.786	5018.691406	4462.015137	13.696777
183874.734	5002.419822	4454.576172	13.677246
183939.688	5003.10791	4437.241899	13.686527
184005.172	4996.116211	4466.967773	13.705078
184062.859	5015.983398	4421.855782	13.686523
184119.219	5017.88457	4417.42041	13.679687
184177.825	5015.8125	4440.053711	13.718309
184236.813	5019.904765	4448.196777	13.653809
184294.328	5021.82207	4425.659883	13.708473
184353.578	5002.894531	4444.000488	13.65625
184418.172	4990.207031	4405.726074	13.677734
184479	4992.857422	4392.592773	13.728516
184536.188	4997.561035	4382.938453	13.675781
184592.781	5023.635937	4438.670117	13.679199
184651.094	5003.85752	4385.809082	13.65332
184718.016	4992.697461	4432.768555	13.674316
184771.813	5024.903809	4448.948242	13.677246
184831.297	5013.324707	4446.423828	13.678711
184887.938	5020.063965	4475.513672	13.693359
184946.016	5020.241211	4452.984883	13.680864
185011.344	4996.47168	4420.728516	13.696777
185068.422	5018.957031	4416.310547	13.683594
185128.688	4997.153808	4443.118164	13.680176
185207.703	4999.287598	4466.865332	13.671387
185277.828	4998.835937	4422.475098	13.692363
185339.281	5021.824707	4410.218238	13.70752

185389.064	5005.473145	4404.54248	13.6875
185482.891	4996.682383	4441.120117	13.728215
185518.75	5021.057617	4437.039551	13.85825
185574.875	5015.894531	4411.531738	13.686523
185631.281	5019.294434	4430.686035	13.67334
185687.083	5018.121084	4448.014848	13.70188
185745.328	4999.230489	4446.788555	13.716309
185815.734	4994.522949	4457.061523	13.658891
185881.438	5001.911621	4469.544822	13.674805
185947.438	4993.428223	4481.068895	13.684082
186014.203	5000.212891	4448.708488	13.706055
186088.094	5020.838844	4457.831348	13.711914
186124.094	5024.416527	4452.645608	13.685547
186182.344	5002.648437	4459.105957	13.660645
186248.547	4993.009277	4463.07959	13.688035
186305.25	5018.411133	4462.52832	13.679199
186364.938	4998.050293	4438.202148	13.702148
186423.547	5022.139848	4440.338426	13.690918
186482.578	4999.481428	4444.779785	13.690918
186544.484	4999.828125	4451.188523	13.707031
186603.594	5021.111328	4408.404297	13.711426
186684.922	5018.543457	4480.698242	13.67827
186725.719	5003.277832	4438.487305	13.690918
186790.344	5000.252441	4443.946289	13.696777
186851.594	5022.337402	4448.004395	13.693848
186909.453	5013.265625	4460.519531	13.689941
186985.844	5018.133301	4418.408203	13.692871
187022.158	5020.81084	4410.512207	13.736816
187090.891	4994.897461	4438.528855	13.697286
187156.656	5007.075195	4432.683105	13.694336
187222.391	4993.844043	4437.845215	13.679687
187278.908	5022.318848	4432.358398	13.709961
187340.328	5008.588844	4458.945312	13.681841
187396.786	5023.091309	4440.423828	13.660156
187454.25	5002.797363	4445.398973	13.686992
187510.656	5021.89873	4467.488748	13.686523
187567.203	4998.742187	4449.88281	13.683105
187623.234	5017.182817	4481.488797	13.67827
187690.703	5010.850588	4431.888184	13.703613
187758.203	4998.422363	4407.717773	13.671387
187821.287	5003.56543	4438.588848	13.687012
187884.297	4992.904785	4444.740234	13.647481
187940.984	5018.234863	4443.181841	13.688945
188008.584	5002.068359	4528.229004	13.681821
188064.719	5022.612793	4485.333008	13.682109
188122.719	5004.253418	4478.102539	13.692871
188187.5	4996.712891	4472.122558	13.700185
188252.516	4996.880684	4422.145896	13.693353
188318.625	5009.285137	4447.091797	13.676758
188383.109	4995.917969	4437.529395	13.682871
188449.484	4998.246582	4487.373535	13.688985
188514.016	4994.901357	4458.83457	13.693848

188578.578	5001.313477	4469.01709	13.883359
188639.438	5001.093262	4446.475088	13.887988
188709.583	4993.938965	4480.889414	13.672852
188773.344	5008.460937	4458.5625	13.674805
188838	4989.186777	4438.388928	13.881152
188907.268	5002.538088	4425.878711	13.671387
188975.484	4999.838867	4448.975686	13.884336
189032.734	5024.87207	4482.214355	13.67627
189096.516	4984.007812	4484.025879	13.681152
189161.969	5006.444336	4443.287578	13.884336
189224.838	4998.130859	4466.872363	13.649414
189290.375	5003.453813	4478.78709	13.883066
189351.688	5020.589355	4483.108445	13.880158
189411.359	5020.209613	4462.568369	13.680178
189487.908	5020.629395	4439.590332	13.680176
189537.547	5003.548828	4485.805176	13.696777
189603.609	4989.097856	4439.847949	13.888523
189660.297	5821.114746	4431.408738	13.870888
189720.188	5000.271484	4443.503418	13.649414
189784.813	4997.904785	4483.173828	13.688018
189840.75	5020.872559	4484.821777	13.686719
189898.297	5019.099121	4484.28709	13.68457
189957.516	5018.769043	4436.722188	13.887988
190022.422	4988.978516	4480.702637	13.854785
190088.125	5002.3125	4454.479004	13.671387
190153.313	4985.004395	4442.780782	13.88873
190219.313	4989.544822	4449.381348	13.688477
190285.328	4990.456055	4458.717773	13.88457
190346.094	5000.734863	4452.800781	13.888523
190409.328	5008.039551	4418.268086	13.686523
190475.328	4987.174805	4428.458884	13.708496
190539.719	5004.001953	4430.586814	13.706055
190605.841	4998.018088	4404.902832	13.888477
190685.489	5021.388184	4444.077148	13.674316
190729.703	5000.490234	4485.547383	13.887012
190786.438	5024.532715	4449.774414	13.687988
190846	5003.818848	4449.51709	13.706543
190910.938	4995.818359	4444.387949	13.888289
190967.578	5023.953813	4485.733388	13.688477
191025.859	5003.829102	4455.12207	13.67827
191091.359	4999.378385	4443.040039	13.684551
191158.297	5002.280762	4442.209473	13.6875
191216.25	5017.753906	4456.28416	13.864551
191272.822	5022.241211	4440.873833	13.881841
191329.078	5020.498535	4453.208984	13.678758
191388.853	5003.239748	4450.920898	13.88873
191462.719	4999.020508	4432.763872	13.888523
191527.234	5003.638184	4418.071777	13.882817
191584.094	5016.984883	4418.583282	13.657715
191642.938	5019.85498	4420.352051	13.663086
191707.328	5003.09375	4466.146484	13.700195
191773.094	4997.929199	4426.041504	13.866892

191837.953	5005.810547	4422.385742	13.716797
191902.063	4996.51123	4458.522481	13.688242
191964.484	4991.879492	4422.76123	13.67934
192021.172	4998.075684	4437.574219	13.693848
192079	5022.607422	4414.581543	13.685527
192137.888	5004.628418	4425.633789	13.691895
192201.781	4996.838379	4444.333496	13.706548
192268.719	5007.733887	4432.812888	13.658691
192335.234	4993.296387	4427.500488	13.678711
192392.344	5001.314941	4423.907715	13.690918
192458.884	5003.758301	4438.821777	13.680176
192521.609	4995.804785	4410.856543	13.683594
192585.969	5004.023437	4417.077637	13.688453
192643.859	5020.191895	4450.588624	13.678687
192700.838	5021.73877	4435.348633	13.658691
192758.989	5003.302734	4451.522949	13.681621
192824.083	5005.92827	4433.824219	13.738328
192890.906	5001.775391	4428.775879	13.678223
192955.844	5001.132812	4434.79248	13.677246
193011.781	5018.851074	4444.020508	13.688523
193077.141	4995.782969	4453.739258	13.71582
193141.438	5006.105957	4449.412109	13.710937
193206.109	4996.412109	4430.818824	13.675283
193271.313	4998.830078	4425.527344	13.705078
193329.047	5022.374023	4436.133789	13.703125
193385.408	5000.802344	4444.097858	13.688016
193455.797	4997.854004	4441.804492	13.68748
193520.125	5006.874121	4463.135254	13.676758
193585.578	4993.648437	4457.952837	13.701172
193658.547	5004.117187	4460.875293	13.69043
193714.219	5023.453125	4444.819141	13.686016
193772.328	5002.982402	4439.283184	13.687989
193838.375	4997.801758	4438.993184	13.682871
193901.583	4999.790039	4445.465332	13.69873
193958.109	5021.88877	4439.947268	13.683574
194018.547	5000.57373	4433.283184	13.671875
194073.375	5025.407716	4426.887695	13.689453
194132.281	4997.270508	4411.826758	13.687012
194201.328	5000.197266	4485.885059	13.689453
194259.375	5019.87627	4401.119141	13.691895
194323.158	5002.287109	4433.278297	13.689434
194387.25	4998.454102	4423.587188	13.67827
194452.125	5004.591797	4449.783691	13.677246
194513.825	4997.512885	4425.291504	13.684082
194581.856	5009.435059	4467.182109	13.687754
194646.281	4998.907715	4467.455566	13.672852
194711.459	5004.508301	4458.881838	13.657715
194777.469	4999.245605	4432.154785	13.69873
194839.297	5020.485352	4471.853809	13.68457
194900.422	5022.487773	4431.475099	13.697288
194959.016	5020.853518	4434.803518	13.688945
195018.547	4998.771973	4441.818408	13.693359

195084.078	5005.394531	4437.820801	13.630371
195147.891	5002.546875	4420.080078	13.71582
195212	4992.86584	4431.187989	13.678223
195274.906	5000.41748	4430.013672	13.661621
195338.422	5000.723633	4444.208498	13.652832
195404.188	4996.794434	4465.17334	13.689453
195470.688	5007.178711	4481.366699	13.727539
195538.125	4995.736328	4459.827441	13.62793
195593.359	4998.868945	4411.101562	13.697754
195650.734	5022.047363	4424.075195	13.715332
195709.159	5004.543845	4431.785825	13.661133
195774.313	4997.979004	4427.31543	13.67041
195839.75	5007.228482	4434.104492	13.669822
195896.288	5017.57958	4437.310059	13.679199
195951.969	5000.713867	4470.981834	13.680664
196011.359	4998.327837	4487.858388	13.691406
196074.584	4999.728027	4454.037588	13.683105
196138.703	5008.932129	4428.912598	13.677246
196203.584	4996.456543	4471.933584	13.641113
196269.578	5001.538574	4448.008488	13.677794
196327.672	5017.973633	4434.342285	13.703613
196387.609	5021.440918	4433.447288	13.688523
196445.047	4999.575884	4434.186035	13.697754
196510.234	5006.11377	4459.018531	13.674318
196578.5	5001.212891	4470.208543	13.677734
196642.219	5004.474121	4452.257324	13.706566
196707.406	4990.367676	4423.342285	13.672363
196764.578	5021.878953	4433.439453	13.67041
196823.984	5008.100586	4484.393555	13.674805
196889.109	4993.768602	4450.196289	13.648437
196954.078	4998.530273	4473.18457	13.685039
197013.734	5018.913574	4450.480469	13.671387
197074.489	5022.337891	4502.787578	13.648926
197143.813	5002.032227	4487.837988	13.693848
197199.734	5019.231934	4479.275879	13.639648
197264.234	5001.052734	4478.928223	13.661133
197329.406	4995.207031	4485.960937	13.717773
197395.453	5003.191406	4448.126953	13.728518
197451.583	5020.662108	4428.866504	13.685547
197517.438	4889.725588	4481.98584	13.691406
197573.358	4997.882324	4454.529297	13.683848
197631.344	5023.254385	4445.128806	13.720703
197689.391	5002.397849	4402.660156	13.682517
197745.719	5022.875	4421.116899	13.655762
197804.125	5004.859473	4451.488047	13.688477
197865.809	5018.918457	4458.179687	13.650879
197924.297	5020.488282	4483.860937	13.669822
197984.719	5017.289062	4451.578125	13.69043
198048.641	5010.088355	4441.272949	13.661621
198114.859	4999.447754	4464.058082	13.620117
198179.969	5003.585937	4453.344727	13.684082
198249.563	5003.325884	4431.018066	13.670898

198311.016	5021.941408	4421.826172	13.675293
198368.391	5022.407715	4393.155273	13.688865
198427.5	5004.335449	4404.091797	13.708543
198485.375	5019.522481	4430.83457	13.691406
198542.219	4999.490723	4452.313985	13.695312
198598.063	5022.878908	4413.468238	13.69043
198654.563	5023.774414	4387.11084	13.682617
198718	4993.735352	4447.16748	13.67334
198761.158	5004.82373	4478.9375	13.678223
198845.516	4997.908766	4414.021973	13.686035
198916.484	5001.01123	4421.388926	13.728516
198973.438	5022.10791	4437.457031	13.682598
199038.813	4994.072288	4437.407715	13.675293
199104.813	5004.565918	4434.802051	13.651367
199170.578	4991.862793	4467.224121	13.679199
199236.016	5002.787598	4452.040527	13.695312
199301.188	4990.873047	4454.440918	13.672383
199361.938	5000.272481	4426.568848	13.686289
199419.469	5022.703125	4446.308594	13.697268
199477.719	5003.904785	4452.118116	13.709473
199543.453	4995.751953	4439.92334	13.684082
199610.281	5002.047862	4458.934082	13.675293
199671.234	5020.73584	4434.892383	13.641602
199732.125	5005.943358	4440.802248	13.675781
199789.078	5010.982678	4436.052246	13.672383
199854.788	4996.226074	4455.83252	13.697754
199920.5	5012.086145	4421.791504	13.725098
199976.781	5024.240234	4447.560781	13.685038
200035.719	4991.631838	4418.555178	13.671875
200096.078	5022.568848	4387.021973	13.685059
200153.719	4991.974121	4403.503418	13.690918
200215.422	5021.487793	4404.491899	13.688477
200274.408	5000.298387	4414.202837	13.851855
200330.906	5026.338379	4430.90825	13.695801
200388.531	4993.539082	4444.962891	13.667969
200449.813	5021.303223	4402.345703	13.693359
200519.703	5000.631348	4431.513672	13.668457
200583.234	4998.96582	4401.833498	13.684082
200647.344	5005.680684	4417.88623	13.688965
200704.281	5018.185547	4448.878959	13.697268
200761.734	5018.286621	4439.243164	13.68457
200818.188	5020.883584	4452.344727	13.683088
200882.76	5003.498535	4434.757812	13.676758
200946.797	5005.896484	4459.410156	13.643068
201011.438	4991.852051	4475.112305	13.677734
201067.841	5019.007812	4463.848145	13.689707
201129.109	5000.18973	4464.758789	13.68457
201186.376	5023.128906	4445.510742	13.681152
201251.219	5003.762207	4413.858691	13.694336
201314.859	4997.428711	4429.367876	13.717285
201370.797	5016.270508	4454.473145	13.697268
201428.906	5020.844336	4463.040627	13.678711

201488.047	5022.025879	4480.187988	13.658891
201547.063	5004.910158	4469.523437	13.70752
201612.828	4998.165527	4449.530782	13.691406
201668.872	5016.425293	4467.035158	13.841113
201734.125	4993.217285	4441.280273	13.681152
201789.984	4996.393555	4423.871094	13.684082
201846.281	5004.230957	4461.145986	13.687988
201910.838	5000.828418	4477.237793	13.71582
201976.894	4998.123047	4484.320312	13.682129
202042.641	5001.540527	4460.549318	13.688992
202108.422	4989.054189	4450.103027	13.70752
202170.016	4993.075195	4493.888258	13.682109
202234.891	5001.845215	4458.014416	13.688242
202291.922	5022.134277	4444.225586	13.674805
202349.531	5019.075884	4486.503906	13.682109
202408.25	5020.880158	4462.101074	13.703125
202474.703	5002.415039	4457.372669	13.841113
202539.453	4996.895312	4469.204102	13.699707
202605.328	4999.512207	4451.186918	13.6875
202668.844	4994.21582	4471.418018	13.702148
202727.188	5020.516113	4454.144043	13.678223
202788.891	5019.041504	4483.368164	13.679199
202848.609	5021.88918	4473.81543	13.700684
202914.359	4999.755859	4478.32959	13.675781
202980.156	4994.095215	4473.434082	13.723833
203048.844	4999.057129	4457.581055	13.682129
203116.156	6008.511719	4439.378418	13.64209
203172.084	5022.922363	4438.045898	13.657715
203228.797	5019.772949	4400.912988	13.669434
203289.719	5021.780273	4463.726074	13.664082
203347.631	5008.297383	4465.886289	13.872852
203412.75	4996.094238	4429.792989	13.872363
203477.359	5004.528297	4462.068359	13.678223
203535.141	5020.135254	4427.183848	13.69043
203602.703	5004.870898	4444.599121	13.879199
203672.328	5004.22188	4437.104004	13.692871
203736.125	5001.802246	4447.433105	13.679199
203791.531	5020.888852	4406.878027	13.878223
203850.047	5020.591309	4426.653809	13.683105
203911.031	5021.761466	4463.981914	13.683594
203970.141	4993.313477	4448.490723	13.704102
204039.719	5000.419822	4444.582031	13.718282
204098.25	5021.889629	4471.518802	13.887012
204153.141	5021.728518	4434.489258	13.683088
204218.438	4997.128953	4427.549316	13.679199
204281.344	4997.852539	4439.298828	13.702637
204342.156	5020.276387	4448.445312	13.65332
204403.234	5020.289551	4432.494629	13.648928
204460.5	5023.618164	4431.018555	13.877734
204524.516	4992.683584	4462.014648	13.692871
204581.813	5023.387207	4435.533203	13.638184
204640.859	5003.208496	4450.024902	13.882129

204705.219	4986.257812	4415.754395	13.66748
204771.219	4988.275391	4427.941406	13.702637
204833.672	4997.339355	4439.791018	13.700684
204892.328	5021.18748	4465.407227	13.695801
204948.094	5018.485352	4434.773926	13.679199
205004.641	5002.705566	4431.843262	13.681152
205061.719	5022.239746	4432.838379	13.662596
205118.188	5020.055178	4439.467773	13.702148
205174.109	5021.568428	4415.214355	13.703613
205232.989	5007.608934	4410.814941	13.700195
205298.125	4988.424805	4439.40332	13.678711
205354.922	5017.402344	4391.574707	13.676758
205410.781	5018.717773	4403.880489	13.726582
205471.703	5019.63823	4441.574707	13.705568
205530.797	5020.352051	4417.125	13.693848
205595.672	5003.293457	4397.092773	13.687012
205660.25	4999.024902	4398.879395	13.703125
205718.453	5013.778367	4434.881162	13.683694
205772.813	5018.787568	4438.395508	13.663086
205840.141	4997.752441	4415.544922	13.678223
205898.313	5028.347856	4421.958664	13.690918
205958.189	5001.188945	4375.258301	13.687754
206012.813	5000.219238	4394.985117	13.679199
206071.489	5018.28541	4431.838844	13.653809
206139.891	5002.352539	4434.808203	13.700195
206206.172	4999.421875	4425.263184	13.691895
206271.641	4998.5625	4396.860645	13.698242
206327.531	5020.635742	4420.764648	13.694336
206387.156	5018.724121	4454.821289	13.711428
206445.156	5013.953813	4444.543945	13.671875
206501.031	5018.799318	4504.887012	13.691406
206560.381	5020.895805	4483.282227	13.71875
206617.453	5023.822559	4467.829395	13.681641
206677.5	4999.573242	4484.641113	13.67334
206734.063	5017.591797	4484.409809	13.672852
206790.594	5019.530762	4488.956543	13.680176
206850.438	5021.883565	4492.188965	13.688945
206913.453	5005.725088	4477.674805	13.674316
206970.594	5023.928758	4500.568848	13.684082
207030.625	4995.789043	4458.122559	13.674805
207087.563	4993.398926	4475.898973	13.689453
207142.844	4992.743852	4483.865039	13.683594
207198	5028.148484	4483.481934	13.671875
207258.031	5006.154297	4481.789551	13.678223
207322.391	4989.534688	4478.370117	13.685527
207388.172	5001.329102	4452.268066	13.666992
207444.828	5017.21582	4448.788821	13.682871
207508.5	5015.367678	4450.710937	13.69873
207570.203	4998.115723	4462.700684	13.679199
207630.438	5023.586914	4453.818852	13.650879
207691.989	5020.21582	4450.314941	13.672363
207750.906	6021.018068	4469.890625	13.678223

207810.018	5018.827441	4429.393555	13.688457
207867.141	5018.345215	4444.082888	13.693359
207926.813	5020.550781	4481.618164	13.840625
207983.156	5018.832031	4455.085449	13.861133
208039.859	5001.019043	4450.306176	13.691896
208097.158	5020.805176	4488.531738	13.71875
208160.938	5001.963379	4470.14209	13.657227
208218.422	5017.083498	4451.115723	13.701172
208274.828	5012.717773	4423.472858	13.678711
208331.703	5012.896777	4487.394043	13.67627
208387.875	5017.808105	4482.838867	13.673828
208451.844	4998.709473	4437.283872	13.708008
208509.828	5028.347656	4430.973833	13.861133
208568.344	5003.670898	4424.894531	13.679687
208633.583	5002.506348	4444.521973	13.880684
208690.031	5020.838867	4448.427734	13.657715
208757.825	4997.807402	4410.67334	13.694824
208826.094	5008.682031	4438.468282	13.722188
208882.5	5022.838867	4438.101562	13.678223
208940.797	5002.86084	4465.244141	13.687988
209007.031	4985.588867	4440.383281	13.685059
209064.658	5021.01418	4435.288088	13.897754
209132.158	4999.037588	4429.245605	13.682129
209189.953	5008.028855	4422.677248	13.705588
209251.25	5024.135254	4409.879883	13.686016
209309.531	4990.631836	4418.883789	13.897754
209368.203	5017.741211	4420.854492	13.685527
209428.563	5015.488727	4425.942383	13.680684
209487.158	5022.729492	4445.93457	13.703125
209545.781	5000.942383	4417.263672	13.8875
209601.734	5020.232422	4419.379395	13.69873
209662.375	5018.907715	4452.462891	13.850879
209718.583	5019.888437	4442.695312	13.891406
209779.281	5018.525879	4397.778855	13.69043
209835.031	5018.898484	4485.297383	13.689841
209904.125	5001.745605	4438.720215	13.691406
209972.859	5000.294922	4479.304887	13.678711
210031.188	5020.713887	4452.757324	13.850879
210089.408	5020.806934	4468.708055	13.885035
210148.787	5018.981934	4420.23877	13.710937
210203.953	5018.71875	4426.179199	13.698242
210261.219	5018.044434	4427.35791	13.717773
210318.625	5019.339355	4427.27832	13.881152
210380.828	4989.529785	4408.488281	13.675781
210441.158	5023.221191	4412.78418	13.898242
210499.438	4995.580568	4431.338867	13.850879
210558.908	5018.048387	4434.888035	13.708984
210616.219	5019.282227	4431.581543	13.880845
210672.672	5019.533283	4443.095703	13.88457
210731.078	5022.817383	4435.152832	13.886892
210794.828	5001.494829	4442.083884	13.700884
210853.984	5017.123047	4425.255859	13.689434

