

Jacobi Solutions			Gauss-Seidel Solutions			Successive Over-Relaxation (w = 1.05)		
A1x=b1	A2x=b2		A1x=b1	A2x=b2		A1x=b1	A2x=b2	
Iterations: 2	Iterations: 122		Iterations: 2	Iterations: 122		Iterations: 6	Iterations: 134	
Time 1.966398s	Time: 7.577535s		Time: 1.938834s	Time: 7.545732s		Time: 5.866028s	Time: 8.330808	
2	0.667486		2	0.667486		2	0.666187	
171.148153	0.265579		171.148153	0.265579		937.004754	0.267262	
222.867731	0.155138		222.867731	0.155138		1219.860928	0.182905	
208.656603	0.131303		208.656603	0.131303		1146.381801	0.122077	
141.18114	0.177871		141.18114	0.177871		897.483299	0.037037	
71.386666	0.145196		71.386666	0.145196		641.059678	0.048833	
53.902108	-0.037462		53.902108	-0.037462		490.587913	0.203092	
58.350448	-0.196641		58.350448	-0.196641		432.17158	0.290734	
66.409205	-0.12274		66.409205	-0.12274		412.917634	0.116471	
63.815283	0.178416		63.815283	0.178416		396.722872	-0.225172	
51.085699	0.490521		51.085699	0.490521		371.845643	-0.442169	
53.041582	0.577736		53.041582	0.577736		363.431789	-0.327478	
57.642854	0.352724		57.642854	0.352724		364.292697	0.081273	
60.591956	-0.088445		60.591956	-0.088445		369.850671	0.554088	
66.716582	-0.542879		66.716582	-0.542879		380.042506	0.831858	
56.604465	-0.812883		56.604465	-0.812883		387.539015	0.767486	
55.921759	-0.788377		55.921759	-0.788377		437.714956	0.378399	
117.447278	-0.475223		117.447278	-0.475223		542.227002	-0.186693	
113.932503	0.024967		113.932503	0.024967		540.392699	-0.725513	
58.58085	0.562595		58.58085	0.562595		433.956696	-1.060744	
59.255378	0.989678		59.255378	0.989678		380.107336	-1.093552	
53.303364	1.199682		53.303364	1.199682		331.001158	-0.820156	
55.983467	1.147882		55.983467	1.147882		306.511509	-0.317249	
59.865179	0.851167		59.865179	0.851167		291.419001	0.287718	
78.250629	0.376242		78.250629	0.376242		311.112267	0.855349	
68.114141	-0.18146		68.114141	-0.18146		313.554347	1.265717	
58.795246	-0.718227		58.795246	-0.718227		356.364779	1.442291	
82.222974	-1.144097		82.222974	-1.144097		460.646818	1.357894	

90.667281	-1.393055		90.667281	-1.393055		524.205688	1.036386	
104.876058	-1.434274		104.876058	-1.434274		561.97419	0.537555	
104.112082	-1.266285		104.112082	-1.266285		559.377494	-0.051144	
108.777329	-0.920137		108.777329	-0.920137		559.865953	-0.638426	
86.959588	-0.447067		86.959588	-0.447067		531.758774	-1.13885	
93.287441	0.088924		93.287441	0.088924		547.410855	-1.486269	
93.137461	0.622028		93.137461	0.622028		551.634478	-1.638296	
99.606379	1.089928		99.606379	1.089928		563.249795	-1.582709	
102.658947	1.442745		102.658947	1.442745		592.781739	-1.33256	
100.162458	1.646018		100.162458	1.646018		624.885362	-0.923615	
97.742065	1.684091		97.742065	1.684091		706.474271	-0.406228	
92.758313	1.557412		92.758313	1.557412		845.066736	0.159337	
164.865015	1.282559		164.865015	1.282559		1074.425589	0.711629	
227.548365	0.890075		227.548365	0.890075		1239.620457	1.195948	
262.100961	0.417866		262.100961	0.417866		1328.740844	1.566074	
193.344992	-0.091025		193.344992	-0.091025		1243.852151	1.789961	
189.678855	-0.593506		189.678855	-0.593506		1225.465908	1.850212	
193.043328	-1.047671		193.043328	-1.047671		1199.527094	1.747297	
182.259953	-1.419832		182.259953	-1.419832		1109.035384	1.493265	
221.248717	-1.682826		221.248717	-1.682826		908.798799	1.114366	
229.748954	-1.821184		229.748954	-1.821184		678.177566	0.643074	
51	-1.826071		51	-1.826071		50.999999	0.121412	
146.983865	-1.701182		146.983865	-1.701182		890.010645	-0.409917	
226.330845	-1.458107		226.330845	-1.458107		1193.466734	-0.910197	
206.199931	-1.116375		206.199931	-1.116375		1263.631035	-1.343771	
250.284505	-0.699645		250.284505	-0.699645		1377.296935	-1.679725	
226.805157	-0.236425		226.805157	-0.236425		1398.744708	-1.896586	
269.337044	0.24234		269.337044	0.24234		1475.374758	-1.982898	
287.90964	0.70746		287.90964	0.70746		1444.683099	-1.935163	
218.589167	1.131911		218.589167	1.131911		1294.758695	-1.758117	
150.98183	1.490576		150.98183	1.490576		1190.285472	-1.467005	

