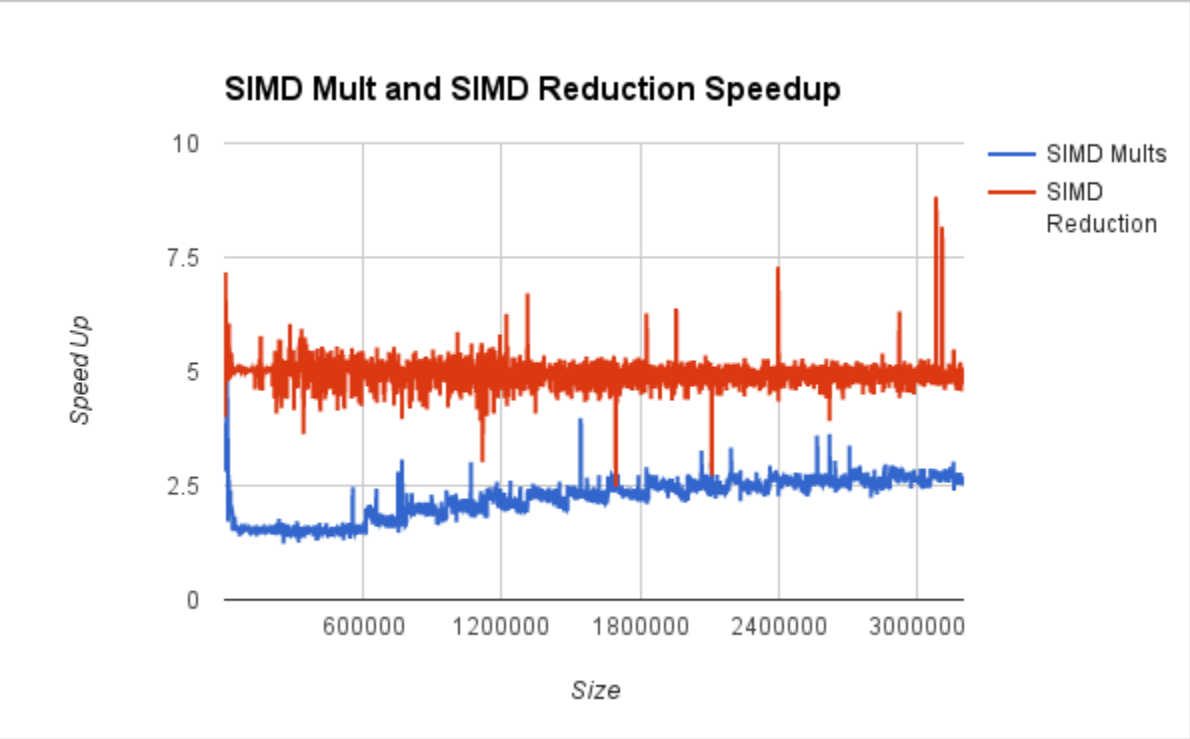


Size	SIMD Mults	SIMD Reductio	SIMD Mult/Red	Manual Mult/Reduction			
1000	3.871606	4.002744					
2000	3.122688	4.719069					
3000	2.812979	4.857547					
4000	3.118037	7.166552					
5000	3.468043	4.869215					
6000	3.638569	4.754725					
7000	3.416239	4.852467					
8000	3.773014	4.80235					
9000	5.059642	4.857128					
10000	5.139627	4.798141					
11000	4.214208	4.864446					
12000	3.945124	5.774075					
13000	3.506164	5.151086					
14000	2.465022	4.808753					
15000	1.707137	4.887318					
16000	2.717525	4.815889					
17000	2.727925	4.899545					
18000	2.315863	4.821244					
19000	2.39516	6.04908					
20000	2.157545	4.84955					
21000	2.29377	4.918892					
22000	2.179781	4.875384					
23000	2.106467	4.91566					
24000	2.39798	4.874772					
25000	2.119176	4.946505					
26000	2.068619	4.896359					
27000	2.089883	4.920666					
28000	1.99859	5.416273					
29000	2.041293	4.942442					
30000	2.017394	5.202043					
31000	1.906007	4.95666					