210910.891	5015.89502	4469.045888	13.681641
210887.781	5018.544922	4439.192871	13.688684
211028.422	5018.525879	4458.913086	13.67041
211087.422	5000.846484	4427.753908	13.683105
211152.047	4993.577837	4459.95459	13.671875
211216.391	5002.189219	4440.32858	13.719727
211276.422	5015.584473	4432.962402	13.685547
211335.781	5019.810547	4457.082773	13.686504
211403.408	5005.595703	4435.725088	13.658891
211481.672	5008.113281	4455.286133	13.674316
211518.018	5023.851855	4409.148928	13.688865
211575.109	5024.35496	4455.058152	13.693848
211634.672	4993.874805	4473.907715	13.692871
211891.109	5018.136742	4445.313965	13.678223
211782.531	5019.044434	4481.873047	13.705566
211810.888	5019.860845	4420.523928	13.705078
211871.172	5021.906203	4434.838844	13.698289
211928.678	5018.395898	4472.870703	13.679887
211983.719	5024.395996	4442.935059	13.682598
212049.084	4993.357422	4422.125488	13.697754
212105.797	5018.883281	4437.318848	13.678758
212161.625	5017.025879	4413.760254	13.688941
212217.438	5014.32373	4465.007812	13.683105
212274.359	5019.143066	4447.971191	13.671875
212338.989	4999.625	4457.86377	13.6875
212395.328	5000.896289	4439.43457	13.714365
212461.656	4997.305176	4387.064941	13.723145
212526.998	5004.867227	4432.43467	13.703125
212585	5017.470703	4433.058082	13.713867
212642.766	5013.913086	4456.776367	13.671387
212703.172	5018.219727	4430.606934	13.667989
212758.703	5000.954102	4428.898887	13.897266
212826.547	5003.887988	4438.359375	13.638184
212891.888	4998.825488	4428.647949	13.666992
212956.563	5000.685039	4430.01418	13.699777
213015.375	5017.252441	4438.537588	13.71582
213075.344	5019.800588	4428.554887	13.725098
213144.313	4999.134277	4457.808445	13.895312
213209.809	4995.883086	4447.491211	13.684082
213273.641	5002.808584	4455.223145	13.67041
213338.583	4994.354004	4409.382812	13.665527
213397.188	5020.302734	4430.708008	13.658691
213456.516	5023.276367	4419.418457	13.679687
213513.625	5020.150879	4449.789043	13.892871
213578.084	4995.880137	4423.28125	13.716797
213640	5025.194824	4446.897949	13.866992
213699.438	5002.020996	4452.381838	13.880664
213764.828	4993.736818	4423.555884	13.685527
213826.658	5022.583282	4417.431641	13.714355
213888.281	6017.582773	4430.166992	13.696777
213949.609	4995.729004	4451.445801	13.683594
214015.359	5002.841797	4443.516113	13.677246

214081.891	5004.742187	4481.384766	13.674805
214147.344	5001.849121	4425.570312	13.674318
214204.297	5003.187088	4428.353518	13.688841
214251.891	5022.823242	4433.645508	13.66748
214320.594	4997.79541	4427.428223	13.639648
214386.859	4995.897754	4424.918018	13.688892
214443.953	5017.107422	4409.09082	13.687888
214499.876	5019.339008	4416.791504	13.688846
214559.063	5021.979004	4410.280762	13.67041
214617.344	5003.212891	4419.189453	13.688016
214682.788	4998.542989	4458.384748	13.69043
214738.953	5025.102061	4428.003418	13.685038
214800.75	5015.048875	4415.858891	13.659809
214861.094	4999.32888	4403.043845	13.675781
214917.844	5004.717286	4384.572288	13.687988
214983.328	4997.112305	4425.458964	13.719727
215048.408	5006.581055	4431.041504	13.882129
215104.813	5020.643555	4420.87793	13.675293
215161.047	5017.81377	4421.794922	13.638872
215218.281	5021.88084	4446.48457	13.685547
215277.625	5001.825684	4442.631836	13.702637
215342.453	5005.553711	4456.490234	13.683086
215407.359	4998.279297	4440.511719	13.724809
215471.768	5009.184082	4465.548828	13.859888
215532.809	5016.771484	4468.314941	13.679199
215591.922	5020.095215	4445.980449	13.888035
215651.908	5007.386889	4437.507812	13.684336
215718.984	5002.478027	4445.453813	13.67041
215778.078	5021.516113	4471.015825	13.686504
215833.809	5022.875	4438.334473	13.65332
215890.359	5022.817871	4431.783203	13.680684
215949.858	4999.828385	4434.85918	13.682383
216013.531	4994.695215	4452.70459	13.718309
216079.484	5004.823242	4421.55127	13.898289
216143.578	4990.595703	4433.915039	13.673828
216200.518	4995.124023	4432.282227	13.68873
216259.781	5021.038133	4398.112793	13.676758
216318.884	5004.144043	4414.87793	13.747559
216383.841	4998.351074	4442.389848	13.693848
216449.344	5000.344238	4396.547363	13.697754
216505.518	5021.340332	4421.125	13.689707
216581.984	5018.216309	4461.838867	13.683105
216618.788	4998.816689	4437.881348	13.683584
216682.813	4998.043457	4405.833594	13.728027
216747.188	5001.761719	4382.123047	13.661621
216813.469	4988.063965	4419.382793	13.787588
216871.938	5018.389629	4408.463867	13.688289
216940.5	5001.012207	4425.179887	13.678711
217007.063	5004.881818	4432.803027	13.674318
217072.5	4985.785888	4437.484883	13.688985
217138.531	5016.779297	4458.151855	13.685801
217186.047	5017.238328	4437.83918	13.687869

217246.563	5020.270508	4450.240723	13.705566
217308.75	4999.227539	4432.689463	13.687988
217375.844	5003.898414	4404.311523	13.683105
217441	4995.078125	4489.781738	13.677246
217508.656	4998.958984	4461.915527	13.688457
217567.766	5017.222656	4434.483398	13.745117
217825.313	5023.333984	4446.666176	13.770508
217888.781	4992.271973	4451.258789	13.677246
217747.938	5018.712402	4429.825884	13.679199
217807.168	5020.28125	4489.46582	13.691895
217864.906	5017.95752	4425.280254	13.689341
217921.156	4997.219238	4481.48584	13.670896
217991.547	5008.15918	4418.788555	13.685527
218056.484	4997.258789	4414.314453	13.685547
218118.172	4998.119629	4488.423828	13.682598
218187.806	4999.744141	4445.904297	13.695801
218246.109	5019.924805	4430.62207	13.656738
218303.844	5017.894043	4444.870117	13.677246
218368.953	5006.283672	4473.15825	13.685547
218427.063	5023.244829	4438.491152	18.759277
218484.188	5023.478518	4428.87334	13.725586
218544.297	4998.87207	4415.448242	13.67627
218600.938	5018.494629	4407.481445	13.714844
218690.438	5013.455078	4423.519043	13.688242
218716.078	5018.489746	4408.749023	13.688523
218779.406	5000.480489	4423.024802	13.683594
218836.563	5021.885742	4421.885723	13.717773
218896.578	5005.887207	4448.024902	13.68457
218953.313	5021.322754	4458.988262	13.684661
219011.094	5018.65918	4417.512207	13.700185
219072.891	5015.270896	4454.300781	13.656738
219131.888	5015.810547	4441.124512	13.649414
219188.408	5019.477051	4440.253418	13.67041
219248.047	4998.942383	4429.17827	13.694824
219304.141	5003.383301	4428.583008	13.680176
219360.734	5019.180884	4428.977539	13.655273
219430.083	5006.67334	4424.840825	13.699707
219490.381	5020.247559	4386.258836	13.685059
219558.047	4992.284434	4435.027832	13.69043
219616.813	5020.912109	4444.048805	13.714355
219677.797	5022.256371	4424.538551	13.695801
219748.813	5009.81084	4413.791504	13.704102
219814.047	4997.64502	4434.052248	13.708543
219879.703	5003.174805	4428.36377	13.691408
219936.891	5024.280273	4448.537588	13.680684
220001.531	4988.776879	4427.501465	13.685039
220057.438	5014.002441	4463.380352	13.686035
220112.703	5017.173828	4438.28248	13.680178
220171.281	5016.094727	4465.236816	13.686035
220227.781	5023.489258	4444.880352	13.711426
220283.688	5020.459961	4460.983398	13.689434
220344.219	5017.967773	4429.432129	13.65918

220404.672	5020.353027	4405.413574	13.680178
220486.594	5805.333984	4427.365234	13.67041
220524.078	5007.52832	4401.758301	13.770996
220587.563	5002.387207	4455.004883	13.777344
220647.531	5016.627441	4402.690918	13.772461
220705.297	5018.541992	4441.640625	13.685069
220762.203	5006.15332	4444.990234	13.73291
220820.281	5022.535845	4420.341797	13.654287
220879.125	5017.196777	4448.38064	13.700884
220934.563	5018.618862	4437.605469	13.663574
220990.094	5018.390293	4436.521484	13.746094
221046.125	5019.880371	4420.979492	13.681841
221102.578	5016.427246	4442.082031	13.744829
221162.109	5013.575884	4435.019531	13.669922
221217.906	5018.918845	4455.437988	13.645986
221274.813	5021.76123	4434.644531	13.709981
221334.719	5018.064453	4454.681152	13.64502
221390.297	5017.713379	4425.444336	13.845508
221446.359	5019.968309	4400.683594	13.865523
221508.297	5019.391113	4460.248047	13.700884
221562.031	5020.473145	4418.444824	13.687012
221630.375	4997.468797	4438.810059	13.858738
221690.813	4997.910158	4419.29834	13.674805
221761.25	5005.015825	4400.967773	13.687012
221827.531	4995.857422	4459.584238	13.63623
221898.547	4999.016113	4455.113281	13.663574
221952.891	4998.303223	4422.588844	13.688242
222008.859	5020.872856	4408.740723	13.686289
222069	5018.952637	4433.674316	13.705586
222128.375	5018.655273	4437.177734	13.691895
222186.938	5015.468262	4465.123047	13.856738
222243.787	6016.366211	4435.998047	13.841113
222300.063	5016.88748	4453.688985	13.691406
222359.406	4998.206006	4477.429188	13.878758
222419.156	5020.010742	4472.274902	13.855762
222477.297	5019.430176	4470.10498	13.668945
222534.109	5019.57959	4453.890625	13.688477
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222651.094	5018.096191	4428.886477	13.85918
222708.381	5017.012207	4442.702148	13.889965
222774.328	4997.079102	4446.991211	13.692871
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222888.891	5013.57373	4418.782227	13.679887
222945.953	5017.180884	4438.580547	13.699707
223005.906	5018.160158	4421.167716	13.64209
223063.625	5023.075884	4468.248535	13.671387
223121.881	5021.019043	4439.245117	13.680176
223180.313	5017.548828	4446.20168	13.708543
223236.438	5017.510742	4430.970703	13.681152
223296.359	5017.63916	4447.82793	13.647481
223355.984	5007.889648	4411.023826	13.6875
223418.859	5020.376465	4400.611816	13.654785

223478.438	5021.557617	4405.712402	13.744141
223534.797	5019.364277	4410.706608	13.657715
223590.813	4996.139116	4396.399902	13.754395
223646.583	5015.781738	4402.65625	13.686892
223706.656	5017.798828	4413.362793	13.731934
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223832.25	4994.733887	4460.866826	13.783945
223893.813	5017.320613	4454.22998	13.692383
223965.168	5012.88916	4441.432617	13.768821
224013.172	5015.88623	4419.420898	13.744141
224073.884	5017.522949	4455.984863	13.818359
224129.609	5018.677734	4436.983887	13.829102
224196.047	4891.685527	4430.654785	13.806152
224259.422	5016.320312	4418.807129	13.84668
224318.906	5018.589884	4453.960449	13.791016
224373.813	5017.939941	4463.845703	13.654297
224432.75	5018.649902	4424.182617	13.738281
224499.516	5016.625468	4432.276855	13.684082
224546.719	5011.760742	4435.596145	13.696289
224602.359	5013.444824	4402.444824	13.644631
224668.984	5018.914062	4375.51416	13.721191
224718.422	5015.778809	4401.673535	13.683105
224777.084	5018.128365	4423.70166	13.677734
224833	5018.929199	4442.202637	13.651967
224891.547	5017.448242	4455.621777	13.662109
224947.922	5015.657227	4443.106445	13.71582
225009.703	5012.577148	4413.020896	13.802246
225065.5	5016.501953	4444.082031	13.714844
225127.281	5016.066406	4454.519043	13.705586
225184.656	5018.754683	4428.138672	13.78123
225252.856	4997.918504	4438.962891	13.695801
225309.813	5020.87207	4442.755859	13.706543
225365.841	5015.333498	4423.712891	13.673828
225428.172	5018.720215	4434.776357	13.788574
225484.678	5018.618184	4428.416016	13.664651
225544.047	5017.870605	4415.669922	13.671387
225603.578	5018.088379	4460.020508	13.715332
225659.469	5016.74707	4446.000488	13.735352
225716.031	5021.694336	4431.901758	13.752441
225775.797	6020.16748	4424.12793	13.769631
225835.063	5018.201172	4404.623047	13.680684
225891.656	5016.225586	4457.205566	13.706055
225953.125	5015.067871	4452.850586	13.777344
226009.25	5013.11377	4437.25293	13.847656
226065.953	5017.84082	4439.162598	13.852051
226123.781	5019.979004	4420.463887	13.805684
226184.828	5017.883088	4433.651387	13.703125
226243.828	5018.501953	4444.612793	13.651367
226300.888	5018.457031	4427.405273	13.804199
226361.203	5015.258789	4451.33252	13.686035
226421.406	5004.810058	4452.619629	13.691406
226480.594	5015.943848	4441.755371	13.808105

226537.825	5018.204102	4452.000977	13.757324
226594.406	5018.605859	4457.135254	13.677246
226650.563	5018.148928	4423.885254	13.689822
226707.266	5016.970215	4443.730489	13.748047
226765.219	5017.25	4438.247559	13.708496
226821.031	5020.629883	4427.759766	13.754863
226879.313	5018.57668	4428.38916	13.685059
226938.141	5018.186016	4399.706055	13.706055
226992.313	5017.737305	4416.810059	13.659668
227048.531	5018.123047	4422.583282	13.681641
227107.016	5017.565918	4437.970703	13.632812
227165.313	5021.00293	4436.921875	13.722856
227227.287	5019.240723	4435.849609	13.708984
227286.083	5013.10498	4423.680176	13.662109
227343.422	5018.068428	4422.984863	13.708495
227399.838	5017.904785	4408.770508	13.838428
227458.266	5017.628906	4450.260742	13.664062
227514.875	5018.772481	4445.112305	13.775391
227571.531	5018.828711	4401.582773	13.721191
227641.047	4985.386254	4413.437012	13.687012
227697.313	5011.399355	4437.538086	13.674316
227757.688	5015.525879	4433.075884	13.616689
227814.594	5017.228516	4421.999023	13.667969
227871.125	5020.272949	4440.149414	13.678711
227928.688	5004.437888	4473.315918	13.773437
227987.710	5018.192383	4453.898926	13.668457
228044.453	5018.186982	4469.77002	13.668434
228100.313	5019.590332	4423.442871	13.695801
228161.328	5019.01709	4447.155762	13.694336
228222.156	5019.909881	4434.390625	13.684551
228279.518	5017.008789	4415.729482	13.683584
228335.953	5018.931641	4423.11377	13.685039
228391.786	5014.961914	4414.48584	13.715332
228448.672	5018.302734	4426.348145	13.689922
228509.594	5018.827246	4455.495117	13.703613
228566.734	5018.068359	4449.538821	13.679199
228622.563	5015.381818	4448.618852	13.719238
228683.328	5020.24707	4440.787109	13.678758
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228805.75	5016.04248	4473.583496	13.708543
228861.297	5014.633301	4482.619629	13.703613
228917.094	5015.797852	4421.926758	13.787578
228978.109	5014.183584	4420.671876	13.666738
229041.047	5018.256836	4425.338867	13.691406
229102.156	5012.028809	4434.869829	13.6875
229158.825	5010.890625	4417.311523	13.674318
229215.408	5018.755371	4389.800781	13.712402
229276.219	5014.32373	4405.856957	13.646508
229336.938	5018.667969	4424.181641	13.858398
229392.813	5014.285137	4441.594238	13.672363
229450.25	5017.638719	4417.479004	13.848191
229511.547	5016.497559	4439.242187	13.70459

229588.872	5015.81377	4438.510254	13.726074
229625.391	5015.791016	4461.152344	13.852344
229682.625	5017.049316	4399.159668	13.709473
229743.781	5011.247559	4428.039551	13.851562
229805.083	5016.617878	4400.617878	13.72998
229851.809	5019.690818	4394.05127	13.742187
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229975.859	5014.023437	4421.763672	13.688985
230031.328	5011.568359	4423.671387	13.786133
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230202.788	5019.90332	4423.589355	13.660158
230269.016	5018.071777	4427.778785	13.70459
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230377.547	5013.65332	4440.253418	13.82959
230435.203	5013.871582	4438.491211	13.750977
230481.109	5012.102539	4472.879395	13.678223
230547.375	5016.77002	4445.386719	13.714844
230609.281	5016.769531	4422.648926	13.730468
230665.188	5015.724809	4413.209473	13.696289
230721.672	5011.813477	4431.18467	13.696289
230779.406	5016.439453	4407.204102	13.740234
230835.719	5017.994829	4398.583496	13.663086
230893.172	5015.800781	4448.996094	13.684551
230951.188	5018.183594	4448.839355	13.772949
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231065.489	5017.479004	4460.044434	13.698289
231121.938	5014.911133	4469.247559	13.759277
231179.703	5017.047852	4437.648826	13.815918
231237.75	5013.825283	4423.770996	13.709981
231293.734	5015.642578	4432.916016	13.763872
231349.719	5013.804687	4432.616211	13.694336
231406.841	5012.350588	4433.148973	13.758789
231463.031	5013.581035	4435.434082	13.883105
231520.083	5017.97168	4427.895801	13.691885
231580.858	5018.385742	4462.981445	13.708543
231638.859	5017.923828	4431.594727	13.667969
231694.825	5018.498535	4428.588914	13.689941
231751.5	5012.125	4439.438985	13.685059
231807.906	5017.132812	4428.790039	13.728027
231864.531	5014.39208	4426.368852	13.877246
231919.968	5018.388672	4424.316895	13.759786
231976.016	5016.827148	4418.288574	13.773437
232032.828	5015.796387	4417.54248	13.686035
232091.281	5012.713867	4382.393066	13.724121
232148.625	5008.597658	4417.758301	13.828013
232205	5011.447268	4448.265825	13.70752
232262.547	5012.46875	4453.284668	13.746094
232323.516	5017.24707	4437.338355	13.766602
232378.809	5015.174316	4427.003418	13.718309
232436.813	5016.905273	4441.562988	13.671875
232492.856	5016.40626	4445.408203	13.743662

232553.906	5021.55957	4423.24707	13.888035
232614.5	5015.831836	4411.483988	13.891886
232671.406	5017.81084	4410.074218	13.878827
232727.75	5018.010742	4427.037109	13.699219
232784.891	5018.845898	4456.828199	13.714355
232842.234	5015.861814	4475.877441	13.889941
232903.518	5018.213867	4448.324707	13.879199
232984.781	5013.973145	4388.840918	13.851855
233021.516	5018.5825	4441.137207	13.897754
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233193.391	5013.389829	4444.889434	13.87334
233250.344	5015.297383	4440.818184	13.783203
233308.078	5014.891885	4417.585918	13.729482
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233656.75	5012.831152	4418.157227	13.680176
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233779.281	5014.28125	4438.473145	13.83252
233835.286	5013.438477	4414.788821	13.898973
233892.287	5014.196777	4410.85488	13.818358
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234062.938	5013.138184	4432.533891	13.801758
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234175.891	5015.024902	4400.854102	13.79834
234237.781	5016.958543	4422.912109	13.889707
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234356.016	5018.055684	4404.878758	13.833008
234413.594	5013.002441	4430.587891	13.81543
234488.841	5010.978516	4482.581523	13.889941
234531.109	5018.384768	4480.491689	13.893555
234587.787	5013.488258	4438.817187	13.79834
234643.719	5016.758348	4434.325195	13.730469
234700.094	5016.27002	4409.45752	13.736328
234758.563	5016.770896	4451.313477	13.835449
234817.788	5018.533891	4405.088408	13.748047
234881.828	4987.79834	4417.891836	13.858867
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235181.578	5013.512895	4467.818652	13.750977
235238.281	5013.856834	4430.863281	13.870898
235295.188	5012.400879	4426.848633	13.753906
235357.422	5013.94082	4454.477539	13.873828
235414.453	5012.825884	4437.888018	13.768086
235471.288	5011.386719	4385.769531	13.819336
235527.281	5015.817383	4405.825195	13.724121