214.730299	1.764843		214.730299	1.764843		1301.28377	-1.081382	
226.667389	1.938915		226.667389	1.938915		1374.924779	-0.628832	
272.825386	2.007778		272.825386	2.007778		1504.107384	-0.135036	
276.786294	1.966845		276.786294	1.966845		1535.655043	0.367211	
251.593339	1.821685		251.593339	1.821685		1547.691582	0.849722	
250.681168	1.580199		250.681168	1.580199		1570.563426	1.28374	
295.383256	1.257485		295.383256	1.257485		1639.717288	1.646872	
309.772103	0.871046		309.772103	0.871046		1600.193998	1.919683	
222.990413	0.439876		222.990413	0.439876		1416.20687	2.087609	
227.925537	-0.013758		227.925537	-0.013758		1308.277073	2.143243	
202.894368	-0.467369		202.894368	-0.467369		1186.001721	2.085688	
223.142355	-0.899324		223.142355	-0.899324		1155.790061	1.919461	
235.787356	-1.289673		235.787356	-1.289673		1125.201338	1.654262	
261.223327	-1.622679		261.223327	-1.622679		1142.335499	1.302783	
240.076476	-1.880431		240.076476	-1.880431		1119.158026	0.887246	
190.477841	-2.055171		190.477841	-2.055171		1068.536193	0.425492	
219.045503	-2.137984		219.045503	-2.137984		1145.054025	-0.057417	
204.447815	-2.127851		204.447815	-2.127851		1203.72014	-0.540053	
232.857139	-2.024451		232.857139	-2.024451		1370.561828	-0.997547	
279.298887	-1.833348		279.298887	-1.833348		1536.203305	-1.40958	
258.560809	-1.564898		258.560809	-1.564898		1594.87561	-1.758798	
251.810548	-1.227731		251.810548	-1.227731		1672.116625	-2.026597	
307.17474	-0.83881		307.17474	-0.83881		1791.225599	-2.203987	
292.421758	-0.412849		292.421758	-0.412849		1792.841847	-2.282242	
296.049696	0.031288		296.049696	0.031288		1767.306776	-2.260058	
270.139831	0.477446		270.139831	0.477446		1677.268242	-2.137036	
296.680902	0.907735		296.680902	0.907735		1612.190507	-1.91929	
376.045398	1.304097		376.045398	1.304097		1501.237191	-1.618036	
286.129557	1.652021		286.129557	1.652021		1234.144473	-1.245757	
182.111231	1.939694		182.111231	1.939694		988.974458	-0.81643	
154.886768	2.153263		154.886768	2.153263		841.506396	-0.351967	

132.887106	2.288384		132.887106	2.288384		801.176324	0.132497	
129.738671	2.336235		129.738671	2.336235		888.469327	0.612508	
234.274278	2.299225		234.274278	2.299225		1151.204931	1.073202	
262.585334	2.17566		262.585334	2.17566		1313.070463	1.492451	
280.853072	1.971644		280.853072	1.971644		1341.955671	1.855133	
262.311022	1.693173		262.311022	1.693173		1044.661579	2.145093	
178.763513	1.35157		178.763513	1.35157		1102.037653	2.352597	
191.08292	0.959056		191.08292	0.959056		1009.878751	2.468998	
163.196033	0.528232		163.196033	0.528232		904.364934	2.488555	
233.165699	0.07443		233.165699	0.07443		1128.849143	2.410037	
160.471496	-0.384847		160.471496	-0.384847		873.23107	2.238351	
181.662344	-0.83496		181.662344	-0.83496		1075.905389	1.977852	
152.180788	-1.25947		152.180788	-1.25947		922.136358	1.639125	
217.372826	-1.645194		217.372826	-1.645194		1110.645822	1.232748	
200.133059	-1.975671		200.133059	-1.975671		1042.46172	0.777262	
157.546393	-2.241644		157.546393	-2.241644		721.666472	0.28665	
84.456541	-2.43216		84.456541	-2.43216		483.261907	-0.219075	
77.990981	-2.542223		77.990981	-2.542223		344.139637	-0.723458	
88.807005	-2.564879		88.807005	-2.564879		343.164009	-1.204659	
86.175223	-2.499619		86.175223	-2.499619		386.727448	-1.645616	
107.423585	-2.34875		107.423585	-2.34875		434.464255	-2.030731	
101.32986	-2.116344		101.32986	-2.116344		351.172583	-2.344783	
98.805244	-1.808099		98.805244	-1.808099		381.943433	-2.574184	
116.925015	-1.434605		116.925015	-1.434605		500.827807	-2.71065	
214.317599	-1.007426		214.317599	-1.007426		1043.35641	-2.748072	
116.191738	-0.541561		116.191738	-0.541561		675.26218	-2.685274	
97.849278	-0.049224		97.849278	-0.049224		471.194372	-2.520118	
121.38852	0.451251		121.38852	0.451251		569.253224	-2.260136	
98.126503	0.944171		98.126503	0.944171		426.519836	-1.91226	
107.521072	1.411697		107.521072	1.411697		471.295092	-1.489925	
123.829896	1.840797		123.829896	1.840797		577.810139	-1.00381	