235589.261	5013.634277	4404.26123	13.911621
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235703.547	5012.26709	4477.301758	13.69043
235765.234	5012.192671	4433.983667	13.896926
235821.016	5012.329102	4439.455566	13.800293
235877.813	5014.484893	4450.818848	13.909668
235934.25	5017.484893	4420.88873	13.854482
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236052.469	5014.089844	4429.956055	13.898437
236109.031	5018.342773	4425.454102	13.789551
236166.625	5016.284648	4445.576172	13.820312
236227.688	5014.408203	4480.051758	13.824219
236284.172	5016.797852	4436.158891	13.682129
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236458.625	5013.771973	4469.609863	13.91748
236514.625	5013.04248	4468.711426	13.858398
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236683.422	5010.288066	4432.886523	13.79459
236740.156	5013.835547	4443.220703	13.703125
236796	5016.638184	4413.837012	13.889941
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237163.209	5017.291016	4439.285137	13.718787
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237328.047	5009.484863	4425.486328	13.884746
237389.813	5014.416099	4418.533891	13.814941
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238136.859	5013.428223	4428.762207	13.856543
238193.859	5012.204102	4406.461426	13.921387
238249.484	5015.337402	4409.796875	13.753906
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238372.344	5010.254395	4465.197266	13.803223
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238486.453	5012.632324	4408.85918	13.744141
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238800.141	5015.349809	4449.077148	13.691406
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239122.268	5014.873828	4427.88916	13.888629
239177.625	5016.069824	4409.12793	13.89209
239239.141	5009.348145	4422.626855	13.919434
239295.484	5013.164551	4405.897695	13.908594
239352.438	5013.031738	4417.32959	13.857422
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239523.359	5009.704102	4419.855762	13.787598
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239691.75	5009.541504	4419.185099	13.754883
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239862.989	5007.927246	4432.536133	13.908203
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240270.391	5016.865723	4405.402832	13.835937
240327.078	5015.407715	4420.615723	13.880078
240383.841	5014.751953	4405.436035	13.813985
240442.016	5011.824707	4410.788088	13.884277
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240621.158	5007.852344	4388.902344	13.918504
240677.188	5008.354004	4435.649066	13.799805
240733.547	5011.597866	4382.885254	13.745117
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241420.875	5010.614258	4431.293457	13.77002
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241709.813	5010.932129	4480.716309	13.67334
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241881.422	5004.557617	4412.298367	13.717285
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242352.438	5009.881818	4434.50283	13.701172
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242526.781	5001.239258	4419.350089	13.738328
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244137.266	5010.132324	4414.425293	13.681621
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244250.297	5012.533203	4391.780273	13.688922
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244482.203	5013.379395	4432.128953	13.667989
244539.063	5011.14209	4435.040039	13.789062

244594.825	5011.392578	4443.800588	13.893848
244851.359	5013.589844	4423.887559	13.905782
244708.125	5014.289043	4427.625488	13.71875
244784.844	5013.843088	4425.151367	13.837891
244822.439	5010.838428	4410.310547	13.673828
244879.469	5013.01416	4419.84043	13.708543
244936.125	5011.170898	4446.499023	13.744629
244997.888	5010.822754	4431.54248	13.703125
245053.969	5009.010742	4428.29834	13.704102
245111.484	5009.314453	4410.134277	13.751953
245172.422	5009.734375	4437.505371	13.713887
245231.438	5010.487559	4453.740234	13.669922
245287.484	5010.775391	4420.680918	13.699707
245348.808	5012.254395	4435.288133	13.679887
245408.938	5011.131348	4435.631836	13.678758
245484.328	5008.849809	4406.955588	13.834961
245520.547	5011.538551	4460.818848	13.683594
245577.5	5015.834277	4450.991899	13.88457
245838.788	5009.480957	4452.711914	13.682817
245895.583	5015.272461	4420.28416	13.684082
245751.172	5012.588895	4433.818211	13.748582
245808.688	5010.788821	4430.224121	13.712402
245883.5	5008.568848	4432.108398	13.87041
245919.408	5009.274902	4443.581523	13.737793
245975.563	5010.89043	4422.819629	13.65332
246031.172	5014.021973	4431.583496	13.660645
246087.286	5012.251953	4436.502441	13.879199
246144.422	5012.578813	4432.715332	13.701172
246201.786	5015.59082	4415.867187	13.68457
246258.172	5010.382324	4409.882793	13.891895
246315.891	5009.099121	4390.17827	13.882617
246377.438	5007.390137	4419.598145	13.67041
246434.797	5011.138184	4424.405273	13.862109
246490.438	5005.85488	4419.589121	13.786113
246547.922	5010.52832	4412.270998	13.877734
246605.938	5008.100088	4415.770508	13.760254
246668.625	5009.98291	4413.331055	13.693359
246726.281	5012.081523	4432.499023	13.748535
246784.856	5015.833301	4445.742876	13.754883
246842.265	5015.068848	4428.115723	13.798318
246898.516	5015.60498	4421.487773	13.897481
246960.063	5013.815234	4429.34082	13.884277
247016.438	5018.17834	4434.551758	13.861328
247074.872	5017.177734	4484.008789	13.828172
247131.141	5010.067617	4416.180156	13.79834
247188.219	5012.477051	4451.460937	13.710937
247243.734	5010.449219	4415.058594	13.754883
247305.516	5013.280254	4424.229004	13.652832
247366.219	5008.660845	4428.785898	13.848833
247423.125	5011.567129	4453.108887	13.685059
247484.141	5011.973833	4448.587402	13.72168
247539.813	5011.586426	4399.861818	13.780742

247801.5	5011.740234	4428.929199	13.787109
247858.489	5011.11084	4395.078813	13.842286
247715.125	5011.365723	4417.458055	13.832031
247772.063	5009.411133	4392.585449	13.818848
247832.158	5013.312012	4425.783184	13.787109
247893.125	5010.253418	4418.080059	13.818408
247949.016	5007.585846	4420.735352	13.766825
248005.469	5008.246582	4417.643066	13.829102
248068.438	5008.741689	4414.285898	13.828813
248127.856	5011.217285	4417.725098	13.883301
248184.188	5011.937012	4423.834277	13.893555
248242.578	5012.878418	4424.038133	13.928887
248298.719	5013.060059	4441.302734	13.788621
248355.438	5011.262095	4428.833496	13.780782
248413.984	5011.067871	4387.716797	13.79248
248475.344	5008.614746	4418.687286	13.904287
248531.5	5008.827637	4412.654785	13.922383
248583	5008.723833	4438.012207	13.836914
248654.109	5013.015137	4393.881328	13.852051
248711.375	5012.794434	4429.456586	13.888899
248768.813	5011.763872	4418.760254	13.897481
248828.313	5015.520508	4397.596191	13.820801
248883.625	5011.558105	4428.490723	13.924318
248941.813	5010.48875	4427.865982	13.899414
249003.688	5011.256838	4413.13918	13.916604
249059.75	5010.906738	4388.330566	13.775879
249120.531	5009.554199	4418.104492	13.797383
249181.219	5008.085937	4419.381348	13.870117
249238	5008.914082	4394.208543	13.904785
249293.297	5008.415527	4411.181821	13.87207
249349.031	5007.598833	4428.882812	13.893555
249410.408	5010.488238	4435.103518	13.783203
249471.156	5011.171387	4438.57373	13.88916
249528.083	5011.955078	4403.195312	13.854004
249588.859	5015.977051	4434.52002	13.902832
249650.375	5015.825977	4412.280762	13.853516
249708	5013.232422	4418.791504	13.88209
249757.578	5012.313477	4388.280742	13.918457
249825.063	5009.838426	4429.994141	13.867878
249881.083	5009.834277	4429.95752	13.824219
249938.922	5011.33252	4417.825884	13.875488
249997.953	5012.090121	4402.621484	13.901855
250058.453	5011.804687	4417.812012	13.939941
250114.719	5011.016802	4427.447266	13.838035
250170.672	5008.405273	4449.708543	13.910156
250228.109	5011.26709	4457.847168	13.948242
250285.047	5007.954102	4453.849121	13.929199
250341.125	5009.712881	4425.841113	13.822266
250396.489	5012.507324	4430.763872	13.88502
250457.787	5018.708984	4406.132812	13.918945
250515.063	5012.633789	4414.583984	13.919434
250571.344	5013.36084	4437.434082	13.916016

250633	5013.54248	4409.384258	13.830664
250689.375	5011.943848	4430.738816	13.91748
250748.813	5011.611328	4405.78125	13.902832
250803.25	5012.031738	4428.407227	13.875
250859.547	5014.010742	4449.257324	13.895096
250916.719	5008.203125	4423.782227	13.914551
250872.656	5009.589355	4391.950684	13.9375
251030.063	5008.54834	4414.342773	13.829687
251088.266	5005.808445	4438.291504	13.907715
251143.906	5005.572266	4431.810059	13.842285
251199.303	5005.437012	4435.808445	13.929199
251257.156	5005.557617	4443.576172	13.86377
251315.234	5010.657227	4439.999023	13.818848
251372.734	5008.076125	4438.306152	13.917969
251430.188	5011.875781	4461.853516	13.823242
251487.172	5014.785825	4431.978562	13.791016
251544.031	5010.751953	4428.084238	13.896973
251601.25	5015.211814	4430.253418	13.922852
251662.583	5010.408691	4440.772461	13.880859
251719.047	5009.258788	4408.848146	18.912109
251774.734	5009.468797	4438.901855	13.911621
251830.859	5008.714355	4432.479004	13.922363
251887.672	5007.946289	4444.932129	13.919922
251943.844	4899.428711	4408.161133	13.927246
252001.156	5001.587891	4424.649414	13.929199
252058.344	5005.732422	4420.887207	13.824805
252114.094	5008.293457	4414.882129	13.923628
252170.719	5008.918018	4420.846216	13.900391
252227.203	5011.991699	4438.943848	13.935059
252288.438	5016.673242	4417.033891	13.923828
252344.5	5016.082773	4434.072754	13.931841
252402.287	5013.781738	4467.177734	13.914561
252458.672	5014.717285	4486.318336	13.939453
252515.094	5013.26123	4428.949707	13.941895
252570.734	5013.993184	4415.548289	13.932617
252628.906	5013.798828	4426.602051	13.915627
252685.813	5007.356445	4435.10488	13.938477
252743.018	5008.747559	4460.281738	13.94873
252803.484	5004.492187	4433.295888	13.928223
252861.891	5004.846181	4438.88457	13.942871
252918	5008.482422	4425.79834	13.90918
252976.188	5007.582031	4441.035156	13.916016
253033.063	5010.189941	4468.114258	13.940918
253089.781	5012.518113	4439.218797	13.938477
253146.188	5014.545898	4395.944336	13.919922
253202.641	5012.291982	4375.662109	13.936036
253259.469	5011.660645	4421.845703	13.874023
253315.813	5012.679199	4400.168504	13.942871
253371.703	5012.870117	4404.742678	13.947754
253433.328	5010.719727	4453.170898	13.94873
253489.156	5009.472168	4403.849121	13.876953
253545.234	5008.010742	4422.07668	13.959473

253801.031	5006.513184	4439.454102	13.92334
253859.344	5006.031738	4484.001485	13.927734
253717.563	5005.751953	4449.033691	13.925293
253774.484	5007.256301	4432.959473	13.921387
253835.953	5006.155273	4444.245805	13.929199
253883.156	5007.817876	4414.380352	13.94873
253949.938	5007.621094	4423.926781	13.910156
254006.938	5013.27002	4431.557129	13.891113
254063.359	5010.294922	4391.008301	13.927734
254121.078	5012.888184	4421.271484	13.94043
254182.156	5012.448707	4418.114258	13.92041
254238.516	5012.384277	4428.180845	13.944824
254294.888	5011.774414	4430.544922	13.914551
254350.922	5014.459473	4436.108388	13.918945
254407.047	5011.888184	4448.28418	13.921875
254462.822	5013.853027	4449.15918	13.913574
254520.25	5011.401367	4424.132324	13.912588
254576.25	5012.473145	4433.901855	13.907715
254632.825	5012.778809	4443.577148	13.928223
254688.872	5008.430864	4444.845215	13.987285
254745.858	5010.272949	4388.12783	13.922363
254800.858	5012.80791	4438.503908	13.932129
254858.094	5007.120605	4398.327637	13.935547
254918.872	5007.188018	4440.798828	13.921875
254980.141	5005.972668	4421.773437	13.888848
255036.094	5008.063477	4454	13.912109
255098.859	5005.884748	4375.815723	13.905782
255158.888	5009.508789	4444.891602	13.911133
255216.872	5010.294922	4457.91748	13.929199
255274.203	5008.78541	4438.094238	13.900391
255330.234	5010.871191	4449.109863	13.895896
255387.141	5008.854004	4448.971191	13.939453
255443.313	5012.648973	4450.248582	13.913574
255505.172	5010.788574	4479.612793	13.932617
255562.109	5012.798387	4453.880371	13.907227
255617.856	5010.797383	4413.844238	13.916016
255674.047	5012.494629	4407.562012	13.915527
255734.828	5012.862793	4438.124823	13.90625
255795.328	5008.378908	4428.853613	13.933594
255850.859	5008.730957	4479.885527	13.910645
255907	5005.510742	4429.680664	13.938941
255963.344	6006.397461	4467.308894	13.940918
256024.531	5009.269043	4421.155273	13.899414
256085.375	5002.278785	4423.458473	13.929887
256145.703	5004.084238	4410.530273	13.835837
256201.188	5007.549806	4461.475686	13.947754
256262.422	5006.782207	4431.216309	13.90625
256323.797	5008.211914	4443.844727	13.904785
256379.984	5007.094727	4402.893184	13.916992
256436.313	5004.36377	4408.505371	13.943359
256496.859	5008.998094	4410.021484	13.914062
256554.359	5007.257612	4377.885547	13.937988

256614.968	5012.284688	4418.81084	13.892578
256672.875	5015.814941	4383.008277	13.946288
256730.578	5019.883281	4410.787598	13.918457
256791.344	4994.541018	4383.520508	13.916504
256847.583	5017.383281	4433.005371	13.890137
256904.469	5012.445801	4443.602538	13.924805
256965.25	5008.38602	4425.180178	13.933105
257022.297	5011.486328	4450.566406	13.93457
257078.822	5011.77002	4414.602051	13.922383
257138.234	5009.829102	4431.291892	13.907715
257196.408	5013.130868	4428.813574	13.922363
257253.547	5012.089844	4423.463887	13.935547
257309.468	5010.523437	4421.239748	13.911133
257366.841	5010.270608	4437.708488	13.935547
257424.313	5010.586814	4405.32373	13.888872
257481.969	5010.724121	4432.382812	13.93457
257542.313	5009.088181	4431.348145	13.875
257602.609	5007.600098	4430.900381	13.950884
257663.734	5008.899902	4380.05957	13.922852
257721.156	5005.882812	4404.842285	13.819822
257783.203	5007.811328	4388.298387	13.934082
257838.922	5010.751465	4446.73281	13.938035
257897.063	5012.402344	4411.798805	13.92334
257953.906	5012.821582	4427.12793	13.971191
258011.094	5013.647949	4437.452837	13.931152
258072.781	5012.487558	4425.348809	13.908738
258130.083	5010.814453	4426.405273	13.924316
258181.422	5013.343282	4438.29248	13.910845
258247.809	5013.222188	4424.181408	13.931841
258309.938	5011.412598	4374.438477	13.902344
258368.108	5012.255858	4412.190818	13.848242
258423.788	5012.442383	4432.838814	13.925781
258480.858	5010.788551	4431.115234	13.918457
258537.188	5012.013672	4388.715332	13.890825
258595.078	5005.188845	4370.657715	13.950195
258655.516	5008.908738	4412.22188	13.914082
258710.891	5006.566406	4405.703613	13.94043
258787.516	5008.318895	4488.958981	13.982617
258824.858	5003.448218	4408.508301	13.912588
258880.358	5005.088428	4408.378385	13.932817
258942.518	5009.518555	4413.833384	13.908881
258998.891	5007.891408	4387.884746	13.95188
259054.578	5007.145886	4428.528809	13.887207
259111.188	5008.034688	4421.09082	13.946777
259168.766	5011.881836	4482.84209	13.908891
259224.672	5009.801758	4423.138848	13.925781
259280.856	5008.803518	4432.433105	13.928758
259342.891	5010.135254	4440.074707	13.93457
259403.375	5009.937988	4453.362783	13.928687
259460.188	5012.950195	4420.881888	13.831152
259517.108	5011.063985	4426.195289	13.918945
259577.438	5012.797363	4430.285156	13.948242

258834.313	5008.81543	4437.810059	13.921387
258891.288	5008.647949	4418.597188	13.93457
258752.781	5005.226582	4419.014648	13.937988
258813	5007.191885	4411.977539	13.943848
258889.018	5006.948242	4398.885352	13.839453
258924.719	5008.372559	4392.982891	13.878418
258980.813	5008.545898	4415.702148	13.90825
260037.547	5011.208543	4412.511719	13.949219
260083.203	5010.55127	4431.134786	13.902832
260149.672	5012.09868	4424.035156	13.925293
260205.359	5008.293527	4415.826172	13.90818
260262.219	5005.125488	4447.443848	13.930884
260318.516	5005.988309	4453.10488	13.92041
260375.859	5008.852832	4428.842773	13.948777
260432.094	5008.781738	4428.242187	13.922363
260490.531	5008.38916	4426.882891	13.912109
260547.078	5009.219238	4449.96875	13.967285
260603.922	5008.823828	4443.749512	13.945801
260665.297	5011.783691	4428.888941	13.903809
260721.872	5013.612305	4417.622559	13.888793
260778.078	5009.509768	4419.390371	13.980837
260834.141	5011.879482	4424.544434	13.989453
260893.953	5011.438035	4443.285898	13.881348
260950.158	5014.097858	4403.848973	13.800391
261007.219	5011.680176	4381.365234	13.905782
261063.797	5010.262885	4383.365234	13.922852
261120.453	5008.523926	4417.986797	13.958496
261176.531	5005.30127	4425.712891	13.918945
261233.438	5002.391602	4415.602539	13.946289
261290.563	5000.141113	4410.811523	13.918457
261346.609	5008.165527	4424.825884	13.935547
261402.422	5005.350088	4398.11377	13.918457
261459.078	5007.518068	4435.501485	13.928223
261514.688	5007.632812	4448.195801	13.906738
261575.547	5007.432617	4440.800877	13.910845
261633.25	5007.529785	4472.529297	13.912588
261694.781	5012.825195	4413.188965	13.925781
261754.583	5012.06543	4407.436835	13.927246
261811.25	5014.002441	4387.666504	13.942383
261872.268	5011.585645	4423.891113	13.911133
261933.75	5013.637207	4424.612793	13.918457
261993.813	5014.393555	4378.906782	13.947288
262050.984	5008.181152	4398.599609	13.88623
262108.641	5010.909668	4397.303223	13.911821
262164.844	5013.918845	4427.888238	13.945912
262225.688	5009.472656	4457.823535	13.940918
262286.313	5008.038574	4447.870605	13.907227
262343.281	5009.821777	4454.863281	13.92827
262399.489	5008.943848	4425.518086	13.933594
262458.25	5007.018113	4409.883301	13.911621
262513.083	5008.585449	4411.581055	13.928711
262569	5010.141113	4419.745805	13.893555

262624.868	5007.082031	4386.800586	13.914062
262681.031	5010.099121	4379.041982	13.892578
262738.656	5011.495117	4428.777344	13.906738
262795.825	5014.700684	4432.238281	13.938477
262856.375	5013.02002	4420.481934	13.954102
262917.75	5013.328125	4432.97168	13.938477
262978.313	5013.408203	4410.777832	13.922363
263035.531	5016.046875	4389.719727	13.929199
263098.844	5011.511719	4406.317871	13.950684
263155.75	5010.855762	4442.204102	13.929199
263211.969	5009.842871	4438.445312	13.929887
263268.625	5004.895312	4410.8125	13.87783
263329.406	5004.856445	4428.352539	13.935059
263386.868	5008.491211	4427.893359	13.972856
263445.813	5011.281738	4407.043457	13.893555
263501.625	5011.709961	4412.842285	13.824707
263557.75	5011.770508	4397.552246	13.908203
263619.868	5009.85332	4440.015825	13.891802
263675.281	5010.881836	4432.882324	13.847656
263736.719	5010.095215	4397.843262	13.864258
263792.968	5008.822558	4413.388899	13.884277
263848.719	5007.58668	4425.174318	13.929887
263904.531	5005.687891	4421.916504	13.938965
263966.125	5007.652832	4408.345703	13.821289
264027.438	5007.222656	4415.777344	13.919434
264084.094	5007.705078	4439.572268	13.880859
264139.594	5005.886016	4442.55127	13.878485
264195.375	5005.780782	4380.440918	13.86823
264256.125	5006.897754	4442.478516	13.851074
264312.875	5006.871875	4422.875877	13.70459
264368.875	5009.871875	4438.518802	13.914551
264424.5	5007.005371	4452.01418	13.915039
264482.488	5008.257324	4437.291016	13.939453
264543.375	5003.055176	4425.91748	13.803223
264600.375	5006.34668	4467.771973	13.879883
264655.75	5004.978516	4454.353027	13.895508
264712.868	5005.744829	4470.835742	13.945312
264768.063	5007.846484	4435.497559	13.917989
264828.531	5004.331543	4453.597656	13.884277
264882.844	6006.771973	4423.444824	13.878418
264939.531	5005.35791	4424.720215	13.722856
264996.813	5008.543457	4403.358388	13.805884
265052.868	5007.547383	4400.312012	13.863281
265109.844	5008.261719	4398.581797	13.728027
265171.694	5009.788086	4398.205078	13.822754
265228	5012.374023	4384.25	13.929687
265285.219	5011.685039	4381.341797	13.934082
265343.781	5009.258836	4358.025391	13.930178
265401.219	5013.918457	4403.688477	13.757812
265457.438	5011.992876	4429.160645	13.807129
265519.781	5014.333496	4425.353616	13.810547
265581.938	5008.774414	4437.855762	13.878808

265637.313	5012.48877	4417.187989	13.827148
265664.6	5003.788133	4387.42827	13.733887
265751.438	5008.032715	4408.899902	13.884258
265810.219	5007.656738	4394.307129	13.665039
265866.5	5007.90918	4422.9375	13.856445
265922.75	5005.279785	4451.352051	13.857031
265979.281	5008.202637	4447.272481	13.824318
266035.5	5007.868457	4421.918504	13.867878
266095.719	5001.285625	4428.649902	13.836523
266152.531	5004.397461	4488.881328	13.88377
266214.125	5000.542889	4464.311035	13.783203
266270	5002.503806	4457.8125	13.672852
266326.856	5005.047363	4415.779297	13.85498
266382.531	5008.878385	4442.403809	13.933584
266441.063	4998.508789	4401.345703	13.884258
266502.75	5002.910645	4404.814746	13.732422
266559.094	5004.487793	4404.107422	13.868852
266615.531	5006.892578	4415.824805	13.842871
266672.719	5008.418504	4418.228582	13.771973
266729.344	5008.487305	4408.95459	13.888672
266788.219	5014.032715	4433.328125	13.853027
266843.5	5010.472856	4421.722856	13.938965
266904.781	5011.538133	4459.435547	13.933105
266962.75	5014.372559	4405.338914	13.930884
267020.063	5012.548387	4394.700185	13.87207
267078.906	5012.185527	4411.724121	13.918504
267135.313	5009.88877	4414.173828	13.899414
267191.5	5008.822286	4438.960449	13.933584
267248.344	5003.980469	4405.888719	13.932517
267304.875	5003.586914	4413.633301	13.880859
267361.25	5000.259788	4422.542889	13.831841
267417.438	5002.048828	4395.734375	13.81748
267478.719	5002.884258	4399.413574	13.907227
267534.438	5004.351074	4380.283891	13.902832
267590.858	5000.585703	4385.148928	13.838477
267647.75	5002.328813	4413.741211	13.933584
267703.625	5002.728482	4437.381836	13.874023
267759.188	5007.458543	4437.858398	13.913088
267819.719	5008.813865	4428.5	13.885896
267874.938	5010.378883	4424.441406	13.878906
267932.408	5010.25293	4424.202148	13.90825
267988.281	5011.168434	4402.842578	13.898973
268045.868	5008.937988	4420.774414	13.881328
268102.625	5012.673828	4398.287578	13.883789
268159.938	5003.348145	4384.318848	13.914082
268218.25	5001.489748	4427.858888	13.902832
268274.563	5001.538088	4435.554887	13.788574
268331.188	5002.488281	4413.329102	13.780742
268387.583	5002.124512	4395.168018	13.900879
268445.406	5007.415527	4383.0825	13.745117
268503.156	5008.562012	4404.249512	13.875488
268558.906	5012.838355	4424.837891	13.890137

268815.408	5010.200195	4450.205588	13.873047
268877.281	5003.933105	4400.224609	13.908203
268737.375	5005.92334	4431.835937	13.90625
268793.75	5001.886328	4431.19043	13.829102
268854.531	4988.695312	4436.147949	13.889414
268818.125	5000.395996	4409.298828	13.887895
268879.083	5003.180176	4420.76416	13.958884
269034.989	5002.702837	4426.810352	13.92627
269096.688	5000.873833	4415.367187	13.948219
269152.719	5006.884062	4431.460937	13.904785
269209.689	5006.522949	4422.692871	13.915527
269268.031	5006.352539	4418.177734	13.902344
269321.75	5009.031738	4423.178223	13.908691
269378.438	5006.30127	4403.358398	13.947268
269434.5	5005.138672	4406.600588	13.914062
269490.281	5002.745117	4424.878418	13.910158
269548.408	5002.743184	4438.791992	13.912598
269603.219	4999.32959	4427.07373	13.910645
269664.344	5000.8875	4393.884748	13.916016
269725	4999.964844	4405.348145	13.930176
269781.084	5003.873535	4446.58252	13.910156
269837.813	5005.183594	4442.29248	13.891802
269895.281	5002.478074	4434.758301	13.908891
269951.658	5004.447754	4450.445312	13.86582
270008.084	5001.414551	4458.888945	13.911821
270064.888	5002.814453	4461.853027	13.913088
270126.75	5001.238746	4451.140137	13.926758
270187.156	4997.689434	4454.556841	13.944824
270248.125	4998.848242	4427.702837	13.961428
270303.719	4998.275391	4439.232422	13.948242
270360.684	4998.222658	4460.044922	13.924316
270416.625	5001.255859	4478.405273	13.920898
270471.5	4998.185547	4398.808105	13.919922
270532	4996.981914	4427.079613	13.90332
270683.438	4996.769043	4417.809082	13.93457
270649.408	4997.27832	4441.358934	13.935059
270711.219	4999.515137	4454.788839	13.92627
270767.408	5002.318895	4432.042989	13.888973
270824.344	4998.809375	4454.435059	13.927734
270880.908	5003.885742	4456.754395	13.903808
270938.125	5003.442383	4432.708496	13.928223
270993.813	5002.35084	4440.888652	13.929198
271049.281	5002.313885	4478.682793	13.918018
271105.281	4999.728074	4413.59082	13.919822
271161.838	5001.13823	4445.443359	13.949707
271217.594	4994.887461	4424.802246	13.918845
271278.825	4992.305864	4404.683874	13.924318
271339.75	4991.551758	4400.518088	13.938477
271400.688	4994.439941	4434.325195	13.945312
271462.625	4991.902832	4433.324707	13.923828
271522.063	4991.30957	4434.589809	13.919434
271578.125	4997.397461	4417.894043	13.939941

271633.813	4998.274414	4412.739746	13.9375
271690.781	5000.922652	4399.558594	13.915039
271747.719	5003.310547	4413.846191	13.947268
271808.5	5004.576172	4437.071289	13.937988
271865.375	5007.325694	4352.456543	13.958543
271922.5	5012.075684	4400.07373	13.920898
271979.688	5014.027344	4426.337402	13.897461
272036.094	4998.162109	4413.967285	13.908891
272095.908	4995.850098	4411.258348	13.940918
272153.158	4998.333984	4413.273437	13.925293
272210.281	4997.512695	4448.168945	13.911821
272267.219	5000.533203	4425.45459	13.888184
272327.75	4998.168457	4432.387895	13.930664
272388.281	5004.633203	4437.269043	13.919434
272445	5003.212402	4438.502441	13.949219
272501.813	5001.262695	4428.426758	13.924805
272558.219	4991.485273	4425.943359	13.932129
272619.281	4999.111818	4439.075195	13.894766
272675.594	4990.055684	4428.768531	13.934082
272736.908	4992.26709	4435.248094	13.90625
272786.313	4993.158691	4388.917969	13.896484
272845.781	4995.708684	4407.632324	13.923823
272901.825	4995.339355	4382.116899	13.925293
272958.063	4998.824219	4423.128485	13.914062
273014.063	4998.612207	4407.239746	13.960937
273071.094	4999.689453	4446.140137	13.948777
273132.158	4998.080078	4420.930684	13.910156
273188.125	5000.289551	4440.69873	13.937988
273245.125	4997.935547	4447.803516	13.930176
273301.875	4998.759277	4488.690918	13.918945
273358.406	4994.029826	4459.721191	13.907227
273414.594	4995.344727	4463.057617	13.930176
273471.406	5002.922363	4452.450684	13.929199
273533.844	5004.328813	4430.504883	13.932129
273590.5	5005.015137	4442.213378	13.929199
273652.188	5008.495805	4395.655273	13.925781
273708.158	5008.562988	4406.836426	13.916992
273764.531	5004.168945	4406.501953	13.947268
273821	5001.733887	4411.87041	13.929687
273878.625	5001.643086	4429.158203	13.941406
273932.25	5001.052734	4464.771973	13.942871
273990.031	4998.747559	4458.840625	13.915039
274048.969	4994.972658	4416.720703	13.918992
274104.719	4998.185547	4442.34376	13.930664
274161.75	5002.510254	4427.304199	13.912109
274219.5	5006.970215	4429.540527	13.911621
274275.719	5012.911133	4427.182129	13.905782
274331.375	5013.683105	4407.140625	13.926758
274389.594	5016.352539	4413.455078	13.916504
274446.563	5012.473145	4431.688992	13.93457
274506.75	5015.332031	4463.104004	13.903809
274563.375	5012.314841	4429.770508	13.952148

274620.063	5013.306152	4437.626465	13.938965
274681.969	5010.652832	4440.975096	13.950196
274737.781	5013.427734	4461.574707	13.917989
274795.25	5010.67041	4423.050293	13.962402
274853.719	5007.819829	4402.661621	13.932617
274909.5	5003.967773	4436.274902	13.883789
274968.5	5006.119141	4411.105469	13.904785
275026.063	5007.719727	4412.15332	13.916604
275084.819	5011.068379	4438.048828	13.891113
275146.156	5008.571777	4425.747559	13.886484
275202.281	5012.521484	4436.454102	13.884766
275259.219	5014.20752	4410.970703	13.902832
275316.489	5012.030273	4388.858887	13.919434
275374.219	5012.344238	4400.730469	13.916992
275432.25	5013.658203	4394.072754	13.895996
275489.188	5013.202637	4428.872559	13.94043
275547.219	5015.67627	4436.421387	13.940918
275604.875	5014.332031	4425.463379	13.932617
275663.436	5015.42041	4414.786875	13.912598
275720.688	5015.177246	4431.660176	13.906736
275777.844	5012.937988	4413.947754	13.938965
275838.125	5013.259766	4428.675283	13.92627
275894.531	5009.975586	4441.316406	13.945801
275855.583	5008.797852	4459.532227	13.902832
276013.906	5004.706055	4457.435059	13.964644
276071.125	5005.516802	4422.9375	13.935059
276127.719	5005.70186	4413.756838	13.916992
276184.375	5008.533203	4410.324707	13.906736
276242.344	5012.885362	4405.834961	13.900879
276303.781	5015.929199	4425.427246	13.814082
276359.76	5014.075195	4436.734375	13.93457
276418.125	5017.57959	4423.867187	13.907227
276479.156	5016.476562	4444.358834	13.847288
276538.344	5018.717285	4403.875	13.804785
276600.219	5015.010742	4428.192871	13.933694
276662.5	5015.069338	4420.35791	13.924805
276718.031	5017.382324	4437.724609	13.910156
276778.888	5018.81377	4430.297652	13.932129
276834.344	5009.91748	4412.586145	13.842383
276890.719	5009.390825	4413.609863	13.910158
276947.094	5008.224609	4400.777832	13.888872
277008.644	5011.96582	4428.712891	13.917969
277064.344	5012.140137	4438.751953	13.941895
277125.094	5009.847656	4424.508789	13.90332
277181.75	5012.523437	4403.475098	13.955078
277238.094	5013.852539	4434.705078	13.918922
277298.125	5011.173828	4432.088379	13.915527
277353.75	5011.434082	4424.889829	13.912598
277409.938	5002.873047	4420.564453	13.938477
277466.438	5003.28541	4435.882617	13.928711
277524.188	5005.891895	4418.192871	13.87793
277580.781	5002.92041	4445.964844	13.929199

277638.281	5011.380859	4436.753906	13.946289
277695.844	5009.875	4419.473693	13.904785
277752.313	5013.72168	4391.034888	13.90918
277808.26	5014.590332	4448.25	13.918504
277864.813	5014.277832	4421.826172	13.945312
277922.344	5014.009277	4425.221191	13.916992
277979.908	5014.727539	4434.919922	13.892578
278038.375	5014.771484	4421.214844	13.915527
278095.825	5013.708961	4410.097858	13.890864
278158.5	5009.968262	4426.347656	13.963125
278216.908	5011.423828	4430.377441	13.891602
278273.656	5012.19043	4445.283945	13.939941
278330.313	5009.108398	4467.254395	13.936523
278386.888	5007.272481	4418.348191	13.893555
278442.375	5005.652832	4420.029785	13.91748
278499.531	5004.685527	4428.283184	13.907715
278556.438	5002.379395	4402.790039	13.953125
278612.438	5002.123047	4395.578125	13.896035
278669.656	5000.862305	4424.081035	13.960449
278726.031	5002.976562	4398.524414	13.948242
278782.688	5008.48877	4391.612305	13.932617
278839.563	5008.584473	4418.303711	13.940918
278896.125	5010.649088	4384.588426	13.90332
278953.344	5011.439941	4402.858887	13.93457
279010.375	5012.742676	4387.896484	13.934082
279067.594	5013.713379	4388.762895	13.918457
279130	5011.348191	4400.93457	13.912109
279190.75	5011.815918	4426.453813	13.92041
279248.688	5012.754883	4412.960449	13.931641
279304.375	5006.850879	4428.743184	13.907715
279360.031	5004.42041	4411.384786	13.922852
279418.094	5001.289086	4416.632812	13.921387
279473.825	5001.087891	4376.852061	13.914082
279535.083	5006.708984	4408.991699	13.911133
279592.438	5011.161367	4411.189035	13.911133
279648.438	5012.422363	4432.683105	13.897481
279704.838	5014.074707	4421.990234	13.89375
279765.438	5013.549316	4459.89943	13.918982
279821.313	5012.85625	4458.169434	13.938895
279882.469	5011.925293	4437.841113	13.910645
279939.781	5015.608887	4438.164882	13.899414
279999.844	5015.983388	4424.920898	13.940918
280058.825	5012.94043	4390.844338	13.910845
280114.825	5013.34375	4425.912589	13.944338
280170.219	5009.877441	4427.402344	13.93467
280226.313	5008.927246	4451.893066	13.945801
280282.438	5010.660645	4427.564453	13.924805
280338.583	5009.421875	4426.34888	13.888184
280395.656	5005.363027	4383.009906	13.910168
280452.408	5005.99707	4414.416504	13.921875
280510	5004.17827	4419.505858	13.91748
280568.531	5010.082031	4396.423828	13.925781

280624.813	5011.669434	4366.534668	13.946777
280685.583	5011.105489	4404.538521	13.916016
280745.844	5013.895508	4393.454102	13.945312
280807.813	5016.039082	4418.428223	13.935059
280883.75	5017.912598	4426.722188	13.897949
280920.281	5014.878223	4407.980937	13.898926
280977.875	5017.970215	4430.140137	13.930176
281034.813	5011.565918	4422.765137	13.915527
281098.844	5014.048828	4415.391602	13.922363
281152.781	5006.589844	4384.615723	13.90825
281213.844	5009.568848	4388.737793	13.913086
281270.25	5009.251953	4422.637207	13.932129
281328.406	5011.483398	4455.255859	13.925781
281383.5	5002.084981	4428.53418	13.93457
281442.063	5004.857227	4428.066895	13.943359
281488.125	5005.87334	4411.187988	13.9375
281554.344	4997.820805	4408.870605	13.935059
281618.583	5003.674805	4392.418992	13.955588
281673.344	5006.213887	4402.777832	13.957031
281729	5009.685059	4386.604004	13.944824
281785.313	5010.250977	4424.626953	13.942871
281842.5	5005.197754	4439.222188	13.94043
281903.438	5012.165039	4434.203813	13.898902
281959.5	5011.736328	4396.035845	13.947754
282017.125	5015.572266	4416.165527	13.893086
282075.625	5016.719238	4455.538133	13.961914
282132.719	5018.766602	4397.811035	13.830884
282193.063	5010.747559	4396.708496	13.916982
282254.844	5010.334981	4416.068848	13.924805
282310.813	5004.203813	4432.050781	13.920898
282368.563	5005.100098	4396.830371	13.918457
282424.989	5004.280527	4423.380371	13.917989
282485.094	5006.931641	4428.988258	13.952637
282548.25	5010.48584	4452.278909	13.934082
282603.125	5013.061035	4482.089355	13.920898
282680.688	5014.358887	4462.828813	13.914082
282717.688	5012.80127	4422.521484	13.927248
282775.25	5018.330078	4445.083884	13.904297
282831.438	4999.583984	4411.842383	13.918982
282889	5002.411133	4463.881836	13.922852
282945.158	4997.09688	4477.084961	13.927734
283001.781	5004.14209	4433.593282	13.897461
283057.825	5007.223145	4409.491889	13.921387
283113.719	5011.805884	4391.494629	13.935059
283170.438	5013.707031	4414.240234	13.915039
283231.313	5015.711426	4407.112793	13.901367
283288.781	5012.818848	4430.305178	13.92334
283350.781	5018.203813	4408.283457	13.901387
283417.344	5006.641113	4379.905273	13.957031
283507.5	4988.904297	4413.814453	13.912598
283565.5	5005.08252	4428.551035	13.812988
283621.781	5002.568406	4406.705586	13.901367

283678.813	5005.037588	4452.01416	13.968797
283739.594	5008.183105	4452.945801	13.936035
283797.094	5007.331543	4414.054199	13.938523
283858.719	5015.331065	4421.280039	13.928223
283915.469	5014.451172	4459.875977	13.924805
283972.375	5016.858887	4459.228027	13.949219
284028.158	5020.280039	4451.847949	13.916504
284089.406	5020.680918	4449.947754	13.928711
284148.906	4996.914551	4421.320312	13.927734
284204.125	4998.703513	4418.308594	13.945801
284265.781	4997.397949	4415.68748	13.908738
284324.5	5000.181841	4400.78248	13.90918
284381.563	5005.429887	4430.671875	13.948289
284439.75	5008.209473	4418.823535	13.945801
284497.094	5008.328125	4433.18043	13.91748
284553.969	5012.736328	4449.335449	13.937012
284610.656	5011.642578	4411.873535	13.929887
284667.563	5011.791892	4379.896777	13.952148
284729.375	5016.887754	4418.452837	13.946777
284785.808	5015.87207	4400.588848	13.883281
284842.188	5016.883105	4438.728516	13.927734
284900.219	5005.803418	4422.287588	13.88916
284958.25	5003.148902	4433.737305	13.825781
285012.719	4999.849809	4434.787109	13.893555
285069.906	5002.608445	4428.024414	13.896484
285131.719	5007.118852	4411.399902	13.823828
285187.531	5007.282895	4418.493184	13.908203
285244.25	5012.660845	4405.27832	13.878418
285305.031	5011.582773	4418.085918	13.924316
285360.281	5010.228027	4438.852344	13.887207
285418.531	5014.03125	4410.393068	13.907227
285478.031	5018.221191	4389.021973	13.95459
285537.125	5005.290527	4408.758301	13.831055
285593.125	5007.174805	4404.01416	13.898973
285650.408	5002.913574	4428.547852	13.897949
285711.75	5004.181821	4420.525391	13.754883
285768.888	5002.750488	4428.395508	13.821289
285828.375	5002.183574	4404.558841	13.818018
285885.313	5006.228027	4408.087402	13.829887
285942.888	5008.091797	4418.192383	13.931152
285999.375	5010.148437	4420.570601	13.918457
286055.781	5013.371094	4451.858883	13.901855
286118.875	5015.374512	4481.805489	13.92041
286174.313	5013.198289	4401.854297	13.907227
286230.406	5013.375977	4438.186289	13.861328
286289.313	5019.000488	4467.603027	13.98291
286346.25	5008.166992	4410.015137	13.935059
286403.344	5001.041504	4442.381818	13.902832
286459.75	5001.932128	4434.121582	13.788531
286520.563	4998.782895	4433.394531	13.88377
286576.031	5001.610352	4428.097168	13.797852
286633.813	5002.381818	4400.270508	13.881838

286888.844	5006.464844	4427.752441	13.848145
286748.125	5008.328125	4439.680158	13.932817
286804.081	5013.552248	4432.180158	13.782227
286880.438	5011.811133	4484.243852	13.836914
286918.5	5011.13916	4465.021484	13.782888
286873.75	5011.649414	4439.204102	13.890137
287030	5015.358887	4431.736328	13.833496
287085.625	5012.518802	4424.118889	13.85752
287142.781	5014.455078	4443.748535	13.91748
287200.683	5014.131348	4407.105489	13.830664
287258.869	5013.159888	4434.288088	13.782227
287315	5006.175293	4406.818895	13.877441
287371.583	5008.010254	4368.025579	13.938477
287429.583	5008.87041	4384.712402	13.921387
287486.688	5011.638648	4407.133901	13.907715
287544.375	5013.269043	4384.523928	13.906738
287600.438	5012.712402	4410.270508	13.927248
287657.25	5014.775879	4410.654785	13.936035
287715.125	5010.981934	4415.725586	13.953613
287771.531	5013.330588	4427.854004	13.88457
287829.375	5016.419922	4438.386742	13.918457
287886.489	5017.152832	4433.207031	13.971191
287944.188	5018.083008	4396.07373	13.944824
288001.219	5013.114748	4430.833496	13.898437
288083	5007.308105	4408.888672	13.89208
288119.438	5008.504395	4411.278387	13.931641
288177.188	5004.179199	4398.575884	13.883281
288234.656	5002.366211	4418.148437	13.913086
288295.938	5004.933594	4436.174316	13.91748
288352.583	5010.928711	4488.829102	13.894043
288413.875	5011.728027	4451.047852	13.928711
288471.583	5014.463867	4437.316408	13.900391
288528.888	5015.062012	4436.05127	13.94043
288588.158	5016.150879	4421.403809	13.947268
288646.813	5013.487793	4431.523828	13.987285
288702.313	5018.338379	4468.088624	13.950195
288760.5	5010.050781	4434.8125	13.882402
288816.838	5011.505371	4412.588428	13.832128
288872.594	4989.753908	4403.204102	13.953813
288934.188	5001.498094	4420.717285	13.884277
288990.158	5005.768555	4417.881328	13.9375
289046.781	5007.611328	4449.487793	13.945312
289103.083	5013.772461	4438.219238	13.915039
289165.281	5013.818359	4398.057129	13.945801
289222.781	5017.351074	4444.86977	13.949707
289280.438	5015.75293	4402.547852	13.902344
289338.656	5016.588428	4428.861816	13.92041
289396.583	5017.287578	4414.481445	13.918457
289455.719	5019.418504	4388.507812	13.963379
289521	4987.088426	4441.545898	13.930176
289578.813	5011.12793	4448.321289	13.892578
289638	5000.709473	4440.678223	13.881838

289691.531	5005.691797	4465.432129	13.925781
289749.781	5008.869355	4436.878711	13.923828
289804.825	5009.289551	4437.836719	13.937988
289880.344	5011.754385	4459.51709	13.915039
289917.719	6015.227051	4449.820117	13.94873
289974.719	5017.40332	4391.834473	13.958496
290031.125	5016.105489	4388.580586	13.924316
290091.531	5017.347656	4415.960449	13.908891
290148.563	5020.623047	4402.422852	13.961426
290208.125	5016.90825	4422.79541	13.914551
290266.438	5013.284888	4418.769043	13.954102
290322.908	5004.131838	4441.972656	13.91748
290380.438	5004.87334	4434.418992	13.902832
290436.531	5004.484375	4412.530782	13.941408
290493.313	5008.504883	4429.245605	13.92334
290549.989	5008.568359	4448.225098	13.92627
290607.156	5011.897461	4454.17627	13.944824
290667.888	5013.06543	4458.880449	13.901987
290725.781	5018.492876	4402.801582	13.932617
290781.5	5018.719238	4441.258789	13.925293
290837.438	5017.720703	4431.727539	13.920898
290896.75	5017.305884	4385.416016	13.898928
290954.594	5020.656273	4436.631348	13.920898
291014.031	5014.966797	4400.090332	13.903809
291070.563	5017.91746	4434.38502	13.946777
291127.344	5017.84868	4381.012895	13.918457
291188.344	5013.949707	4410.338867	13.908891
291244.344	5011.80127	4449.771973	13.908203
291302.188	5011.12207	4429.128418	13.892578
291359.344	5009.842773	4443.381838	13.898437
291418.825	5007.92041	4428.448289	13.927734
291472.156	5013.244829	4422.001953	13.901367
291528.888	5015.736328	4400.912109	13.898973
291584.563	5020.897288	4454.986582	13.936523
291644.219	5018.190918	4440.084473	13.981348
291704.438	5015.581055	4384.649602	13.935058
291763.344	4996.486328	4405.688219	13.900391
291819.75	5024.237305	4418.519531	13.900391
291879.469	5019.790099	4424.538086	13.88209
291938.844	6015.160645	4375.381838	13.898437
291995.906	5020.220215	4414.273437	13.92627
292054.969	5019.875781	4365.886719	13.881836
292113.75	5019.413086	4423.712891	13.874023
292173.125	5017.092285	4440.156738	13.921387
292228.719	5012.102061	4426.262441	13.908691
292286.906	5010.979004	4424.583496	13.913574
292343.969	5016.327637	4426.949707	13.942871
292400.75	5013.44043	4476.293945	13.907227
292457.438	5016.82041	4438.219727	13.906738
292518.875	5020.741899	4438.486328	13.912598
292576.844	5017.500977	4426.371582	13.916504
292637.063	5020.281738	4389.155273	13.906738