118.581657	2.21414		118.581657	2.21414		549.238822	-0.473555	
137.032006	2.517793		137.032006	2.517793		623.207795	0.081213	
106.670377	2.743559		106.670377	2.743559		531.975892	0.644382	
109.808031	2.87995		109.808031	2.87995		502.949269	1.192365	
103.4555	2.922128		103.4555	2.922128		430.953295	1.706222	
109.82042	2.864573		109.82042	2.864573		491.457478	2.164162	
152.109323	2.711483		152.109323	2.711483		593.023254	2.552547	
159.970943	2.461809		159.970943	2.461809		601.754855	2.851314	
144.930656	2.124637		144.930656	2.124637		554.456215	3.050295	
142.109774	1.707746		142.109774	1.707746		567.619114	3.138134	
148.71979	1.22468		148.71979	1.22468		566.484724	3.110748	
140.986056	0.690173		140.986056	0.690173		530.124435	2.965971	
189.647965	0.120331		189.647965	0.120331		684.084075	2.705758	
176.917544	-0.467056		176.917544	-0.467056		818.301683	2.335873	
171.676773	-1.049133		171.676773	-1.049133		768.926333	1.871103	
131.617328	-1.60862		131.617328	-1.60862		619.66816	1.3232	
162.769098	-2.123903		162.769098	-2.123903		645.165824	0.712381	
179.200339	-2.578188		179.200339	-2.578188		716.598106	0.057728	
165.230911	-2.949463		165.230911	-2.949463		749.644586	-0.612232	
116.441892	-3.225693		116.441892	-3.225693		645.032322	-1.276023	
139.661711	-3.393007		139.661711	-3.393007		617.107562	-1.906278	
168.906901	-3.44206		168.906901	-3.44206		613.936023	-2.47775	
161.826369	-3.366298		161.826369	-3.366298		671.071618	-2.964509	
187.558777	-3.16409		187.558777	-3.16409		660.959176	-3.344695	
162.077615	-2.839645		162.077615	-2.839645		719.732723	-3.600326	
119.975027	-2.39975		119.975027	-2.39975		535.723348	-3.716299	
142.561511	-1.854479		142.561511	-1.854479		706.55253	-3.679995	
150.403207	-1.223537		150.403207	-1.223537		691.838264	-3.49092	
164.9304	-0.523477		164.9304	-0.523477		664.838457	-3.146414	
103.656744	0.217563		103.656744	0.217563		444.736306	-2.659302	
123.259548	0.977573		123.259548	0.977573		483.897283	-2.038205	

128.48628	1.724193		128.48628	1.724193		463.888026	-1.308106	
136.469305	2.427636		136.469305	2.427636		521.553092	-0.494845	
145.670306	3.0581		145.670306	3.0581		511.591234	0.37003	
130.050784	3.58674		130.050784	3.58674		463.666696	1.251324	
165.631355	3.986541		165.631355	3.986541		623.077115	2.109834	
179.989646	4.232506		179.989646	4.232506		603.309619	2.9035	
307.441923	4.306063		307.441923	4.306063		1529.987758	3.592281	
133.723596	4.196005		133.723596	4.196005		485.238371	4.139781	
156.987226	3.893371		156.987226	3.893371		548.728805	4.508045	
128.357448	3.400852		128.357448	3.400852		649.753414	4.66914	
142.817134	2.729262		142.817134	2.729262		755.617692	4.60301	
136.368926	1.897537		136.368926	1.897537		802.236256	4.297305	
161.993373	0.932527		161.993373	0.932527		739.296494	3.750158	
115.758145	-0.129014		115.758145	-0.129014		542.746688	2.973028	
124.187814	-1.23895		124.187814	-1.23895		518.061028	1.994242	
121.755324	-2.349492		121.755324	-2.349492		553.865194	0.847654	
173.283545	-3.400966		173.283545	-3.400966		643.473257	-0.413101	
135.279614	-4.334254		135.279614	-4.334254		519.695548	-1.725838	
128.37129	-5.085912		128.37129	-5.085912		489.940708	-3.014482	
159.801526	-5.5994		159.801526	-5.5994		557.806291	-4.200575	
163.607646	-5.822408		163.607646	-5.822408		536.576954	-5.199574	
164.978559	-5.711553		164.978559	-5.711553		552.225848	-5.92767	
154.384502	-5.237021		154.384502	-5.237021		602.912844	-6.305604	
133.35268	-4.389226		133.35268	-4.389226		616.123802	-6.270248	
180.063479	-3.179727		180.063479	-3.179727		664.912652	-5.775657	
182.658684	-1.645917		182.658684	-1.645917		633.955813	-4.802271	
199.852419	0.148848		199.852419	0.148848		780.589351	-3.360397	
188.790872	2.105162		188.790872	2.105162		715.568875	-1.505503	
167.416125	4.097939		167.416125	4.097939		590.015027	0.668104	
221.692586	5.969275		221.692586	5.969275		806.511502	3.014943	
149.419757	7.542147		149.419757	7.542147		698.523077	5.348097	