292693.125	4993.512207	4435.158691	13.928223
292751.989	5018.668982	4439.416016	13.962891
292812.125	5021.767578	4421.313477	13.896902
292888.719	5013.216797	4397.286133	13.931641
292925.25	5016.784668	4393.221191	13.921387
292982.406	5020.72998	4411.852832	13.910158
293042.25	5017.043945	4420.740234	13.916982
293098.344	5019.396996	4403.00293	13.911621
293157.344	5014.941895	4426.556152	13.835449
293215.344	5000.057617	4446.886548	13.90625
293274.5	5019.213867	4446.80957	13.905762
293335.531	4992.680859	4403.873635	13.931162
293392.188	4994.523437	4452.443848	13.896973
293448.219	5022.53125	4408.742187	13.905273
293508.469	5005.899414	4433.697656	13.935547
293574.158	4996.000488	4445.839355	13.92041
293630.658	5025.058594	4460.126465	13.886719
293694.658	4999.478562	4433.223633	13.90625
293752.094	5023.784886	4459.317383	13.935547
293811.583	4990.311035	4414.080078	13.917969
293868.069	5015.69376	4438.64209	13.847754
293924.663	5016.873947	4378.671875	13.90332
293981.531	5019.792969	4418.514648	13.944336
294040.281	5018.340332	4431.595215	13.934082
294096.594	5020.087891	4427.977051	13.924805
294152.563	5021.682324	4398.772949	13.901855
294213.063	4997.939965	4435.811035	13.933684
294277.875	5005.225088	4448.427246	13.899414
294343.158	5001.41748	4396.789551	13.90918
294408.875	4999.588406	4431.179687	13.918457
294475.658	4995.570801	4407.386719	13.9375
294541.688	5000.418457	4428.816389	13.915039
294608.219	4991.797383	4413.572268	13.90626
294673.158	5002.974809	4410.694336	13.950684
294730.875	4995.671064	4395.844531	13.919922
294789.188	5018.683789	4396.12207	13.922363
294849.125	5016.565918	4415.715332	13.930178
294905.719	5020.471191	4401.611816	13.883789
294968.719	4996.442871	4383.816895	13.907715
295030.313	4996.470703	4404.081055	13.918945
295095.531	5003.257324	4409.84082	13.918945
295160.719	5001.310059	4429.528809	13.912109
295225.063	5005.188477	4406.928711	13.915527
295291.844	4992.361328	4381.867676	13.958961
295356.5	5004.627441	4426.555176	13.958473
295422.719	4992.673047	4414.709473	13.938941
295487.688	4996.472168	4401.010742	13.829199
295544.658	5018.187988	4393.155762	13.942383
295606.719	5003.501465	4421.891602	13.918457
295665.531	5018.519531	4427.801758	13.930864
295722.063	5006.129395	4395.889629	13.930664
295787.158	4994.224609	4385.765137	13.932617

295852.875	5002.634961	4419.854004	13.852051
295919.125	5000.1875	4426.098609	13.947268
295984.625	5005.126977	4386.985352	13.931152
296049.25	4998.297363	4378.504883	13.913066
296116.906	5008.85752	4387.450684	13.838865
296183.406	4993.359027	4402.027832	13.912598
296246.938	5005.587891	4410.261719	13.885742
296312.063	4980.587168	4419.4375	13.832817
296378.75	5002.480234	4408.54834	13.926758
296440.281	4987.118652	4409.565918	13.887207
296504.875	5007.842773	4410.564841	13.92334
296570.825	4996.986328	4408.781738	13.921387
296635.781	5003.841113	4397.647481	13.954102
296701.25	4999.879004	4403.089355	13.921387
296765.594	5001.485352	4445.138859	13.889355
296831.594	5003.537109	4421.067402	13.869141
296897.594	4991.582773	4404.760742	13.947286
296963.844	4994.156738	4416.067383	13.91748
297030.188	5003.767578	4438.054199	13.921387
297095.844	4984.459961	4388.73877	13.875877
297162.188	4988.835254	4344.314453	13.94043
297227.594	5000.124512	4428.784922	13.919434
297293.825	5005.844338	4415.130371	13.918457
297351.031	5001.328172	4384.518555	13.95458
297418.75	5000.186504	4408.218309	13.921387
297481.938	5005.711428	4418.442383	13.934082
297547.438	4987.058641	4441.897754	13.9375
297613.125	5005.321289	4410.897968	13.876953
297679.406	4982.385742	4413.637207	13.960837
297745.125	4987.553711	4430.788828	13.949707
297810.063	4987.840332	4451.781719	13.92627
297876.281	5003.810547	4454.199359	13.92334
297943.158	4988.985117	4428.854004	13.924316
298008.875	4988.148928	4413.56543	13.910156
298074.344	5004.875588	4408.818336	13.934082
298141.158	5006.967773	4404.674805	13.945312
298207.688	5001.395508	4419.402832	13.952637
298273.125	5001.739746	4423.304887	13.915039
298338.594	4988.999512	4422.987773	13.949219
298403.856	5000.449218	4398.53418	13.833584
298470.344	4995.538821	4401.077637	13.911821
298534.856	5008.838428	4379.258789	13.958984
298600.888	4999.298828	4445.213887	13.911133
298658.969	5018.97188	4435.152832	13.914082
298715	5020.28123	4412.791882	13.959473
298781.5	5007.879883	4414.788086	13.912598
298848.781	5000.381348	4406.368852	13.925781
298913.094	5003.247559	4435.597656	13.981855
298979.344	4987.504385	4404.138872	13.929687
299046.094	5004.520508	4412.971191	13.928223
299112.594	4997.785156	4411.983887	13.899414
299177.094	5005.670898	4430.118829	13.934082

299242.813	5003.547363	4408.615723	13.923828
299308.281	4992.304199	4427.279785	13.913574
299373.156	4992.253906	4403.103516	13.90825
299431.125	5017.770508	4441.543845	13.924316
299496.844	4996.584473	4418.09868	13.905273
299563.156	5005.587891	4419.187012	13.885742
299628.594	5002.350096	4435.949707	13.953613
299694.376	5001.565918	4401.351074	13.918016
299760.625	5002.137207	4385.958984	13.900391
299826.594	5002.999023	4427.862305	13.924316
299891.781	4996.483867	4415.010254	13.916504
299956.969	4997.369629	4397.715332	13.914551
300021.531	4996.404297	4408.726562	13.888437
300087.813	4996.068408	4423.438523	13.937989
300153.344	4996.101562	4402.544434	13.905273
300219.563	5004.07666	4441.483398	13.924316
300284.75	5003.418457	4443.379883	13.950884
300350.531	5007.548828	4443.807129	13.907227
300417.594	5000.319824	4437.105957	13.915039
300483.281	5006.498512	4423.675781	13.980997
300550.688	4992.867678	4422.768875	13.944336
300616.406	5004.736818	4400.217285	13.921387
300683	4998.282207	4436.581055	13.912598
300748.688	5005.730469	4414.98877	13.907227
300815	5001.050781	4419.375	13.921387
300679.844	5001.222656	4428.63916	13.985332
300945.875	5003.168992	4432.241699	13.912598
301012.156	4998.918457	4428.432129	13.933594
301077.583	4999.362305	4443.979004	13.957031
301143.053	4999.599121	4442.206055	13.914551
301208.594	5000.475098	4413.083008	13.932129
301275.313	5003.398973	4412.838887	13.884766
301341.594	5000.215332	4414.731445	13.924316
301405.406	5004.541504	4408.485117	13.925293
301471.908	4995.428223	4431.309082	13.918945
301538.5	5005.558594	4395.907227	13.947266
301604.210	4997.91748	4408.374512	13.903809
301670.313	5007.798875	4414.980957	13.972856
301735.969	5003.791992	4430.75293	13.91748
301791.75	4987.358373	4408.911821	13.948242
301858.408	5002.248094	4410.866211	13.898437
301917.583	4990.529785	4433.07373	13.928223
301978.25	4984.848926	4437.556152	13.928223
302033.844	4988.940918	4447.843282	13.914082
302089.908	4983.774414	4445.210937	13.907227
302151.406	4995.216309	4430.643066	13.911133
302208.219	4999.939941	4409.007324	13.926758
302264.875	4993.02832	4420.730957	13.907715
302322.594	4995.555664	4410.913574	13.908203
302383.094	4996.92041	4387.288574	13.952637
302439.908	5001.138672	4430.847168	13.930664
302497.489	5000.891113	4428.143068	13.902832

302553.844	5002.255371	4455.983887	13.916016
302610.313	4990.733887	4468.95752	13.927248
302666.313	4996.452637	4445.109375	13.901855
302724.125	4996.449219	4432.239746	13.923334
302781.125	4993.05127	4424.802539	13.941406
302839	4998.40916	4434.518066	13.927734
302896.781	5000.695312	4428.519531	13.931641
302952.813	5000.38823	4435.140137	13.929687
303010.281	4998.875977	4405.038551	13.958498
303070.281	4998.719727	4441.731445	13.920898
303127.063	4999.65332	4409.249023	13.895508
303183.625	5002.813086	4385.048828	13.916016
303243.938	4999.287852	4427.871582	13.958961
303305.158	5000.099609	4378.627441	13.916504
303362.408	5002.201172	4410.021484	13.904297
303423.594	5003.155782	4433.221191	13.933594
303481.344	5006.313477	4409.208964	13.955566
303539.031	5000.650391	4412.72186	13.9375
303595.888	5001.199707	4443.689941	13.924806
303653.583	5004.155762	4399.709961	13.946289
303712.25	5003.32959	4414.836914	13.938965
303768.719	5001.713867	4420.559082	13.913086
303830.125	5003.460449	4396.925283	13.898928
303885.656	5003.644043	4439.058105	13.916504
303944.25	5006.123047	4443.885896	13.908203
304006.094	5001.493852	4375.88291	13.927734
304064.688	5002.753418	4382.929887	13.906736
304121.344	5003.743164	4410.21875	13.946289
304182.781	5001.362783	4390.352051	13.907715
304239.489	5000.717285	4388.263672	13.94043
304296	5003.416504	4402.101074	13.930664
304357.031	5002.082286	4420.099121	13.940918
304414.656	4998.781738	4409.428711	13.915038
304471.594	4997.52832	4447.928687	13.915039
304528.563	4998.233398	4411.629883	13.926758
304587.594	4997.036621	4398.729492	13.878806
304644.531	4998.020508	4445.808105	13.94043
304701.625	5000.393555	4419.131836	13.942871
304758.908	5001.500977	4419.917989	13.958008
304816	4999.092773	4432.703613	13.901855
304874.281	4993.111328	4420.994629	13.907227
304930.594	4996.682617	4426.744141	13.936035
305013.625	4976.49707	4401.299805	13.919922
305073.25	4996.929687	4411.890625	13.893086
305132.125	4996.48584	4397.650879	13.882812
305189.563	4999.938477	4427.77832	13.932617
305246.75	4988.214355	4411.228562	13.942383
305302.188	4984.731934	4419.45752	13.921875
305358.313	4985.832031	4465.422852	13.928223
305415.688	4981.063477	4439.929687	13.90918
305476.938	4978.78125	4445.029297	13.917969
305535.625	4988.699707	4456.611818	13.927734

305592.813	4890.433594	4416.212891	13.916992
305657.469	4991.568359	4382.123047	13.888828
305721.938	4998.307129	4390.977539	13.916016
305788.344	5002.107422	4406.071777	13.922852
305854.063	5003.157715	4385.484355	13.942363
305828.031	4994.449707	4381.433105	13.943359
305888.781	4995.233398	4422.858445	13.835547
306047.594	4986.592285	4399.633789	13.917969
306104.5	4995.118652	4413.690918	13.938941
306165.856	4990.794434	4435.23877	13.90918
306222.683	4988.168945	4433.148973	13.914551
306278.489	4985.60957	4421.555176	13.918945
306335.631	4986.041504	4420.352051	13.905273
306392.406	4986.568846	4408.878711	13.924805
306449.25	4982.201172	4422.148902	13.902344
306605.631	4985.871582	4410.330078	13.914561
306564.094	4986.904785	4413.208055	13.944336
306821.125	4989.233396	4393.808105	13.949219
306877.719	4989.233396	4410.902832	13.855078
306734.489	4990.860137	4406.017576	13.913674
306790.531	4982.69673	4379.946289	13.935547
306848.5	4991.033203	4394.910645	13.928711
306902.375	4988.489258	4407.636133	13.898437
306968.906	4996.984863	4411.86488	13.934082
307033.844	4997.952637	4418.992676	13.924316
307088.489	5008.913574	4415.870703	13.902832
307183.083	4999.178711	4391.868457	13.954102
307229.031	5005.978027	4417.878223	13.948242
307295.063	4993.89209	4402.272461	13.931152
307361.313	5005.102051	4417.270896	13.833584
307428.813	4997.196777	4413.433394	13.913086
307492.25	5008.208643	4373.497659	13.891802
307558.489	4997.307129	4435.242187	13.907715
307623.838	5003.08375	4404.626465	13.911133
307688.594	4988.106445	4375.494141	13.943846
307764.875	5002.768043	4394.94873	13.970703
307821.938	4993.897949	4422.78125	13.910845
307888.625	5007.741211	4409.67334	13.908688
307951.5	5002.186523	4382.674805	13.927734
308018.031	5005.52002	4418.979004	13.919434
308083.781	4998.588426	4432.457031	13.82627
308149.781	5003.250488	4435.08252	13.9375
308216.094	4997.125	4421.580332	13.95168
308282.584	5005.325195	4407.938477	13.916992
308347.781	5000.357422	4395.82666	13.918945
308412.594	5002.676758	4367.022461	13.91748
308478.375	4994.446777	4374.515625	13.897949
308543.313	4999.632812	4390.141802	13.825293
308609.594	4982.418504	4392.102051	13.987285
308674.908	4997.710937	4413.199219	13.908691
308737.75	4997.17041	4408.773926	13.938477
308803.188	5006.119141	4423.473633	13.914062

308888.594	5000.452148	4428.377441	13.889648
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309000.313	4996.928711	4405.606445	13.950684
309067.469	5001.977539	4408.148437	13.918457
309133.125	4998.388164	4415.462402	13.912109
309198.844	5005.846873	4417.856834	13.923828
309264.125	4997.129395	4428.449219	13.915527
309330.083	5006.947266	4391.708055	13.918845
309396.344	4998.126485	4381.10498	13.901367
309462.063	5007.980449	4386.543457	13.89502
309528.862	4998.803223	4390.086191	13.913088
309592.438	5007.961428	4426.235352	13.912109
309658.188	4994.168504	4403.788082	13.902832
309724.989	4998.83457	4408.177734	13.948289
309790.125	5000.118652	4419.877441	13.898826
309856.156	4998.768066	4426.242187	13.949707
309922.156	4996.008277	4409.001485	13.936523
309987.594	4996.633301	4419.358883	13.943359
310052.219	4995.245117	4408.487783	13.910158
310118.219	5008.553223	4401.340332	13.883789
310183.938	4999.689941	4367.75	13.884788
310249.688	5001.833984	4383.041504	13.931152
310315.375	4997.546875	4402.524902	13.916992
310381.625	5000.848633	4402.76248	13.88502
310448.813	4993.524902	4408.85825	13.888672
310511.188	5002.977539	4420.28418	13.900879
310577.719	4998.881328	4415.081035	13.932817
310642.906	5006.890723	4413.118852	13.93457
310699.063	4981.687012	4424.920898	13.897949
310756.125	4982.476582	4382.176758	13.902344
310812.031	4990.388164	4438.412109	13.896926
310868.631	4990.846289	4423.500977	13.902832
310929.438	4991.852538	4414.435059	13.907227
310986.5	4982.682783	4447.171875	13.924805
311047.489	4996.425283	4465.854297	13.925293
311103.813	4995.98877	4451.253906	13.945801
311159.583	5001.018068	4450.352539	13.953125
311217.344	4997.55857	4422.020998	13.932617
311273.438	4996.45188	4393.206055	13.939941
311331.188	4990.902832	4418.34888	13.92334
311387.408	4982.798876	4385.695312	13.937968
311445.281	4987.658891	4388.581543	13.944824
311507.313	4987.889829	4413.88746	13.90625
311563.313	4989.255859	4433.273926	13.908688
311624.858	4990.802051	4454.467285	13.901865
311681	4983.780527	4476.798876	13.952637
311742.063	4994.509766	4439.803027	13.941885
311798.156	4991.839453	4467.280762	13.947754
311859	4989.834881	4427.43457	13.928711
311915.688	4991.13823	4427.868211	13.913574
311971.5	4992.447266	4456.375977	13.92334
312032.75	4992.765137	4427.999512	13.898826

312088.969	4997.211426	4441.432129	13.958984
312145.188	4996.557129	4411.441895	13.91748
312201.858	4985.005371	4429.902344	13.825283
312258.5	4991.548318	4482.838379	13.894531
312315.281	4991.690918	4419.784688	13.923828
312372.489	4983.427734	4419.089121	13.921875
312436.031	4988.163066	4462.99707	13.921875
312491.219	4988.098833	4415.220703	13.92627
312552.563	4988.87334	4419.889219	13.932817
312610.313	4988.144531	4458.358834	13.943848
312667.875	4988.057129	4409.504395	13.930176
312725.408	4986.504395	4425.37793	13.908203
312782.825	5000.353516	4394.509277	13.920898
312840.084	4998.787588	4415.375488	13.954102
312897.063	5007.012885	4416.770998	13.948242
312959	4988.383555	4383.868309	13.816527
313016.989	4994.028387	4412.88502	13.951172
313074.531	4990.922852	4419.730489	13.988238
313130.888	4984.587871	4418.813885	13.958056
313188.938	4997.111328	4410.881348	13.878906
313245.75	4984.085918	4419.288066	13.950684
313303.5	4985.34082	4419.519043	13.917969
313364.281	4991.79248	4438.548875	13.988727
313421.313	4986.608445	4422.884277	13.950884
313478.156	4986.135254	4422.473633	13.906738
313536.906	4988.999023	4417.427246	13.844338
313593.531	4988.345215	4414.823047	13.905273
313648.969	4989.521484	4422.227051	13.943848
313705.313	4992.11377	4437.872383	13.904785
313761.719	4988.538133	4482.103027	13.915527
313819.938	4992.280273	4439.889707	13.963813
313877.594	4991.894531	4421.580588	13.921875
313934.625	4991.044434	4423.163066	13.811821
313998.781	4990.828855	4428.957031	13.935059
314059.281	4988.030752	4440.891802	13.804287
314117.583	4985.314453	4444.225588	13.904785
314175.906	4981.612783	4430.273437	13.931641
314238.844	4985.513872	4390.158891	13.902832
314292.938	4990.355957	4393.171387	13.9375
314349.888	4991.94043	4414.568848	13.811821
314406.594	4993.237793	4435.11084	13.927246
314463.938	4997.73877	4430.053223	13.930664
314520.438	4985.125977	4425.048387	13.918945
314579.031	4986.793945	4470.125377	13.919434
314635.844	4986.958498	4451.912109	13.896873
314697.813	4988.797852	4425.0825	13.819922
314754.219	4987.486818	4407.878074	13.896484
314815.188	4989.858887	4415.455078	13.949219
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314933.25	4995.848242	4376.734863	13.907715
314988.875	4995.12207	4428.82959	13.95186
315045.906	4998.783203	4438.612793	13.90918

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315163.888	4989.974609	4418.47968	13.895508
315220.583	4988.919922	4425.11084	13.968282
315276.219	4988.744629	4419.243164	13.910158
315333.125	4988.898777	4434.978027	13.922383
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315446.594	4993.910158	4411.314453	13.932617
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315560.084	4988.11377	4436.933694	13.902832
315617.438	4989.004395	4390.153809	13.912109
315672.658	4988.242676	4391.84082	13.893555
315729.25	4987.49707	4391.246582	13.903809
315789.563	4990.653809	4425.996582	13.928711
315846.5	4990.494829	4436.975088	13.948242
315903.063	4991.839648	4460.958884	13.908688
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316016.188	4988.831543	4432.442871	13.920888
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316133.888	4984.564941	4410.343282	13.921875
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316304.875	4994.564841	4415.402344	13.92041
316362.031	4985.474121	4409.747559	13.932817
316419.844	5002.216797	4423.700884	13.94873
316476.469	4990.070801	4432.589255	13.931152
316532.656	4984.089355	4443.148973	13.92041
316590.406	4984.864746	4421.999023	13.940918
316646.719	4987.303223	4418.124512	13.898437
316703.719	4987.358934	4412.687812	13.915039
316760.469	4991.867989	4392.687968	13.941895
316817.844	4985.907715	4410.390825	13.893066
316873.906	5000.974121	4374.039082	13.942383
316930.583	5000.706543	4393.913086	13.914551
316987.219	4981.840625	4404.131836	13.912598
317044.063	4984.223633	4418.768113	13.90918
317099.969	4984.374023	4423.647481	13.948289
317158	4989.537109	4419.407716	13.932617
317215.625	4994.088379	4405.883301	13.955078
317272.989	4985.255859	4470.079102	13.899414
317330.844	5002.739748	4482.774414	13.939941
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317502.219	4989.180884	4403.597858	13.871094
317558.658	4991.953613	4457.05127	13.895996
317615.825	4996.376485	4444.385254	13.898484
317672.281	4989.700195	4449.817871	13.920898
317730.875	4980.735352	4439.707031	13.923828
317787	4982.671582	4424.483388	13.894531
317844.908	4983.574707	4405.37207	13.910158
317905.656	4987.70458	4400.782227	13.899902
317962.031	4989.78418	4443.8875	13.930175
318018.531	4993.035158	4417.423828	13.907715