174.804216	8.617068		174.804216	8.617068		699.685465	7.430309	
167.195718	8.994989		167.195718	8.994989		885.714596	8.995673	
203.146888	8.488175		203.146888	8.488175		943.853831	9.758394	
206.236598	6.950597		206.236598	6.950597		855.27478	9.44577	
211.892174	4.303189		211.892174	4.303189		863.221147	7.82761	
286.530078	0.578635		286.530078	0.578635		1382.602905	4.771763	
193.563184	-4.024149		193.563184	-4.024149		866.82444	0.315401	
184.090318	-9.078739		184.090318	-9.078739		786.267367	-5.250136	
178.679282	-13.854208		178.679282	-13.854208		746.85438	-11.268801	
165.81581	-17.211732		165.81581	-17.211732		809.97346	-16.568755	
154.703166	-17.496344		154.703166	-17.496344		750.369803	-19.29552	
199.338883	-12.390358		199.338883	-12.390358		790.203579	-16.684633	
180.964657	1.236815		180.964657	1.236815		777.236889	-4.815839	
203.60998	27.532813		203.60998	27.532813		736.32626	21.717964	
212.553626	71.875969		212.553626	71.875969		678.819786	70.174437	
172.34478	141.143311		172.34478	141.143311		606.789254	150.117667	
189.71741			189.71741			669.747931		
152.816082			152.816082			648.443317		
187.023944			187.023944			736.044416		
221.904331			221.904331			805.784909		
227.985136			227.985136			741.716037		
185.661173			185.661173			661.900801		
200.277513			200.277513			926.014836		
230.378861			230.378861			889.305659		
163.373775			163.373775			647.180088		
159.78152			159.78152			712.734984		
155.681079			155.681079			645.971704		
196.168818			196.168818			678.269996		
177.193988			177.193988			650.384149		
213.625696			213.625696			727.168475		
209.88501			209.88501			739.866623		

239.806584			239.806584			797.868916		
206.345897			206.345897			824.753536		
229.655523			229.655523			841.979958		
235.901186			235.901186			848.739014		
225.777781			225.777781			821.801272		
171.605757			171.605757			681.30704		
282.080141			282.080141			1289.963481		
258.203472			258.203472			1150.523706		
187.615254			187.615254			900.495373		
190.035119			190.035119			925.257282		
166.263383			166.263383			781.181521		
218.640527			218.640527			967.333222		
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383.45572			383.45572			1763.835561		
167.967077			167.967077			698.943865		
165.164009			165.164009			652.583069		
193.631711			193.631711			685.338253		
185.364201			185.364201			667.555181		
224.024506			224.024506			733.159104		
222.218019			222.218019			777.896996		
257.345227			257.345227			784.656717		
174.591283			174.591283			771.116046		
183.034694			183.034694			728.318729		
234.645372			234.645372			757.992115		
205.946241			205.946241			800.675549		
223.799915			223.799915			876.401243		
277.216508			277.216508			1007.421649		
232.671159			232.671159			913.001349		
248.846164			248.846164			870.243783		

270.454186			270.454186			845.495752		
236.34171			236.34171			1111.207286		
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281.145618			281.145618			1306.847581		
200.985373			200.985373			994.786171		
207.728149			207.728149			844.375071		
218.698362			218.698362			772.071722		
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220.249632			220.249632			754.464231		
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208.23395			208.23395			750.002876		
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294.509993			294.509993			1161.432818		
286.786035			286.786035			1216.11815		
243.076055			243.076055			936.490113		
317.347957			317.347957			1102.765732		
199.069877			199.069877			907.847087		
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241.002624			241.002624			822.013597		
254.926381			254.926381			837.643639		
271.261712			271.261712			888.359679		
247.061911			247.061911			881.23509		
281.760232			281.760232			945.447828		
303.545813			303.545813			1221.794654		
234.700031			234.700031			1027.764452		
214.581787			214.581787			866.641071		
251.079033			251.079033			956.93458		
242.890529			242.890529			966.341659		
262.750595			262.750595			980.162887		
284.789528			284.789528			959.862134		