318074.875	4998.88918	4421.536133	13.838477
318131.844	5000.827441	4423.978582	13.820898
318189.063	4999.740723	4449.442871	13.853125
318246.906	4998.296387	4437.456055	13.873047
318303.563	4985.826172	4448.15818	13.897849
318360.031	4984.773828	4428.00293	13.911821
318416.281	4988.728027	4420.888242	13.883301
318472.406	4990.219238	4470.03418	13.861328
318529.563	4992.524902	4424.521484	13.959479
318691	4995.354004	4414.348833	13.955543
318646.875	4998.087402	4434.282715	13.838035
318706.281	4998.270508	4428.965332	13.875877
318767.906	4998.499512	4425.931841	13.92827
318824.838	4990.180845	4395.549316	13.908203
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318937.531	4988.271484	4382.801855	13.828758
318999.125	4989.316406	4391.80867	13.914062
319058.5	4991.875	4390.158891	13.87207
319114.125	4994.438841	4401.790039	13.940918
319175.313	4997.129395	4408.738258	13.946777
319235.844	4998.802734	4395.725586	13.921387
319291.281	4997.446289	4382.125488	13.90918
319348.856	5004.388184	4372.498512	13.950837
319408.158	4984.355957	4405.766602	13.931641
319462.75	4968.568359	4397.352051	13.906738
319519.583	4987.819336	4413.371094	13.911133
319576.188	4991.896996	4427.388414	13.827248
319633.219	4993.090332	4406.841797	13.937012
319694.969	4995.525879	4424.750977	13.949219
319750.719	4987.48707	4431.378853	13.918016
319807.658	4997.84375	4452.108375	13.938453
319863.189	5003.785158	4398.152832	13.908738
319919.813	4994.033691	4405.145506	13.942871
319975.825	4867.48291	4440.537109	13.93457
320031.188	4992.125877	4457.442871	13.909868
320090.344	4989.838867	4452.421875	13.877051
320148.188	4991.594238	4414.29834	13.914551
320208.889	4994.861428	4415.129385	13.913088
320264.406	4998.230469	4431.875877	13.924805
320327	4998.955078	4427.12207	13.888184
320384.563	5003.181152	4434.64502	13.912109
320447	5004.556152	4427.04541	13.901855
320508.375	5008.077148	4403.493852	13.909668
320564.625	5000.490234	4388.837402	13.879385
320621.063	4995.28125	4415.057617	13.946289
320682.531	4980.878518	4403.018555	13.933105
320739.25	4985.897849	4415.828887	13.905782
320795.838	4991.856445	4370.312012	13.827734
320851.869	4991.051758	4385.019531	13.824316
320907.875	4987.355469	4418.728516	13.972168
320963.625	4988.617187	4400.397461	13.94873
321023.781	4999.714355	4408.891895	13.931152

321083.719	4999.808105	4387.009768	13.914551
321143.75	4999.531738	4421.520998	13.908691
321203.625	5002.788574	4435.85791	13.948219
321263.594	4997.552248	4418.078125	13.917969
321323.625	4995.258788	4414.055176	13.886254
321384.031	4993.979492	4430.889649	13.919434
321444.031	4993.775391	4418.187968	13.938941
321504.719	4992.419434	4408.777344	13.918945
321565.094	4994.369629	4390.029786	13.914651
321625.063	4995.872559	4368.827637	13.90918
321685.469	4997.453813	4428.237793	13.937012
321745.888	4999.108398	4415.488797	13.901387
321805.938	4994.904785	4419.864453	13.885254
321861.156	4994.410156	4425.855469	13.94043
321921.489	4993.451172	4410.77002	13.906738
321981.344	4989.48584	4420.894336	13.925293
322041.344	4989.216309	4428.054199	13.921875
322101.625	4994.341309	4415.121582	13.901387
322161.781	4994.738818	4413.15625	13.938453
322222.281	4996.848191	4406.797852	13.915527
322282.313	4997.435547	4408.171875	13.915527
322342.063	5000.870805	4403.139648	13.914082
322402.406	4997.529297	4401.188523	13.933105
322462.344	4994.597168	4383.740723	13.954102
322517.625	4993.23291	4387.195312	13.881348
322577.584	4990.384766	4386.573242	13.936035
322637.781	4992.788086	4418.550781	13.929199
322698.156	4992.474121	4427.188985	13.944336
322758.313	4994.934082	4439.677734	13.944336
322818.75	4996.780273	4422.487305	13.92627
322878.125	4995.628506	4415.428711	13.88918
322938.5	4996.912588	4435.709473	13.943359
322998.25	4998.18457	4422.78418	13.931641
323058.625	5001.171387	4429.600293	13.899902
323118.876	5000.88623	4435.135742	13.910166
323180.375	4996.950684	4418.881838	13.892578
323240.375	4995.989746	4384.016602	13.915039
323300.625	4993.334961	4430.284868	13.898523
323360.844	4997.95459	4418.493164	13.828711
323420.938	4992.182109	4438.793845	13.921876
323480.489	4993.193369	4436.641113	13.928223
323540.375	4992.001465	4426.829199	13.87207
323600.5	4996.34688	4421.557129	13.927734
323660.875	4999.584453	4395.257324	13.930176
323721.313	5001.459961	4387.880371	13.914551
323781.489	5000.550781	4423.100586	13.909688
323841.875	4998.396484	4408.52002	13.938965
323902.125	4988.031738	4400.079102	13.911821
323962.375	4999.717773	4440.273926	13.827734
324022.5	4990.88816	4397.420898	13.940918
324082.563	4989.916992	4412.228027	13.94043
324137.906	4994.578613	4442.814941	13.90625

324197.989	4997.658203	4422.184082	13.936035
324258.156	4993.634766	4418.826172	13.915527
324318.188	4998.763672	4399.139648	13.944824
324378.531	5001.296875	4403.989258	13.925293
324438.875	5007.345215	4401.722188	13.936035
324498.844	4992.950195	4404.875781	13.932129
324558.781	4995.891802	4405.289551	13.917969
324619.188	4987.307129	4402.463379	13.913086
324678.989	4991.888328	4381.486094	13.910645
324739.125	4993.541982	4414.418016	13.948242
324799.5	4995.934082	4385.110862	13.943358
324859.583	4988.479482	4398.121582	13.918457
324919.813	5001.108375	4408.962891	13.947754
324979.906	5002.760742	4379.918922	13.894043
325039.719	4999.73291	4406.520508	13.95168
325100.188	5001.219727	4423.775879	13.949219
325155.5	5003.07958	4412.23281	13.921387
325215.688	4994.325195	4404.68043	13.882812
325271.25	4995.198777	4392.875	13.918016
325331.5	4991.307617	4414.988309	13.902344
325391.313	4993.26709	4430.405273	13.911821
325450.906	4995.469238	4426.45582	13.94043
325511.125	4995.512207	4418.270898	13.959473
325571.583	4998.201172	4425.490723	13.902344
325631.875	4987.927246	4423.383066	13.92041
325691.531	4995.52002	4412.870117	13.919922
325751.906	4996.475588	4404.583984	13.832817
325811.989	4998.413088	4403.978582	13.887695
325872.281	4991.689219	4387.388628	13.914551
325932.989	4988.899902	4384.805684	13.920898
325988.344	4995.437012	4384.905762	13.929887
326048.5	4993.406273	4373.879395	13.931162
326108.438	4995.075684	4398.222858	13.926758
326168.563	4996.075684	4404.888184	13.942383
326228.063	4998.408688	4372.735352	13.939941
326288.375	4994.520508	4425.714844	13.914551
326348.031	4998.589008	4423.050781	13.932129
326408.125	4999.124023	4410.293457	13.92041
326468.531	5003.479004	4373.177248	13.941895
326528.719	5009.503418	4365.700884	13.90332
326588.825	4996.644043	4384.031738	13.931841
326648.858	4993.115723	4415.53125	13.921875
326710.063	4995.089809	4431.978518	13.88918
326769.838	4992.321288	4402.852051	14.022949
326829.813	4993.192871	4407.071777	13.916504
326890.25	4994.90818	4392.484141	13.962402
326945.438	4996.341309	4403.419922	13.928711
327005.844	4997.140625	4427.838867	13.905762
327066.031	4999.248047	4389.712891	13.958008
327126.156	5003.01416	4392.753418	13.931152
327185.844	5000.082773	4435.749512	13.824316
327246.031	4999.960937	4364.043457	13.912588

327305.938	4895.83457	4383.105469	13.89502
327366.375	4990.63623	4351.148873	13.899414
327426.156	4988.807422	4368.603027	13.87207
327486.313	4981.755371	4408.288665	13.863379
327546.344	4995.881816	4405.040039	13.950195
327606.5	4998.5	4410.283681	13.922363
327666.188	5000.242187	4415.674316	13.820888
327726.219	5000.547852	4416.79541	13.938865
327785.988	5003.975588	4430.999512	13.922334
327841.344	5001.205588	4385.575195	13.92627
327896.688	4996.830371	4408.488309	13.90825
327952.031	4998.465332	4391.818359	13.927734
328012.125	4989.489816	4378.433105	13.930684
328072.188	4990.319824	4378.839844	13.917989
328132.156	4985.425293	4382.972188	13.944336
328191.906	4984.114746	4388.812888	13.954102
328251.75	4997.519043	4428.203813	13.97998
328311.344	4988.597188	4417.015137	13.934082
328371.375	5000.658203	4450.280742	13.88502
328431.688	4999.882324	4421.286133	14.079102
328491.825	4986.493164	4409.309082	13.933105
328551.825	4990.428758	4371.780782	13.987773
328611.781	4992.579102	4413.632812	13.95186
328671.188	4991.902344	4404.515137	13.813574
328727.219	4994.57373	4434.591797	13.930684
328787	4986.443359	4420.00293	13.888258
328846.688	5000.074219	4400.548387	13.935547
328906.875	4999.491211	4382.350586	14.033691
328967.313	4999.337891	4401.594727	14.063965
329027.156	4999.210448	4433.138184	14.034988
329086.688	5003.658203	4401.57373	14.024902
329146.584	4981.574707	4388.873047	14.080588
329206.719	4988.184082	4412.563985	14.15332
329266.844	4985.105857	4415.181841	14.002441
329326.781	4982.094727	4405.302248	14.070312
329386.781	4982.374023	4370.854287	14.073242
329446.688	4985.384043	4400.688527	14.01123
329506.583	4986.133789	4488.008348	14.052248
329566.813	5001.168203	4428.321777	14.016625
329626.75	5002.677734	4405.505371	13.999023
329687.281	4992.716797	4391.904785	14.049316
329747.583	4991.839496	4407.140825	13.855078
329807.469	4993.500977	4359.871582	13.927248
329867.989	4990.189707	4387.388928	14.014848
329928.219	4883.855273	4378.824805	14.072754
329988.375	4994.108887	4388.411133	14.018802
330048.531	5000.355857	4376.125977	13.950195
330108.813	5003.212482	4413.21875	13.905273
330168.688	4992.432129	4376.038574	13.977589
330228.594	4992.280273	4394.60498	13.919434
330288.125	4990.033203	4410.841802	14.080547
330348.313	4989.902344	4386.838844	13.883301

330400.063	4988.180664	4407.589355	13.958984
330466.658	4991.503908	4411.772461	14.023437
330528.969	4991.873047	4413.833984	14.043457
330588.781	4994.203613	4434.928711	14.114746
330648.906	4998.75	4429.223633	14.058641
330709.094	4999.671387	4417.075684	13.950684
330769.158	5003.26709	4433.36084	14.067871
330828.969	4995.819629	4439.370117	13.895896
330888.594	4988.222658	4420.283184	13.942383
330949	4985.128418	4413.42627	13.867285
331008.969	4988.6875	4378.704102	13.873145
331069.219	4992.006348	4425.030762	13.935059
331129.219	4997.015625	4415.153809	13.883066
331189.719	5001.835937	4454.994629	13.931641
331249.584	4988.173828	4439.924805	13.873535
331309.688	4994.713867	4424.958055	13.932817
331369.719	4988.548387	4421.227539	13.845312
331429.219	4988.198242	4409.058594	14.007812
331488.344	4989.047363	4426.151367	14.07373
331548.563	4993.152832	4417.778367	13.881838
331609.313	4990.077637	4376.084473	13.899902
331669.594	4998.094238	4381.324707	13.924805
331730.281	5001.266133	4410.410645	13.902832
331790.188	4991.875877	4420.223633	13.931841
331850.719	4988.455078	4457.852832	13.842871
331910.75	4996.672288	4397.651855	13.942383
331970.675	4987.544434	4401.527832	14.008789
332031.313	4991.107422	4401.830859	13.912109
332096.658	4993.172363	4429.220703	13.882324
332148.969	4991.844238	4414.875877	13.932617
332208.844	4988.305176	4425.209961	13.904297
332268.688	4990.849809	4426.143086	13.805762
332328.094	4993.098633	4429.180176	13.9375
332388.438	4995.118899	4410.847849	13.826768
332448.125	4996.656738	4400.584238	13.90625
332508.158	5000.452148	4396.348633	13.816992
332568.344	4999.369629	4428.675293	13.937012
332628.469	4993.313477	4408.058641	13.9375
332688.489	4987.725088	4379.820312	14.083984
332741.658	4986.73291	4449.180664	14.03418
332801.75	4991.225588	4453.881348	14.118629
332862.219	4994.838426	4408.94873	14.054887
332922.125	4994.697266	4429.932129	14.082265
332981.906	4997.773437	4430.878223	13.895508
333041.563	4999.097188	4423.049316	13.861428
333102.031	4994.38209	4419.429199	14.07866
333162.125	4999.128385	4416.812598	14.149982
333221.781	4993.676758	4439.514548	14.081787
333281.856	4985.277832	4416.77832	14.129385
333341.531	4988.762895	4404.177246	14.015137
333401.406	4990.739746	4394.469238	13.928711
333461.375	4994.980469	4416.279785	14.005371

333521.858	4993.779297	4462.794922	14.018043
333582.158	4997.960469	4422.44043	13.986281
333642.281	4998.552246	4415.803223	13.944338
333702.5	4999.899414	4416.509277	13.922363
333782.525	5003.052734	4420.297363	13.908891
333822.489	4995.89043	4388.835449	14.106934
333882.5	4990.582285	4415.112305	14.063985
333942.856	4990.953125	4438.230469	14.04541
334002.969	4992.357422	4419.030273	14.044434
334063	4995.285137	4388.811035	13.900879
334122.969	4995.958486	4408.585703	14.018043
334182.563	4998.793457	4404.622559	14.04834
334243.063	4997.508789	4416.972168	14.012207
334303.094	4996.009766	4437.548605	13.968797
334363.375	4993.818338	4400.888289	13.987793
334423.625	4993.799805	4399.05857	14.078613
334483.781	4993.088406	4416.391802	13.978074
334544.125	4999.345793	4427.516113	13.941406
334604.031	4993.851387	4414.692871	13.987305
334664.25	4993.48877	4422.345215	14.021484
334724.5	4992.968282	4401.962148	13.983164
334784.825	4998.788574	4418.409688	13.92334
334844.938	4996.689219	4387.129395	13.895996
334905.188	4997.522949	4354.826172	14.084473
334965.438	4999.216797	4392.039062	13.920898
335025.531	4993.479492	4414.353518	14.023437
335085.813	4991.108398	4411.785156	14.04541
335146.063	4988.498047	4411.448289	14.03125
335206.125	4991.378418	4401.898959	13.997227
335266.688	4995.832324	4383.906738	13.931152
335326.888	4995.867422	4423.188035	13.949707
335386.594	4997.847188	4384.814453	13.918457
335441.75	4998.753418	4391.428711	13.918992
335501.969	4998.211428	4417.939453	13.95188
335562.188	5001.245805	4359.032715	13.917969
335622.125	5002.575884	4381.932817	13.882578
335682.125	4999.268113	4440.941406	13.876485
335742.25	5004.798821	4438.475098	13.918457
335802.031	4993.60791	4410.028809	13.929687
335862	4992.192871	4424.422852	13.908203
335917.25	4995.915039	4401.493652	13.921875
335977.406	4998.354004	4410.483398	13.915039
336037.25	5000.035645	4415.126488	13.939841
336097.563	5000.818848	4389.885234	13.969727
336157.875	5003.553223	4402.007812	13.942383
336217.858	4991.313477	4452.49707	13.907715
336277.875	4994.114748	4438.810645	13.92827
336338.531	4999.181641	4420.831152	13.950684
336398.25	4993.346191	4432.108875	13.90918
336458.438	4995.980937	4422.309062	13.920898
336518.781	4998.780742	4431.804004	13.9375
336578.813	4998.820117	4420.790039	13.925293

336838.063	4999.14209	4404.072266	13.9375
336898.73	5002.553223	4395.508789	13.939941
337754.031	5001.384746	4415.303223	13.945801
336814.313	4984.685742	4409.878418	13.924316
336874.25	4888.94873	4381.029785	13.94043
336934.625	4990.180664	4375.57959	13.899902
336994.875	4995.075894	4386.862598	13.898484
337054.875	4997.448777	4408.581523	13.957031
337115.063	4997.544434	4424.25	13.838453
337175.125	5000.384786	4413.147461	13.898484
337235.5	5002.078613	4389.245117	13.914082
337295.281	5001.252441	4400.157227	13.919434
337355.781	5000.55957	4433.783184	13.927248
337416.125	4987.316406	4428.600098	13.929887
337476.906	4991.638672	4433.032715	13.90825
337536.844	4991.880156	4425.865234	13.906816
337596.844	4995.361328	4372.99209	13.891602
337656.563	4998.297852	4385.729492	13.916504
337716.438	4999.737793	4392.003906	13.918982
337776.825	4999.078813	4445.971777	13.941408
337836.375	4997.633789	4372.410158	13.890234
337896.531	5005.570801	4414.53418	13.903809
337956.583	4997.703613	4388.911133	13.895117
338016.813	4991.310059	4370.464355	13.893088
338076.156	4992.021973	4405.240723	13.85752
338136.188	4991.107422	4395.411133	13.951172
338196.031	4995.833584	4404.45168	13.937988
338256.408	4997.820801	4408.192383	13.94043
338316.875	4999.657227	4386.358398	13.986797
338377.094	5000.711426	4380.685801	13.955566
338438.875	5002.738281	4402.834961	14.000977
338498.938	5005.575195	4392.381348	13.94043
338558.781	5001.725586	4427.358887	14.010254
338618.875	4995.821289	4419.193848	13.922363
338678.875	4988.804199	4400.618652	13.932129
338737.084	4994.147461	4432.219727	13.928758
338797.281	4995.328613	4421.85084	13.945312
338857.313	4995.395508	4418.910156	13.920896
338916.75	5000.030273	4420.132324	13.888309
338975.219	4997.427248	4414.509277	14.03418
339032.156	4999.198242	4430.431841	14.079102
339088.844	5001.174805	4426.908203	14.135254
339147.344	5002.064841	4425.358445	14.10498
339204.5	4999.316895	4484.834473	14.052248
339260.563	5002.319338	4481.458543	14.048828
339318.531	4998.413574	4485.848633	14.11084
339377.594	4991.818211	4457.286133	14.153809
339436.125	4990.220703	4466.21582	14.184551
339494.906	4994.385723	4450.578172	13.932129
339553.218	4991.039551	4449.513184	14.114258
339613.281	4996.482891	4427.369863	14.083496
339670.825	4996.73877	4411.549316	14.126465

339727.781	4996.76709	4413.571289	14.050293
339785.094	4998.851367	4404.040527	14.021973
339843.906	5004.208008	4428.532227	13.874121
339900.375	5001.905273	4413.355489	14.115234
339957.906	4993.245117	4411.886035	14.083486
340016.219	4988.981914	4390.209961	14.032227
340072.856	4991.989727	4414.181133	13.917869
340131.156	4997.631348	4410.021973	14.041982
340187.188	4995.510254	4411.943848	14.118852
340248.75	4996.597168	4437.944824	14.042969
340306.531	5000.728582	4394.105957	13.874121
340365.438	5000.167227	4386.706543	14.000488
340422.888	4997.071289	4415.495117	13.930664
340484.281	4997.36084	4435.613281	13.963398
340542.888	4987.143088	4408.096191	14.038574
340599.989	4989.664551	4409.027832	13.918457
340656.594	4989.210937	4414.286621	13.924805
340716.281	4989.777344	4429.769531	13.874512
340775.188	4995.779297	4400.515137	13.969727
340831.5	4999.189453	4379.262695	14.169922
340889.844	4999.04248	4372.220703	14.058105
340948.188	4998.07688	4397.218787	14.158738
341005.125	4994.783691	4405.522949	14.11377
341062	4995.821777	4419.085937	13.936523
341119.125	4998.837891	4402.454102	14.069824
341175.813	4994.064453	4405.017578	14.142578
341233.219	4992.487793	4398.318406	14.186035
341291.156	4993.411133	4375.541992	14.187012
341347.531	4997.273437	4391.181641	14.141113
341404.844	5003.352051	4413.156738	13.975586
341463.813	4998.937988	4420.456055	13.95156
341520.438	4984.082773	4404.101662	14.048316
341578.438	4990.788086	4377.44873	13.916039
341636.25	4989.533203	4408.687012	14.09688
341693.344	4993.291992	4405.211426	13.970703
341750.25	4993.990723	4434.608863	13.950684
341807.688	4995.444336	4444.321777	14.119141
341864.219	4996.3125	4466.584961	14.091797
341921.975	4999.066406	4422.839844	13.978562
341978.188	4997.149902	4456.42627	14.128908
342036.75	4996.914082	4421.924805	14.137695
342094	5001.872383	4401.52002	14.145996
342152.625	4998.832812	4375.308594	14.180664
342210.406	4987.077837	4416.42041	14.161641
342267.406	4990.230489	4418.242187	14.030273
342324.844	4988.195801	4388.083008	14.09375
342382.313	4991.34082	4388.679199	14.182588
342441.75	4991.794434	4399.282227	13.98291
342499.5	4994.035156	4384.053223	13.916992
342558.531	4997.450195	4399.137895	14.071289
342616.063	5001.429199	4414.824512	14.050293
342674.094	4997.266802	4399.580059	14.151387