299.495906			299.495906			1104.78795		
276.897979			276.897979			933.722458		
299.599057			299.599057			941.785479		
297.581238			297.581238			926.831289		
223.879128			223.879128			1024.308098		
221.677712			221.677712			969.678042		
268.485323			268.485323			1054.658573		
226.424877			226.424877			918.516877		
284.413166			284.413166			967.802224		
308.748415			308.748415			982.518787		
284.207057			284.207057			1027.899114		
307.865653			307.865653			1047.690909		
299.792531			299.792531			1091.243879		
302.40477			302.40477			1501.929056		
295.525038			295.525038			1413.78134		
273.090502			273.090502			1186.738368		
240.306621			240.306621			1136.38631		
320.27753			320.27753			1217.112321		
217.395009			217.395009			988.12312		
225.694412			225.694412			953.065851		
240.120955			240.120955			1062.744413		
301.792911			301.792911			1101.69389		
269.669671			269.669671			1079.959428		
316.503019			316.503019			1095.603118		
306.917042			306.917042			1017.334537		
317.724028			317.724028			1199.572647		
292.254443			292.254443			1021.750986		
301.394896			301.394896			1057.034124		
386.996791			386.996791			1908.532994		
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367.440031			367.440031			1603.210931		

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269.110793			269.110793			1072.31823		
243.123525			243.123525			1061.112332		
239.538779			239.538779			955.116228		
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305.87793			305.87793			1107.201798		
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273.549211			273.549211			1004.20486		
333.906197			333.906197			1182.446708		
263.603072			263.603072			1040.963497		
351.208669			351.208669			1142.581874		
288.949756			288.949756			1217.598779		
251.363681			251.363681			1085.185318		
334.017093			334.017093			1133.788508		
339.341897			339.341897			1213.107734		
341.80186			341.80186			1235.10238		
354.644833			354.644833			1183.11244		
374.837726			374.837726			1209.780019		
350.258202			350.258202			1516.704794		
294.448953			294.448953			1233.265953		
253.542419			253.542419			1282.732607		
265.609144			265.609144			1173.754086		
270.494424			270.494424			1114.150669		
255.183452			255.183452			1024.136933		
295.798724			295.798724			1051.77086		
296.966043			296.966043			970.083768		
268.484438			268.484438			954.54429		
296.972604			296.972604			1050.46048		
303.69221			303.69221			966.112595		

276.716667			276.716667			857.615617		
338.79554			338.79554			992.066849		
261.73942			261.73942			1040.502195		
316.198757			316.198757			1179.161525		
361.18192			361.18192			1261.836763		
316.453392			316.453392			1094.866314		
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268.804342			268.804342			1275.639619		
357.296823			357.296823			1575.290901		
410.295003			410.295003			1536.980918		
311.514243			311.514243			1269.960223		
333.834607			333.834607			1270.147408		
302.568041			302.568041			1188.970838		
357.037591			357.037591			1300.265574		
383.737271			383.737271			1261.144986		
280.819473			280.819473			1212.077022		
285.6278			285.6278			1217.634547		
334.309125			334.309125			1303.85258		
378.758599			378.758599			1410.849832		
408.237513			408.237513			1347.028305		
368.31809			368.31809			1251.504759		
317.378803			317.378803			1307.008347		
294.304065			294.304065			1274.444217		
362.94471			362.94471			1347.552428		
351.356498			351.356498			1279.741208		
374.938721			374.938721			1264.784908		
262.730083			262.730083			1161.394179		
269.677717			269.677717			1116.273345		
335.045489			335.045489			1144.206908		
279.909258			279.909258			1130.207509		
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308.273143			308.273143			1240.666289		
317.024269			317.024269			1267.485331		
395.048815			395.048815			1347.336429		
385.107767			385.107767			1333.984149		
401.986341			401.986341			1372.336661		
318.195698			318.195698			1409.113003		
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284.212502			284.212502			1315.313763		
370.879155			370.879155			1357.346086		
350.508915			350.508915			1564.472043		
434.383541			434.383541			1759.291679		
460.477414			460.477414			1638.496327		
407.414688			407.414688			1606.902173		
326.428959			326.428959			1310.084407		
392.630686			392.630686			1458.499158		
327.403218			327.403218			1431.808123		
325.270639			325.270639			1472.93296		
356.047489			356.047489			1443.596252		
393.091878			393.091878			1487.669757		
406.329624			406.329624			1650.92121		
320.415502			320.415502			1322.841922		
294.941657			294.941657			1192.981859		
313.039457			313.039457			1252.002469		
358.30918			358.30918			1255.996481		
333.48839			333.48839			1244.692683		
383.635743			383.635743			1333.221324		
433.838978			433.838978			1411.484812		