342731.656	4989.157715	4430.482422	14.032227
342788.719	4991.048875	4420.102539	14.064941
342844.375	4988.810894	4393.8875	13.834082
342901.719	4993.180176	4388.284822	14.045888
342960.156	4992.086426	4376.16748	13.939453
343017.656	4995.727539	4392.882324	14.042969
343075.875	4994.997559	4378.755859	13.94873
343133.344	4996.693848	4358.391113	14.136719
343192.156	5000.438965	4391.243652	13.955078
343248.083	5001.27002	4368.422363	13.945312
343307.75	4994.050283	4409.984828	13.994829
343364.594	4993.292989	4385.929887	14.001953
343421.856	4990.90332	4387.75293	13.992187
343480.375	4990.524902	4420.782715	14.168992
343538.75	4990.846191	4420.266602	14.128395
343596.594	4991.571289	4384.552246	13.931152
343654.219	4994.877248	4380.756896	13.881445
343712	4994.514922	4387.888141	14.084727
343768.825	4998.572754	4412.243164	14.153809
343824.688	4996.620117	4420.444824	14.001953
343881.594	5001.807817	4384.588379	14.075195
343939.5	5000.758789	4403.58252	14.102051
343997.583	4999.45166	4422.879883	14.108398
344055.825	4993.827148	4432.999512	14.000488
344115.438	4985.041892	4425.905782	14.057129
344173.908	4987.880352	4391.470703	14.068848
344231.313	4991.857227	4386.213379	14.0625
344288.25	4988.483887	4407.804492	14.056641
344346.344	4995.388719	4389.374023	14.11084
344405.406	4994.058594	4403.981914	14.123535
344462.969	4993.505371	4393.444338	14.060547
344521.825	5000.838379	4411.678756	13.958008
344582.344	4995.178887	4433.378906	14.009788
344642.063	4992.907715	4422.735352	14.005371
344699.719	4996.404297	4418.353518	13.899902
344759.406	4996.054199	4411.054199	14.005371
344816.583	4995.372559	4448.529785	13.964355
344874.084	4991.585449	4423.021973	13.912588
344934.666	4993.071777	4415.255371	13.890825
344994.031	4993.95459	4367.312988	14.013184
345053.844	4996.325195	4397.07373	14.072754
345111.75	4998.569824	4401.878418	13.950195
345170.844	4994.935059	4374.973145	13.97898
345229.531	4998.256348	4395.08375	13.962891
345288.5	5001.812783	4391.781504	14.097656
345346.594	4998.286387	4384.247569	13.944824
345405.489	4993.728582	4388.000977	13.904785
345464.313	4996.883848	4384.624512	13.927246
345521.438	4992.257324	4396.588844	13.900391
345578.375	4989.526387	4382.15332	14.065918
345636.594	4991.21875	4404.682588	13.984375
345693.844	4996.171387	4411.847286	13.97188

345749.75	4995.521484	4408.498047	13.946777
345808.281	4999.988535	4436.026855	14.00293
345884.313	5000.518555	4381.882598	13.918457
345922.375	5004.513184	4389.455078	13.902832
345979.158	4995.978027	4389.503808	13.841408
348037.719	4984.824023	4400.829102	14.137895
348086.808	4991.303223	4425.872559	13.991211
348156.063	4993.130371	4459.176758	14.041504
348212.438	4998.490234	4389.984375	13.986797
348268.313	4995.657227	4421.70188	13.946289
348326.188	4998.293457	4411.088379	13.918822
348382.125	4998.951172	4390.519331	13.982402
348438.858	5003.991211	4404.461428	13.907715
348498	4988.128418	4418.416016	14.018066
348564.75	4996.01709	4411.547852	14.068848
348612.375	4996.363281	4405.052246	14.044434
348689.375	4982.548828	4412.803223	13.903809
348725.084	4983.314453	4398.678711	13.889068
348783.531	4991.498535	4384.249023	13.970215
348841.688	4997.385508	4405.830078	14.054687
348899.438	5002.288068	4397.741211	14.157227
348967.656	5001.344238	4372.524802	14.103027
347015.813	5002.917969	4379.157227	14.160158
347072.875	4998.366599	4399.150879	14.093262
347131	4987.733398	4439.788555	14.118184
347188.438	4989.42827	4470.488535	14.109883
347246.531	4982.908738	4425.847764	14.044922
347303.781	4996.358398	4411.557129	14.074707
347381.989	4988.331543	4385.883359	13.985117
347420.281	4996.418457	4409.581787	13.985117
347478.719	4987.889727	4384.180884	14.125
347538.438	5001.779297	4407.246084	14.085837
347594	5003.753908	4428.848414	14.125488
347651	4995.755859	4400.115723	13.941408
347707.563	4990.49707	4371.518555	13.904785
347785.989	4991.500488	4390.322754	13.979004
347823.281	4994.781738	4404.874316	14.05957
347880.844	4996.853027	4395.293945	13.974121
347939.938	4998.970215	4414.905273	13.935058
347997.813	5003.257324	4398.505889	13.944338
348055.813	5001.888888	4443.411621	13.933594
348118.083	5001.478027	4387.084473	14.088406
348173.719	4989.808891	4393.179887	13.924316
348234.063	4992.785898	4414.354004	13.95168
348284.438	4992.617676	4402.399902	13.980723
348354.531	4991.488281	4410.887461	13.953813
348415.158	4992.049316	4407.588408	13.822383
348475.25	4994.188219	4420.188477	13.958496
348535.5	4996.588426	4414.105489	13.887207
348595.344	4993.647461	4435.478482	13.824805
348655.281	4998.813477	4395.910645	13.938035
348715.25	4999.811133	4423.472856	13.933594

348775.188	4997.978562	4388.880858	14.005859
348835.563	5002.833984	4407.882798	13.812109
348890.875	5001.136719	4409.583496	13.97168
348951.125	4992.070312	4421.452637	13.989746
349010.969	4988.463887	4431.733887	13.909888
349071.188	4993.986328	4390.275879	13.824805
349131.188	4991.380371	4385.508788	13.832129
349191.125	4993.844238	4414.157227	13.846289
349251.094	4997.550781	4428.032227	13.834082
349311.438	4998.209473	4419.198242	13.883555
349371.406	5001.389414	4411.625977	13.925293
349431.5	5002.51123	4384.808398	14.035156
349491.594	4995.750977	4425.310059	13.863398
349551.888	4995.263672	4382.617187	14.028297
349607.031	4998.477539	4389.963867	14.005371
349667.219	4994.889848	4398.083496	14.086449
349727.594	4992.528855	4458.780254	14.081055
349787.906	4982.854492	4428.23291	14.005371
349848.344	4988.503418	4406.575684	14.14209
349908.188	4991.45186	4392.805864	14.182812
349968.625	4996.272849	4435.375488	14.160845
350028.825	4996.576172	4423.828125	14.09375
350088.594	4998.888672	4424.919434	14.091797
350148.781	5004.217285	4382.80127	14.145508
350208.531	5002.861621	4373.131836	14.13816
350268.813	4990.67334	4413.408891	14.074707
350329.188	4988.210449	4436.554189	14.118852
350389.375	4990.767812	4425.541016	14.127441
350448.838	4994.294434	4412.083486	13.899902
350509.25	4994.544922	4414.980489	13.868818
350569.5	4995.018088	4458.250977	14.108863
350629.313	4987.724609	4452.032227	14.129883
350689.125	4995.169457	4449.882129	14.17827
350748.989	5001.028809	4435.98582	14.152344
350808.858	4994.90332	4408.191408	14.147481
350869.031	4988.013672	4412.558641	14.097188
350929.531	4990.482402	4430.858863	14.176781
350990.219	4990.645888	4424.655762	14.129395
351050.563	4992.679199	4408.389902	14.118164
351110.563	4992.679199	4418.892187	14.147481
351170.094	4995.195312	4415.391602	14.148437
351230.313	4994.713379	4410.179199	14.07896
351290.531	4999.880352	4384.651367	14.148484
351350.813	4994.215332	4447.853516	14.157227
351411.25	4994.592773	4430.893555	14.15918
351470.781	4989.818652	4400.138719	14.031738
351531.188	4991.580059	4430.586426	14.118652
351591.25	4984.334981	4437.745117	14.019531
351651.281	4988.538574	4429.906738	14.002441
351706.888	4992.488281	4442.080078	13.878582
351766.583	4995.780273	4435.582031	13.994141
351826.719	4997.839844	4433.454102	14.10791

351888.594	4898.882812	4435.135742	14.108887
351948.25	5002.823242	4420.720215	14.024802
352001.825	4888.741211	4438.571289	14.07373
352061.5	4888.753808	4417.208496	14.09668
352121.531	4888.85498	4384.720215	14.084238
352181.888	4893.088914	4443.479492	14.102539
352241.844	4883.481914	4431.179887	13.980887
352301.75	4898.48707	4420.372558	14.157227
352361.5	5000.157227	4418.774414	13.914551
352421.281	5002.887207	4407.741899	14.025381
352481.888	4897.338944	4436.777832	14.118852
352541.781	4884.838426	4453.785158	14.087383
352601.838	4885.138719	4428.024802	13.925298
352662.344	4885.87627	4408.304199	13.933584
352722.844	4886.42627	4431.756348	14.008301
352783.031	4883.148828	4385.105857	13.908891
352842.888	4889.529297	4388.229492	13.898437
352902.688	4897.616899	4380.821289	14.12207
352963.031	5000.729482	4428.087891	14.153809
353023.344	4897.821777	4382.313885	14.151865
353078.825	4888.789531	4368.235352	14.141113
353139.031	4891.757812	4407.872852	14.131838
353198.875	4888.982422	4397.744141	14.048805
353258.719	4882.75283	4379.375877	14.125877
353318.888	4888.818018	4379.812305	14.033203
353378.581	4896.81084	4410.474808	13.938941
353438.825	4897.812588	4427.844043	14.118629
353498.344	4888.838867	4428.582031	14.162588
353558.583	5000.242878	4423.403808	14.13818
353618.719	4890.898047	4434.843555	13.920888
353678.489	4888.442383	4397.114746	14.123535
353738.813	4882.844434	4404.442871	13.992187
353798.75	4884.58375	4423.169434	14.000977
353858.844	4884.143088	4408.290527	14.135742
353918.438	4888.795898	4400.565895	14.130859
353978.406	4888.30957	4438.585448	14.077148
354038.908	4888.188242	4429.855273	14.162588
354099	4889.345215	4412.337402	14.135742
354159.084	4886.878223	4428.284848	13.973633
354219.084	4886.98877	4425.942871	14.102051
354279.063	4886.442383	4448.14209	14.15332
354338.876	4882.872852	4440.488535	14.07959
354399.188	4884.587383	4475.45752	14.123047
354454.438	4884.083008	4459.842578	14.081055
354514.313	4891.340332	4438.053223	14.088145
354574.281	4888.968881	4480.854785	14.12783
354634.125	4993.375	4435.234863	14.012207
354694.25	4892.695801	4428.438941	14.034668
354754.594	4898.5	4412.90332	14.18748
354814.25	5000.127441	4439.070801	14.146873
354874.938	5000.088914	4402.726562	14.157227
354935.219	5001.17041	4393.889453	14.148437

354994.936	4997.333884	4418.08375	14.123535
355054.688	4997.918457	4434.578125	14.180178
355115.063	4997.238816	4397.137695	14.144531
355170.469	4992.672363	4439.219727	14.177734
355230.5	4994.743164	4439.336426	14.023826
355290.094	4992.747559	4432.339355	14.171875
355350.5	4993.205078	4410.775391	14.127893
355410.719	4992.087402	4408.044434	14.128906
355470.844	4996.081055	4420.685547	14.021484
355531.063	4993.075884	4396.672363	13.98877
355591.844	4998.728145	4417.203125	14.150391
355651.281	4991.584473	4368.148437	14.141802
355711.281	4990.402632	4379.08543	14.158891
355771.531	4994.452637	4407.822852	14.101562
355831.813	4995.310547	4370.327145	14.136718
355892.125	4998.381838	4413.89043	14.125977
355952.563	4999.689434	4409.960448	14.108893
356012.658	4991.859683	4425.388141	14.111328
356072.656	4991.164062	4414.095703	14.117878
356132.438	4992.545898	4378.595703	14.14209
356192.188	4991.758789	4400.383301	14.053223
356252.219	4994.025391	4402.038821	14.133789
356312.856	4994.681641	4383.422852	14.052734
356372.75	4997.837891	4353.599121	14.177246
356432.719	4994.727539	4430.442383	14.149414
356498.125	4995.848145	4375.180664	14.150391
356548.531	4995.378853	4403.489512	13.964844
356608.719	4995.870886	4455.545898	13.918018
356668.594	4997.838872	4421.646484	13.905273
356729.064	4993.455078	4448.680178	13.998535
356789	4997.888457	4455.880858	14.144043
356849.719	4999.832129	4406.891602	14.019043
356910.031	5000.424805	4387.228492	14.163086
356970.083	4998.838914	4371.737305	14.082031
357029.5	5000.032227	4360.522948	14.060059
357089.406	4990.302246	4383.244141	14.134766
357149.5	4991.444824	4414.787109	14.108375
357209.875	4993.002441	4409.541992	14.124023
357270.031	4994.741211	4399.188477	13.978562
357329.906	4996.911621	4403.53125	14.09082
357385.188	5001.071289	4438.708543	14.078102
357444.813	5002.115723	4439.245117	13.931641
357504.938	5005.195801	4402.913574	14.168992
357564.656	5002.594238	4435.841113	13.977051
357625	4999.977051	4438.142578	14.177734
357685.188	4999.95166	4395.239746	14.128883
357745.313	4994.177734	4429.365723	14.150381
357805.25	4996.856543	4398.071777	14.149902
357865.375	4995.476562	4396.568824	14.116699
357925.813	4998.762207	4421.880156	14.159668
357986.125	4993.588895	4439.094238	14.077148
358046.313	4998.51123	4402.472168	14.160156

358106.438	4999.000488	4429.73877	14.135742
358166.719	5003.437012	4454.443848	14.165527
358226.313	4992.504883	4435.981934	14.130371
358286.375	4984.259786	4430.822754	14.14502
358346.594	4985.133301	4423.395506	14.142578
358406.813	4991.108934	4418.347188	14.030782
358466.969	4998.338867	4445.239258	14.132324
358526.219	4985.881836	4441.713379	14.121084
358586.469	5002.403809	4400.786621	14.095215
358647	5001.30127	4383.872559	14.032715
358707.344	4985.702148	4421.287109	14.068824
358767.406	4988.690918	4408.185647	14.078613
358827.594	4992.141602	4380.959473	14.151855
358888.094	4992.567871	4401.128485	14.047383
358948.663	4984.510264	4400.248635	14.033891
359008.656	5003.037109	4411.591309	14.149414
359068.219	5001.241899	4408.634277	14.156738
359128.188	4998.61377	4397.834981	14.088897
359188.166	5001.781719	4401.838036	14.087856
359248.375	5003.875	4416.527832	14.089884
359308.644	4994.681152	4405.686523	13.934062
359368.594	4983.045898	4391.431152	13.983887
359428.625	4995.925293	4429.654297	14.141113
359488.656	4999.095703	4413.933105	14.158203
359548.281	5000.475686	4410.702637	14.156504
359608.375	5002.323242	4388.57959	14.091309
359668.344	5001.816211	4359.583486	14.050781
359728.281	4986.811818	4388.488282	14.070312
359788.531	4993.071289	4450.348145	14.122559
359848.188	4993.32959	4437.753418	14.104482
359908.531	4993.897268	4421.245805	14.095215
359968.825	5002.608887	4432.208055	14.141802
360029.906	5004.129395	4428.945312	14.154785
360090.25	5008.543945	4405.755371	14.14502
360150.888	5009.708543	4391.309082	14.182671
360210.719	5009.871582	4375.297363	14.143088
360271.125	5006.174805	4388.802246	14.151387
360331.281	5001.504395	4401.296387	14.153809
360391.031	4997.557129	4405.988281	14.17827
360451.219	4999.688477	4440.218282	14.185039
360511.489	5001.374023	4424.881348	14.047363
360571.938	5003.841787	4384.397949	14.125977
360632.031	5005.505371	4386.926758	14.160156
360692.125	4996.952637	4389.919434	14.178223
360752.688	4998.104004	4429.91748	14.189219
360812.968	4999.30127	4430.779785	14.15825
360873.094	4998.263872	4435.521973	14.162588
360933.313	4999.218308	4403.158203	14.176758
360993.75	5001.818338	4397.266802	14.142578
361053.591	5001.581055	4386.708981	14.15332
361113.583	5000.848828	4406.258789	14.143088
361173.5	4999.771973	4420.57373	14.126485

381293.375	5002.722168	4397.932817	14.162598
381293.656	5604.248047	4443.487773	14.164062
381353.813	5003.299805	4398.117187	14.164062
381413.781	4993.624023	4387.090332	14.114258
381474.031	5000.108863	4435.273437	14.157227
381534.083	5002.251953	4413.711426	14.150879
381594.031	5006.106445	4415.236816	14.127441
381654.281	5005.271484	4393.019531	14.121084
381714.469	5006.714355	4391.615723	14.125488
381769.813	5001.489727	4417.400679	14.117678
381829.875	5003.632324	4391.871094	14.135254
381889.406	5001.87793	4397.48877	14.128418
381948.469	4995.188965	4428.844727	14.084453
382009.938	5003.490234	4388.238328	14.112793
382070.094	5000.513184	4406.891602	14.128465
382125.375	5003.753418	4407.942383	14.10791
382185.825	5009.011719	4394.083984	14.178223
382245.281	5008.023926	4385.828906	14.164651
382305.281	5006.180176	4433.094238	14.157227
382365.281	5002.026855	4407.859863	14.143066
382424.781	4998.674805	4410.424318	14.190918
382480.063	4998.704102	4408.947286	14.191895
382540.188	4999.549805	4398.184082	14.148973
382600.094	5005.267812	4415.374512	14.174316
382655.406	5008.727539	4401.97998	14.154297
382716.375	5009.883106	4389.929199	14.153809
382775.25	5006.513184	4407.823828	14.180176
382835.563	5006.189434	4406.789062	14.161133
382895.844	5003.348833	4384.355488	14.15825
382958.166	6001.398484	4402.163088	14.124512
383018.5	4995.615234	4406.021484	14.182588
383075.938	5000.377441	4409.602051	14.138672
383135.844	5007.385742	4432.905762	14.168845
383196.25	5007.995117	4434.384748	14.175293
383256.125	5008.144043	4427.321289	14.166892
383315.969	5013.913086	4388.383789	14.140825
383376.583	5010.894824	4385.304199	14.148437
383438.888	5001.892871	4387.544434	14.168018
383498.856	4992.843555	4397.008277	14.177246
383556.781	4998.114258	4387.181152	14.168845
383616.5	4998.84375	4377.310547	14.179587
383678.058	4998.520508	4352.243164	14.138672
383736.489	5005.819336	4363.039062	14.108934
383798.969	5008.979004	4376.978516	14.154785
383868.813	5010.584961	4425.948242	14.158881
383918.406	5013.683105	4401.284848	14.144531
383978.719	5008.702837	4377.308105	14.164062
384038.75	5010.762207	4383.086406	14.187989
384098.75	5008.254883	4358.477051	14.143555
384157.188	5005.32373	4393.839453	14.150879
384217.594	5005.281016	4441.871094	14.178711
384277.844	5006.44043	4411.634277	14.129335

364337.825	5005.099121	4387.790527	14.158888
364397.5	5005.48584	4402.474609	14.156738
364452.75	5010.80127	4408.713887	14.152344
364512.375	5008.422652	4385.97998	14.17827
364571.813	5010.79541	4420.850195	14.168434
364631.469	5008.414062	4378.384766	14.114746
364691.813	5004.515625	4399.191348	14.13623
364751.875	5004.406738	4384.240234	14.143066
364811.688	5005.797383	4415.172852	14.192871
364871.584	4999.022949	4415.384766	14.138848
364931.375	5002.658691	4410.487783	14.174316
364991.469	5005.274902	4401.841797	14.157715

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Sample 5 2R 5hz ±5mm 23g No Lube 1mA 12V o.c. 385K cycles 10 sec trigger no Intermit section

12/18/2002 2:28 PM

cycles	Stage	Amplitude	ohms	Noise
0	4288	4409.018068	22.5	
62	4780	4397.907227	23.0	
124	4969	4372.444824	23.0	
214	4933	4382.472856	23.1	
271	4971	4327.524902	23.0	
338	5021	4365.123047	23.0	
405	5042	4364.191895	23.0	
488	5015	4339.958498	23.0	
545	5018	4342.168945	23.1	
611	5007	4347.312988	23.0	
674	5011	4341.905178	23.0	
733	4988	4381.047383	23.1	
793	4986	4380.059082	23.0	
853	4997	4377.745605	23.0	
912	5012	4383.278367	23.0	
972	5018	4379.208008	23.1	
1060	5011	4368.831836	23.1	
1117	5000	4365.898437	23.0	
1175	4998	4353.260782	23.2	
1233	5010	4353.195312	23.1	
1290	4995	4370.037598	23.1	
1348	5001	4342.313477	23.0	
1406	5000	4371.458008	23.0	
1464	5003	4382.223633	23.1	
1522	4997	4380.234853	23.0	
1579	5005	4383.630371	23.0	
1637	4997	4415.938035	23.0	
1695	5006	4408.898437	23.1	
1752	4996	4384.13916	23.0	
1815	5003	4381.868504	23.1	
1873	4979	4372.197754	23.0	
1933	4984	4400.934082	23.2	
1992	4980	4408.207031	23.0	
2052	4985	4380.914551	23.0	
2111	4988	4352.946777	23.1	
2171	4987	4368.842578	23.0	
2231	4987	4381.352539	23.0	
2290	4989	4383.517578	23.0	
2350	4988	4413.898437	23.1	
2410	4990	4384.527344	23.0	
2470	4995	4354.864258	23.0	
2530	4996	4386.32959	23.1	
2590	4992	4381.59658	23.0	
2650	4992	4384.892383	23.0	
2710	5000	4369.097856	23.0	
2770	5001	4413.744141	23.0	
2830	5004	4388.941895	23.0	
2890	5000	4388.106445	23.1	

2949	5004	4383.179887	23.0
3009	5002	4390.724609	23.0
3069	5003	4385.601562	23.0
3129	5005	4391.254395	23.1
3190	5005	4372.28418	23.1
3249	5001	4379.80127	23.1
3309	5010	4403.410845	23.0
3369	5010	4387.195801	23.1
3428	5007	4388.409888	23.1
3488	5012	4421.81084	23.0
3548	5012	4433.128906	23.1
3608	5014	4397.04834	23.1
3668	5009	4393.824219	23.0
3728	5013	4382.89873	23.0
3788	5012	4401.978516	23.0
3848	5014	4402.208984	23.1
3908	5016	4421.227051	23.0
3968	5015	4417.890625	23.1
4028	5014	4424.782895	23.0
4088	5013	4405.649414	23.0
4148	5016	4353.886289	23.0
4208	5016	4372.788621	23.1
4268	5019	4359.097188	23.0
4328	5010	4383.578613	23.1
4443	5017	4382.616699	23.0
4505	5000	4357.773437	23.1
4566	5021	4369.891211	23.0
4626	5007	4379.72898	23.1
4686	5025	4383.734375	23.0
4746	5020	4379.171387	23.0
4801	5007	4382.427734	23.0
4864	4998	4386.788531	23.0
4922	5003	4355.008301	23.0
4979	4994	4372.124512	23.0
5037	5007	4392.859375	23.0
5094	5000	4404.318359	23.0
5152	5008	4411.118652	23.0
5209	5002	4388.921875	23.0
5267	5009	4380.392578	23.0
5325	5001	4407.852539	23.0
5383	5010	4376.673828	23.0
5441	4996	4414.148437	23.0
5498	4997	4398.82866	23.0
5556	4993	4415.294922	23.0
5613	5003	4405.916016	23.0
5671	4997	4402.332031	23.0
5729	5005	4404.531738	23.1
5787	4998	4420.274414	23.0
5844	5002	4401.083496	23.0
5902	4997	4412.321777	23.0
5960	5005	4385.871094	23.0
6017	4999	4417.751465	23.0