366.342656			366.342656			1239.772703		
385.03226			385.03226			1379.784437		
437.851521			437.851521			1631.10861		
452.45723			452.45723			1570.184178		
415.000113			415.000113			1312.77908		
371.069833			371.069833			1574.437633		
449.578733			449.578733			1503.668534		
293.441835			293.441835			1288.018933		
316.577599			316.577599			1258.673215		
323.955808			323.955808			1341.795321		
392.953831			392.953831			1381.1327		
360.32488			360.32488			1255.220568		
387.803042			387.803042			1289.82963		
340.965506			340.965506			1364.784962		
337.486284			337.486284			1373.307732		
334.283372			334.283372			1385.619887		
308.188814			308.188814			1412.993461		
422.310851			422.310851			1554.129434		
381.099059			381.099059			1445.886192		
434.661058			434.661058			1483.419013		
441.214592			441.214592			1519.904902		
335.721038			335.721038			1298.41364		
430.331311			430.331311			1444.395142		
406.886535			406.886535			1349.990207		
454.412459			454.412459			1410.519438		
456.499572			456.499572			1461.881209		
433.422156			433.422156			1385.110919		
447.873206			447.873206			1909.484597		
353.725304			353.725304			1379.505288		
374.209244			374.209244			1333.197258		
352.022027			352.022027			1213.005162		

374.890848			374.890848			1145.088532		
423.295575			423.295575			1357.908107		
344.760544			344.760544			1298.654074		
353.843331			353.843331			1360.19148		
416.774305			416.774305			1384.642807		
469.479411			469.479411			1439.83011		
442.300168			442.300168			1469.965748		
400.290284			400.290284			1264.425817		
465.689009			465.689009			1464.704658		
406.592671			406.592671			1274.007574		
521.988955			521.988955			1465.275428		
487.311253			487.311253			1409.810735		
330.858551			330.858551			1372.534768		
319.183611			319.183611			1261.766746		
333.771343			333.771343			1318.23546		
324.176923			324.176923			1240.688229		
368.778661			368.778661			1275.027281		
395.689749			395.689749			1300.429732		
408.558506			408.558506			1342.588702		
419.647676			419.647676			1402.27827		
387.079574			387.079574			1549.597154		
357.900031			357.900031			1512.510033		
377.113301			377.113301			1629.373294		
353.713537			353.713537			1422.075268		
401.792232			401.792232			1427.226953		
466.761862			466.761862			1678.26574		
441.438419			441.438419			1572.72646		
377.581546			377.581546			1570.363675		
369.668448			369.668448			1613.015985		
359.162729			359.162729			1459.547771		
411.64791			411.64791			1489.942141		

478.282043			478.282043			1696.717954		
462.649677			462.649677			1634.909769		
515.483903			515.483903			1837.908859		
460.427036			460.427036			1515.778602		
421.235593			421.235593			1791.089568		
343.510268			343.510268			1539.875482		
404.582407			404.582407			1730.689874		
388.944339			388.944339			1798.626335		
382.568036			382.568036			1631.071323		
475.674286			475.674286			1820.43316		
503.592723			503.592723			1868.281133		
511.029963			511.029963			1765.763264		
375.825849			375.825849			1626.845661		
355.716186			355.716186			1505.738551		
452.050599			452.050599			1673.081609		
372.528058			372.528058			1500.61494		
465.388408			465.388408			1560.902294		
470.764658			470.764658			1639.966051		
448.178562			448.178562			1821.252687		
432.363313			432.363313			1746.742185		
531.743613			531.743613			1856.907705		
429.455361			429.455361			1616.996136		
473.459457			473.459457			1689.809891		
506.460643			506.460643			1796.257019		
445.283179			445.283179			1583.909583		
440.177598			440.177598			1538.006711		
372.630992			372.630992			1313.876746		
404.124641			404.124641			1315.812666		
398.807891			398.807891			1673.054428		
422.106174			422.106174			1769.954231		
352.205998			352.205998			1537.42935		

446.013481			446.013481			1585.173131		
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452.323737			452.323737			1691.478671		
528.222726			528.222726			1850.485821		
397.938244			397.938244			1573.354455		
390.141972			390.141972			1438.068342		
384.470595			384.470595			1228.011952		
414.420591			414.420591			1261.269112		
373.049296			373.049296			1546.34174		
362.298145			362.298145			1451.622677		
395.184414			395.184414			1395.986191		
366.975045			366.975045			1210.669577		
419.533857			419.533857			1555.666534		
410.107335			410.107335			1640.24826		
418.25938			418.25938			1562.034262		
408.663212			408.663212			1484.322628		
441.849599			441.849599			1468.356223		
546.99066			546.99066			1660.76804		
501.067441			501.067441			1699.896997		
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552.544636			552.544636			1746.933445		
530.606334			530.606334			1526.188267		
398.120125			398.120125			1602.529509		
403.210745			403.210745			1686.806413		
406.71226			406.71226			1655.210247		
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514.240348			514.240348			1786.184005		
536.772255			536.772255			1786.997819		
415.576394			415.576394			1600.341869		
396.798556			396.798556			1523.147683		
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462.18664			462.18664			1503.200376		
482.931164			482.931164			1554.608965		
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512.640047			512.640047			1626.668608		
535.82681			535.82681			1667.715712		
517.923742			517.923742			1526.989405		
493.529354			493.529354			1564.511301		
484.767767			484.767767			1695.961342		
548.691361			548.691361			1770.49297		
620.72082			620.72082			1792.592945		
463.932994			463.932994			1732.30154		
521.233617			521.233617			1784.406752		
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539.51801			539.51801			1709.967703		
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459.248676			459.248676			1595.811148		
454.497608			454.497608			1549.455027		
538.440169			538.440169			1682.243736		
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397.862323			397.862323			1458.234602		
407.260867			407.260867			1406.133632		
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474.562997			474.562997			1828.070274		
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494.239654			494.239654			1733.398246		
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557.223237			557.223237			1848.587452		
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605.026028			605.026028			1899.328834		
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455.096249			455.096249			1712.193236		
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457.170048			457.170048			1781.473168		
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587.436531			587.436531			1892.811265		
416.165407			416.165407			1661.047824		
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564.100951			564.100951			1925.00588		
600.322751			600.322751			1933.469301		
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526.794825			526.794825			1797.990886		
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450.662121			450.662121			1469.753911		
524.201137			524.201137			1617.323496		
587.268242			587.268242			1678.589131		
507.516243			507.516243			1529.602118		
572.631438			572.631438			1629.952653		
581.610649			581.610649			1579.267397		
308.813699			308.813699			771.611236		
465.784687			465.784687			1406.812495		
427.040266			427.040266			1463.829931		
412.163724			412.163724			1284.002361		
436.880801			436.880801			1506.211898		
558.942657			558.942657			1646.880544		
438.749765			438.749765			1400.792617		
477.984214			477.984214			1380.115928		
547.002224			547.002224			1592.243289		
480.673817			480.673817			1481.248351		
375.471604			375.471604			952.803105		
391.37919			391.37919			939.24081		
419.877058			419.877058			942.186221		
653.91043			653.91043			1760.186198		
388.627261			388.627261			934.379955		
357.833015			357.833015			959.568774		
395.338457			395.338457			1172.173287		
446.988126			446.988126			1213.805669		
471.708781			471.708781			1353.769938		
445.027827			445.027827			1439.803818		
476.876196			476.876196			1470.630371		
503.320229			503.320229			1425.194633		
505.340618			505.340618			1400.720595		

567.259066			567.259066			1494.466473		
551.645927			551.645927			1505.101709		
454.57179			454.57179			1351.561178		
545.490239			545.490239			1445.13054		
611.453067			611.453067			1660.082014		
601.25498			601.25498			1876.569762		
512.138271			512.138271			1661.983169		
549.018442			549.018442			1695.820787		
492.447675			492.447675			1979.621171		
454.334356			454.334356			1841.765295		
453.632579			453.632579			1755.80337		
437.235145			437.235145			1805.585574		
517.115858			517.115858			1919.774848		
569.10275			569.10275			1951.168799		
615.142844			615.142844			2009.269314		
476.457441			476.457441			1703.731361		
574.858222			574.858222			1940.377247		
547.116422			547.116422			1817.560225		
460.052025			460.052025			1913.174274		
513.862496			513.862496			2063.866002		
480.994226			480.994226			1980.164383		
517.816878			517.816878			1962.509091		
542.636637			542.636637			1996.278657		
634.170506			634.170506			2051.598613		
487.803689			487.803689			1982.051554		
484.307722			484.307722			1974.500762		
609.489802			609.489802			2113.087652		
673.167167			673.167167			2204.952585		
650.155424			650.155424			2176.36131		
489.465143			489.465143			1946.237244		
567.972449			567.972449			1998.67269		

590.322987			590.322987			1961.386241		
666.289711			666.289711			2034.264428		
707.068212			707.068212			2144.659414		
648.564077			648.564077			2068.737479		
635.022863			635.022863			2076.538836		
627.787324			627.787324			2112.398864		
434.308024			434.308024			1106.810231		
606.161136			606.161136			1832.866643		
510.761832			510.761832			1924.242572		
490.196055			490.196055			1844.964469		
540.119248			540.119248			1878.831682		
602.354435			602.354435			1908.660827		
645.700018			645.700018			2049.39097		
635.010659			635.010659			2136.227277		
648.499738			648.499738			2116.446862		
710.02425			710.02425			2199.991489		
504.13763			504.13763			1883.420061		
526.418342			526.418342			1811.110553		
542.109006			542.109006			1932.560654		
632.027157			632.027157			2084.748241		
662.09473			662.09473			2036.266728		
660.941269			660.941269			2116.583007		
625.533788			625.533788			2072.050466		
603.222347			603.222347			1987.994981		
667.388196			667.388196			2061.919625		
738.803209			738.803209			2213.89827		
639.895182			639.895182			1984.756933		
671.06302			671.06302			1986.196428		
541.94117			541.94117			1617.425096		
559.886464			559.886464			2287.032924		
548.125514			548.125514			2175.707142		