6075	5006	4382.134766	23.0
6132	4996	4381.95459	23.0
6190	5000	4375.347858	23.0
6248	5000	4387.328813	23.0
6305	5000	4391.913086	23.0
6363	5000	4382.436035	23.0
6420	5009	4384.931641	23.0
6478	5003	4397.049318	23.0
6536	5008	4417.995117	23.0
6593	5002	4399.249512	23.1
6651	5002	4389.873047	23.0
6709	4999	4405.967773	23.0
6767	5003	4386.26709	23.0
6824	4894	4371.886328	23.0
6882	5002	4371.581055	23.0
6939	4994	4396.059082	23.0
6997	5003	4402.108398	23.0
7054	4997	4388.486816	23.0
7111	5003	4403.618555	23.1
7169	4999	4443.578125	23.0
7227	5004	4408.816408	23.1
7284	4999	4399.518088	23.1
7342	4999	4370.745117	23.0
7399	4998	4382.084961	23.0
7457	5008	4396.064941	23.1
7514	4999	4409.598145	23.0
7572	5002	4388.129883	23.0
7629	4992	4436.787109	23.1
7687	5004	4386.797852	23.0
7745	4992	4375.919434	23.1
7803	5001	4371.447268	23.1
7860	4998	4371.40625	23.1
7918	5003	4358.774414	23.0
7976	4996	4366.724808	23.0
8033	5003	4371.222656	23.0
8091	4994	4402.594727	23.0
8149	5001	4382.129395	23.0
8207	4990	4392.786621	23.0
8264	5004	4402.326172	23.0
8322	4996	4385.64602	23.0
8380	5005	4423.33252	23.0
8438	4994	4416.161621	23.1
8495	5004	4408.779785	23.1
8553	4996	4399.708498	23.0
8611	5002	4410.188453	23.0
8668	4999	4422.291504	23.0
8725	5002	4429.030762	23.0
8783	4999	4402.103027	23.0
8841	5005	4394.603516	23.0
8899	5000	4402.630371	23.0
8957	5000	4372.32373	23.0
9014	5002	4403.463379	23.0

9072	5004	4383.578613	23.0
9130	5000	4380.661133	23.0
9167	4997	4382.813985	23.0
9245	5001	4390.159668	23.0
9303	5004	4444.875	23.1
9360	4997	4410.578613	23.0
9418	5009	4365.488281	23.0
9476	5001	4374.116234	23.0
9533	5009	4380.45186	23.0
9591	5003	4370.834473	23.0
9648	5001	4412.739748	23.0
9706	4994	4371.305884	23.0
9764	5001	4361.584961	23.0
9821	4999	4395.410845	23.0
9879	5001	4382.839941	23.0
9938	4997	4407.660158	23.0
9995	5005	4385.080588	23.1
10052	5006	4395.982891	23.0
10110	4999	4370.927248	23.0
10168	4994	4349.278287	23.0
10226	5003	4373.369629	23.0
10284	4998	4378.685312	23.0
10341	5004	4406.702837	23.0
10398	4997	4414.875488	23.0
10456	5007	4423.238816	23.0
10514	4995	4412.624512	23.1
10572	5003	4389.903809	23.0
10630	4996	4400.417989	23.0
10688	5002	4386.581035	23.0
10746	5000	4373.945312	23.0
10804	5002	4385.188822	23.0
10862	4997	4387.684824	23.1
10919	5006	4359.631348	23.0
10977	4999	4387.751465	23.0
11034	4997	4391.394043	23.0
11092	4998	4387.180175	22.9
11150	5007	4356.196777	23.0
11207	4996	4375.317383	23.1
11265	4999	4362.70458	23.0
11323	4999	4386.374512	23.1
11381	5001	4371.188504	23.0
11438	4995	4385.304687	23.0
11496	5000	4379.738816	23.0
11553	4999	4402.973633	23.0
11611	5007	4386.595215	22.9
11669	4995	4370.357422	22.9
11726	5000	4414.033203	22.9
11789	4996	4386.436523	23.0
11847	5001	4354.987793	23.1
11904	5003	4393.771484	23.0
11965	4979	4387.490723	23.0
12025	4979	4384.180845	23.0

12082	5001	4385.23877	23.1
12142	5010	4384.148437	23.0
12205	4996	4351.020508	23.0
12273	5002	4371.834961	23.0
12338	4994	4392.319338	23.0
12389	5001	4366.169822	23.0
12456	4979	4384.888941	23.0
12515	4998	4431.071289	23.0
12572	4963	4388.73291	23.0
12633	4963	4381.502441	23.0
12692	4979	4372.253418	23.0
12760	4993	4360.692871	23.0
12820	4996	4378.570312	23.0
12878	4981	4395.023928	23.0
12938	4993	4376.911133	23.0
12995	4981	4393.966797	23.0
13055	4989	4393.515625	23.0
13112	4981	4393.419922	23.0
13172	4981	4352.842285	23.0
13232	4981	4372.884531	23.0
13289	4979	4409.876485	23.0
13348	4984	4352.408691	23.0
13406	4984	4382.505371	23.0
13463	4979	4385.792989	23.1
13523	4981	4379.072268	23.0
13583	4985	4409.011719	23.0
13641	4982	4399.537109	23.0
13701	4984	4410.883105	23.0
13760	4982	4417.084473	23.0
13820	4983	4419.135254	23.0
13880	4986	4382.05957	23.0
13940	4982	4370.07888	23.0
14000	4985	4395.378465	23.0
14060	4984	4369.32373	23.0
14118	4988	4374.890918	23.0
14179	4988	4370.07959	23.0
14239	4984	4369.084473	23.0
14299	4988	4387.710937	23.0
14358	4987	4369.699707	23.0
14418	4988	4383.522461	23.0
14477	4988	4386.608934	23.0
14537	4989	4367.258348	23.1
14597	4985	4414.399902	23.1
14657	4988	4395.670898	23.0
14717	4986	4381.493184	23.0
14777	4988	4380.253418	23.0
14837	4987	4389.988816	23.0
14897	4991	4397.615723	23.0
14957	4989	4415.159888	23.0
15018	4991	4373.016113	23.0
15078	4988	4405.550293	23.0
15133	4990	4385.358375	23.0

15193	4989	4377.004883	23.1
15253	4991	4395.354746	23.0
15312	4993	4388.842773	23.0
15372	4991	4398.086181	23.1
15432	4992	4388.546387	23.1
15482	4990	4358.711914	23.0
15552	4992	4348.463867	23.0
15612	4991	4375.700684	23.0
15672	4991	4407.414082	23.1
15731	4992	4401.836887	23.0
15791	4994	4394.970703	23.0
15850	4991	4411.011719	23.1
15910	4994	4397.842285	23.0
15969	4991	4405.839355	23.0
16030	4997	4368.132324	23.0
16090	4993	4412.870898	23.0
16149	4996	4364.875977	23.0
16209	4995	4366.182817	23.0
16269	4994	4364.421387	23.0
16329	4993	4395.058841	23.0
16388	4995	4390.010254	23.0
16448	4993	4377.039551	23.0
16508	4994	4348.71875	23.0
16568	4999	4349.992876	23.0
16628	4997	4381.364258	23.1
16687	4997	4419.379883	23.0
16747	4995	4372.428758	23.0
16806	4997	4399.895508	23.0
16866	4996	4391.105469	23.0
16926	5002	4366.022949	23.0
16986	5001	4368.091309	23.0
17045	4996	4426.893496	23.0
17105	4999	4418.80957	23.0
17165	4996	4399.330586	23.1
17225	4999	4387.898242	23.0
17285	4997	4379.102539	23.1
17345	4994	4356.821777	23.0
17404	4997	4333.295896	23.0
17464	4997	4388.76123	23.0
17524	4994	4368.158203	23.0
17584	4998	4350.257324	23.0
17644	4997	4353.874318	23.1
17704	4998	4351.190918	23.0
17763	4997	4325.910645	23.0
17823	4996	4340.040527	23.0
17883	4999	4393.458008	23.0
17942	4999	4383.863789	23.0
18002	4995	4387.700195	23.0
18062	4998	4377.494829	23.0
18121	4998	4396.010254	23.1
18177	5001	4401.208984	23.0
18237	5001	4412.370117	23.0

18293	5000	4423.09868	23.0
18349	4999	4409.140625	23.1
18409	4998	4399.478074	23.1
18465	5000	4388.280782	23.0
18526	4998	4378.061035	22.9
18583	4999	4375.855469	23.0
18643	5001	4355.025391	23.1
18705	4997	4390.124512	23.0
18768	5001	4413.60791	23.0
18822	4998	4375.238816	23.0
18883	5000	4382.998094	23.0
18943	4998	4379.171387	23.0
19000	5003	4413.171387	23.0
19055	5001	4372.741211	23.0
19115	4999	4383.123536	23.0
19172	5001	4383.283945	23.0
19233	5001	4416.010742	23.0
19295	5002	4391.38916	23.0
19351	4998	4391.765825	23.1
19412	5000	4377.79248	23.0
19475	5002	4376.851562	23.0
19536	5001	4373.987305	23.0
19597	5005	4386.442383	23.0
19658	5003	4372.881836	23.0
19715	5000	4385.963379	23.0
19775	5000	4377.374023	23.0
19835	5002	4391.361562	23.0
19894	5001	4374.019531	23.0
19953	5005	4361.64502	23.0
20014	5005	4385.906203	23.1
20074	5005	4390.447288	23.0
20136	5002	4378.219238	23.0
20193	5003	4398.126485	23.0
20254	5001	4397.152832	23.0
20315	5003	4432.179199	23.1
20375	5004	4418.648973	23.0
20437	5004	4382.635254	23.0
20498	5003	4373.278809	23.0
20558	4999	4382.235352	23.0
20619	5001	4388.65332	23.0
20679	5005	4393.588648	23.1
20738	5006	4363.223145	23.0
20800	5005	4395.268086	23.0
20861	5005	4389.841113	23.0
20917	5004	4390.528855	23.0
20974	5007	4422.791992	23.0
21035	5005	4408.381602	23.1
21091	5002	4393.901855	23.0
21153	5004	4385.136719	23.0
21214	5004	4430.38916	23.0
21270	5003	4397.25	22.9
21331	5006	4385.190918	23.0

21383	5004	4365.297383	23.0
21454	5001	4399.620117	23.0
21515	5004	4372.739748	23.0
21576	5007	4374.118164	23.0
21636	5008	4398.095703	23.0
21699	5002	4388.117187	23.0
21760	5005	4397.802539	23.0
21821	5003	4379.179687	23.0
21883	5005	4410.341797	23.0
21943	5005	4378.543945	23.1
22004	5003	4381.352051	23.0
22065	5008	4374.230957	23.0
22126	5003	4408.740723	23.0
22182	5004	4396.118889	23.0
22242	5006	4388.739258	23.1
22304	5007	4389.182109	23.0
22360	5001	4394.87793	23.0
22420	5002	4393.363281	23.0
22482	5005	4378.589844	23.0
22542	5006	4409.625466	23.0
22604	5003	4391.75	23.1
22661	5003	4387.231834	23.0
22721	5008	4391.283203	23.1
22778	5006	4382.327148	23.0
22835	5006	4352.050293	23.0
22892	5006	4393.874023	23.0
22951	5005	4379.945801	23.0
23013	5007	4412.234863	23.0
23069	5006	4370.268086	23.0
23130	5005	4405.871387	23.0
23182	5007	4396.35488	23.0
23253	5005	4400.176768	23.0
23315	5008	4428.869922	23.0
23375	5004	4422.382793	23.0
23435	5007	4366.681621	23.0
23496	5006	4422.056664	23.0
23558	5002	4398.722858	23.0
23618	5005	4384.030782	23.1
23674	5003	4383.308694	23.0
23729	5007	4384.586408	23.0
23786	5007	4378.505371	23.0
23843	5003	4383.30957	23.0
23904	5009	4374.84082	23.1
23959	5003	4355.448242	23.0
24019	5006	4361.704102	23.0
24081	5005	4397.355469	23.0
24137	5004	4383.249023	23.0
24193	5008	4397.901367	23.0
24255	5007	4370.172383	23.0
24311	5006	4397.261719	23.0
24366	5006	4385.953125	23.0
24422	5009	4419.891113	23.0

24478	5008	4396.215332	23.0
24539	5009	4417.644531	23.1
24595	5008	4380.734375	23.0
24851	5005	4412.040527	23.0
24712	5008	4361.248047	23.0
24788	5007	4382.975588	23.0
24829	5010	4389.38502	23.0
24890	5008	4384.227539	23.1
24948	5009	4390.408203	23.0
25002	5004	4377.76418	23.0
25058	5008	4363.562248	23.1
25114	5008	4380.108445	23.0
25174	5008	4383.985982	23.0
25235	5007	4370.790527	23.0
25295	5007	4374.717285	23.0
25357	5009	4342.484375	23.0
25417	5003	4350.532227	23.0
25473	5008	4326.584981	23.1
25534	6011	4334.988281	23.1
25590	5010	4372.117876	23.0
25652	5013	4382.424316	23.1
25714	5009	4361.385234	23.0
25770	5007	4395.928711	23.1
25831	5011	4401.776855	23.0
25892	5012	4371.840332	23.0
25952	5014	4357.462891	23.0
26013	5008	4383.687012	23.0
26074	5008	4388.129595	23.1
26130	5011	4373.637885	23.0
26192	5010	4406.958486	23.0
26248	5009	4407.890825	23.0
26308	5008	4371.817871	23.0
26365	5008	4377.996094	23.0
26422	5013	4388.134768	23.0
26479	5008	4363.008789	23.0
26537	5008	4364.182871	23.0
26598	5009	4407.188945	23.0
26655	5007	4442.783891	23.0
26716	5008	4418.878853	23.0
26778	5008	4384.886234	23.0
26837	5010	4387.724121	23.0
26894	5014	4388.291016	23.0
26952	5012	4389.594727	23.0
27009	5008	4387.682588	23.1
27065	5011	4380.885742	23.0
27126	5014	4393.657227	23.1
27188	5014	4379.874512	23.1
27245	5008	4388.16748	23.0
27305	5011	4389.148873	23.0
27363	5010	4387.779785	23.0
27420	5009	4411.42627	23.1
27476	5010	4390.999512	23.0

27532	5010	4375.269043	23.1
27593	5012	4408.800293	23.0
27658	5009	4407.115234	23.0
27718	5011	4406.583984	23.0
27773	5008	4386.837891	23.0
27834	5011	4420.248582	23.0
27894	5011	4412.388652	23.0
27949	5010	4415.836914	23.0
28005	5011	4439.564841	23.0
28068	5009	4383.028367	23.0
28123	5010	4356.859809	23.0
28179	5010	4362.015137	23.1
28241	5012	4371.067402	23.1
28302	5013	4380.876485	23.0
28382	5012	4378.842286	23.0
28423	5012	4351.041016	23.0
28484	5009	4387.115234	23.0
28541	5009	4384.23584	23.0
28602	5011	4400.821582	23.1
28663	5009	4388.521973	23.0
28725	5008	4389.693359	23.1
28788	5006	4378.775391	23.0
28848	5011	4397.754883	23.0
28907	5011	4378.077148	23.0
28968	5012	4394.304687	23.0
29030	5012	4364.733398	23.1
29087	5008	4352.749512	23.0
29144	5008	4391.524902	23.0
29201	5013	4391.729004	23.0
29261	5014	4414.196289	23.0
29317	5015	4399.969727	23.0
29374	5018	4370.125	23.0
29430	5014	4380.235352	23.0
29491	5011	4413.84208	23.0
29547	5011	4389.780273	23.0
29607	5014	4392.155273	23.0
29663	5014	4392.137207	23.0
29724	5012	4382.07666	23.0
29786	5010	4387.388826	23.1
29848	5013	4374.40825	23.0
29905	5013	4384.698242	23.0
29968	5014	4378.05957	23.1
30026	5013	4334.70752	23.0
30087	5009	4378.213867	23.0
30144	5013	4378.768113	23.0
30205	5014	4384.491889	23.0
30265	5014	4328.800586	23.0
30322	5012	4369.534868	23.0
30378	5008	4389.544434	23.0
30439	5019	4382.955078	23.0
30496	5018	4356.112793	23.0
30556	5013	4375.15625	23.0

30612	5014	4370.548316	23.0
30672	5018	4383.025391	23.0
30729	5013	4382.504883	23.1
30786	5017	4396.375	23.0
30846	5016	4358.093282	23.0
30906	5016	4382.353516	23.0
30968	5014	4345.311035	23.0
31024	5015	4343.160156	23.0
31085	5015	4360.121084	23.0
31147	5018	4355.326172	23.0
31207	5018	4378.320801	23.0
31269	5017	4380.085449	23.0
31325	5015	4378.478074	23.0
31381	5014	4385.87827	23.0
31438	5018	4408.922363	23.1
31499	5015	4378.250977	23.0
31565	5016	4388.245605	23.0
31616	5017	4408.808641	23.0
31672	5017	4398.738328	23.0
31733	5014	4390.828613	23.0
31789	5016	4367.823242	23.0
31851	5012	4387.358834	23.1
31912	5017	4404.794434	23.0
31968	5017	4379.963887	23.0
32024	5018	4352.289062	23.0
32080	5017	4370.61377	23.0
32141	5017	4382.191895	23.0
32202	5020	4376.62793	23.0
32263	5005	4388.978027	23.0
32321	5008	4370.743164	23.0
32377	5019	4380.238258	23.0
32438	5016	4381.020508	23.0
32507	5000	4370.718238	23.0
32563	5017	4362.725586	23.0
32621	5018	4378.892871	23.0
32677	5015	4379.853809	23.0
32734	5017	4351.738328	23.0
32782	5019	4387.080059	23.0
32850	4997	4381.833789	23.0
32911	5018	4355.271484	23.0
32967	5017	4357.652344	23.0
33028	5018	4339.236328	23.0
33088	4998	4374.629785	23.0
33146	5019	4390.181641	23.0
33207	5016	4409.182588	23.1
33263	5019	4383.677734	23.1
33322	5008	4378.280039	23.0
33378	5013	4372.206055	23.1
33434	5018	4362.125488	23.0
33491	5021	4412.175293	23.0
33551	5017	4385.811328	23.0
33613	5016	4368.588644	23.0

33670	5018	4377.802832	23.0
33727	5019	4343.373535	23.0
33788	5020	4393.183584	23.0
33845	5021	4365.313985	23.0
33904	5017	4349.993652	23.0
33966	5019	4391.981445	23.0
34024	5019	4358.51709	23.0
34082	5018	4383.119829	23.0
34143	5018	4377.464844	23.0
34205	5018	4388.76416	23.0
34262	5020	4389.939841	23.0
34320	5015	4382.743164	23.1
34378	5018	4382.987285	23.0
34437	5020	4358.055864	23.0
34494	5020	4390.894043	23.0
34650	5018	4397.270508	23.1
34811	5018	4417.29248	23.0
34872	5018	4414.199219	23.0
34743	4999	4381.890918	23.0
34801	5020	4407.447754	23.0
34860	5021	4394.868852	23.0
34920	5021	4380.18457	23.0
34986	5001	4382.847168	23.1
35048	5017	4388.176758	23.0
35104	5018	4388.089355	23.1
35164	5022	4400.528909	23.0
35223	5022	4377.355469	23.1
35283	5020	4399.230957	23.0
35343	5000	4371.274902	23.1
35409	4992	4380.591797	23.0
35467	5016	4374.929687	23.0
35537	5002	4395.136718	23.0
35596	5000	4381.303711	23.0
35654	5022	4385.724121	23.0
35722	5002	4397.925781	23.0
35779	5019	4382.969238	23.0
35838	5018	4383.544434	23.1
35893	5018	4398.095215	23.1
35961	4995	4406.427246	23.0
36023	4996	4383.070312	23.0
36090	5002	4388.533203	23.0
36162	6000	4395.498047	23.0
36211	5019	4400.585937	23.0
36269	5022	4368.866309	23.0
36331	5018	4383.043945	23.0
36386	5020	4392.257812	23.1
36448	5022	4427.458984	23.0
36508	5019	4391.347656	23.1
36568	5020	4420.275391	23.0
36626	5023	4401.800879	23.0
36685	5020	4382.64502	23.1
36747	5024	4399.012895	23.0

36817	4995	4363.16748	23.1
36873	5017	4394.663086	23.0
36934	5001	4367.488281	23.0
36992	5022	4389.96582	23.0
37053	5018	4345.675293	23.0
37109	5001	4368.804887	23.0
37167	5020	4387.222168	23.0
37224	5022	4404.793457	23.0
37288	5002	4349.913574	23.1
37348	5000	4390.845215	23.0
37411	5000	4372.562734	23.0
37472	5002	4401.632812	23.0
37529	5001	4408.249512	23.0
37591	5020	4424.745905	23.0
37648	5020	4434.915039	23.0
37703	5000	4388.98877	23.0
37762	5022	4369.316408	23.0
37823	5021	4379.711426	23.0
37882	5004	4384.30127	23.0
37939	5018	4391.632324	23.0
38009	5002	4379.601074	23.0
38071	4998	4371.961914	23.1
38129	5020	4330.036621	23.0
38192	5019	4380.278367	23.0
38261	5000	4358.711914	23.1
38323	5023	4369.345215	23.0
38382	4999	4344.3125	23.1
38461	5004	4398.432129	23.0
38517	5003	4398.226582	23.0
38562	4998	4364.886992	23.0
38639	4997	4394.241211	23.1
38701	5022	4380.435547	23.0
38763	5023	4396.288574	23.0
38827	5002	4385.584961	23.0
38898	4999	4424.602051	23.0
38959	5022	4394.356445	23.0
39025	4998	4387.064941	23.1
39088	5017	4360.60791	23.1
39152	4996	4395.570801	23.0
39219	4997	4392.028809	23.1
39283	5005	4361.519531	23.0
39344	5004	4388.756348	23.0
39414	5000	4356.26709	23.0
39479	4999	4398.172363	23.0
39541	5022	4412.825185	23.0
39598	5000	4402.721191	23.1
39662	5007	4405.280742	23.0
39727	4994	4399.567383	23.0
39791	5008	4409.147948	23.0
39852	5023	4380.478027	23.0
39909	4996	4367.046875	23.0
39974	5009	4388.958984	23.0