540.07864			540.07864			1890.417879		
541.933312			541.933312			2099.723384		
608.315815			608.315815			2048.564438		
677.327838			677.327838			2052.622724		
550.476722			550.476722			2188.537495		
608.301459			608.301459			2185.905819		
518.425082			518.425082			2178.721172		
586.085949			586.085949			2244.731809		
668.470158			668.470158			2301.873373		
624.766513			624.766513			2237.107315		
720.76411			720.76411			2257.509012		
748.995729			748.995729			2301.68533		
738.654708			738.654708			2391.546342		
780.547167			780.547167			2398.452346		
798.696097			798.696097			2420.347482		
538.689447			538.689447			1819.308785		
497.583782			497.583782			1971.381668		
561.890896			561.890896			2180.923866		
577.322793			577.322793			2182.914033		
520.20936			520.20936			2202.055075		
656.062714			656.062714			2361.187883		
709.816807			709.816807			2375.7448		
734.454712			734.454712			2391.919598		
565.882408			565.882408			2097.118847		
751.301841			751.301841			2347.377208		
547.109747			547.109747			2199.021416		
504.519591			504.519591			2055.005515		
580.739743			580.739743			2237.74854		
736.675824			736.675824			2452.111773		
607.616608			607.616608			2219.052425		
729.273861			729.273861			2397.227197		

783.480751			783.480751			2457.600208		
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555.828822			555.828822			1898.450992		
626.973057			626.973057			1998.529019		
645.625246			645.625246			2019.820939		
665.819508			665.819508			2238.411507		
528.873273			528.873273			2030.051694		
636.788453			636.788453			2138.49171		
738.066388			738.066388			2255.186327		
644.136064			644.136064			2061.544798		
754.546655			754.546655			2198.779171		
696.467655			696.467655			2289.497357		
566.626765			566.626765			1957.534147		
631.818116			631.818116			2149.922371		
705.451422			705.451422			2210.165125		
784.563348			784.563348			2376.026459		
761.51005			761.51005			2257.419181		
838.653014			838.653014			2433.280894		
537.560132			537.560132			1500.293309		
745.504927			745.504927			2343.417884		
626.429815			626.429815			2043.605651		
686.359066			686.359066			2076.647606		
759.543133			759.543133			2171.85689		
526.804115			526.804115			1557.231891		
573.717797			573.717797			1591.695679		
743.94779			743.94779			2155.691307		
599.479101			599.479101			1609.417991		
573.265015			573.265015			1550.533852		
536.275446			536.275446			1625.105676		
565.854137			565.854137			1942.55695		
574.316715			574.316715			1874.137493		

604.518775			604.518775			1952.448059		
732.890704			732.890704			2118.842124		
733.422254			733.422254			2109.147259		
655.466464			655.466464			1963.992403		
661.896068			661.896068			2004.291708		
742.331156			742.331156			2123.307359		
563.249002			563.249002			2262.34522		
543.327719			543.327719			1937.227124		
426.122862			426.122862			1290.933591		
441.20128			441.20128			1132.616209		
563.346751			563.346751			1553.103385		
600.228189			600.228189			2101.423083		
591.285859			591.285859			2281.62064		
662.671347			662.671347			2359.757011		
579.491598			579.491598			2137.534745		
666.270935			666.270935			2228.977069		
615.084246			615.084246			2126.966589		
692.293882			692.293882			2260.105874		
671.287906			671.287906			2180.509675		
690.323043			690.323043			1937.54456		
667.99536			667.99536			1870.929213		
508.407157			508.407157			1219.571424		
548.485107			548.485107			1284.155702		
619.456135			619.456135			1567.760138		
815.587213			815.587213			2453.90154		
865.405903			865.405903			2496.288663		
609.691258			609.691258			2366.194338		
581.257543			581.257543			2321.997981		
673.905276			673.905276			2346.195503		
704.743725			704.743725			2333.874596		
792.168323			792.168323			2309.273401		

780.950963			780.950963			2477.507125		
798.334449			798.334449			2508.14319		
854.833228			854.833228			2601.344553		
832.593683			832.593683			2444.658807		
678.844251			678.844251			2375.112318		
788.487429			788.487429			2513.296095		
840.966483			840.966483			2424.482728		
766.10786			766.10786			2494.494784		
869.850159			869.850159			2608.804007		
578.377457			578.377457			2046.205138		
623.918613			623.918613			2023.352531		
789.44487			789.44487			2374.425197		
813.257804			813.257804			2311.759197		
693.736095			693.736095			2108.271174		
726.106377			726.106377			1906.555816		
838.322102			838.322102			2403.365485		
613.786739			613.786739			1863.772546		
649.63066			649.63066			1931.952685		
562.191824			562.191824			1622.756627		
774.42813			774.42813			2523.429582		