32000	1.972024	5.196398						
33000	1.880196	4.935056						
34000	1.534084	5.019246						
35000	1.554296	5.027164						
36000	1.559906	5.024243						
37000	1.511466	5.003311						
38000	1.536503	5.03428						
39000	1.589376	5.027418						
40000	1.548797	5.01898						
41000	1.541525	5.021819						
42000	1.531919	5.027212						
43000	1.825301	4.956929						
44000	1.552363	5.033895						
45000	1.582554	5.019279						
46000	1.56563	5.036667						
47000	1.561331	5.033661						
48000	1.564399	5.02765						
49000	1.558936	5.027631						
50000	1.639136	5.023308						
51000	1.554881	5.024192						
52000	1.554326	5.030209						
53000	1.520291	5.029185						
54000	1.55262	5.013552						
55000	1.580816	5.015107						
56000	1.548289	5.026006						
57000	1.549876	5.028316						
58000	1.536618	5.034091						
59000	1.538344	5.159761						
60000	1.547344	5.033334						
61000	1.548055	5.024783						
62000	1.552107	5.02557						
63000	1.535466	5.03249						

64000	1.394435	5.026033						
65000	1.539498	5.034666						
66000	1.539949	5.034181						
67000	1.53982	5.02087						
68000	1.570649	5.021185						
69000	1.537041	5.037401						
70000	1.520977	5.021157						
71000	1.537112	5.043443						
72000	1.557752	5.031727						
73000	1.544617	5.036846						
74000	1.546455	5.026958						
75000	1.539421	5.035071						
76000	1.527596	5.030039						
77000	1.538323	5.01879						
78000	1.535757	5.02461						
79000	1.5377	5.122188						
80000	1.527422	5.030975						
81000	1.541211	5.041874						
82000	1.552559	5.028275						
83000	1.554362	5.039568						
84000	1.53469	5.033566						
85000	1.515818	5.036733						
86000	1.664174	4.997867						
87000	1.552356	5.022629						
88000	1.543825	5.037381						
89000	1.548441	5.033961						
90000	1.524494	5.00445						
91000	1.55405	5.017253						
92000	1.549796	5.031981						
93000	1.561612	5.030378						
94000	1.544717	5.028249						
95000	1.55	5.030674						

96000	1.5415	5.044827						
97000	1.544868	5.040894						
98000	1.549077	5.026676						
99000	1.545292	5.03689						
100000	1.539227	5.034372						
101000	1.535846	5.03082						
102000	1.541682	5.031829						
103000	1.509298	5.02856						
104000	1.531249	5.033203						
105000	1.543591	5.031925						
106000	1.526081	5.024146						
107000	1.5383	5.03131						
108000	1.530955	5.027817						
109000	1.581042	5.036077						
110000	1.537932	5.037448						
111000	1.52519	5.031195						
112000	1.544467	5.026986						
113000	1.536513	5.036377						
114000	1.537168	5.037467						
115000	1.529781	5.03017						
116000	1.516094	5.029605						
117000	1.532067	5.033154						
118000	1.540738	5.049127						
119000	1.539515	5.028655						
120000	1.532324	5.031405						
121000	1.509001	5.032638						
122000	1.530078	5.042106						
123000	1.53384	5.036617						
124000	1.434644	5.078781						
125000	1.521084	5.043838						
126000	1.528515	5.091116						
127000	1.50477	5.026353						

128000	1.486449	5.032934						
129000	1.623264	5.094943						
130000	1.519817	5.037984						
131000	1.523919	5.030031						
132000	1.558263	4.603665						
133000	1.534786	5.032022						
134000	1.53428	5.035015						
135000	1.558454	5.027595						
136000	1.523463	5.035147						
137000	1.53601	5.033469						
138000	1.516205	5.03706						
139000	1.533148	5.032821						
140000	1.541938	5.135427						
141000	1.53274	5.029365						
142000	1.523311	5.036552						
143000	1.539229	5.086607						
144000	1.536681	5.035905						
145000	1.520724	5.03733						
146000	1.53617	4.872239						
147000	1.561607	5.038266						
148000	1.530301	5.028182						
149000	1.516039	5.034936						
150000	1.474587	5.277229						
151000	1.533899	5.228012						
152000	1.528929	5.033368						
153000	1.575904	4.591052						
154000	1.561703	5.033656						
155000	1.529079	5.155217						
156000	1.551648	5.778766						
157000	1.432818	5.039801						
158000	1.608067	5.03071						
159000	1.517855	5.173604						

160000	1.57307	5.04079						
161000	1.526121	5.031338						
162000	1.512669	5.033164						
163000	1.451205	4.583667						
164000	1.525218	5.049117						
165000	1.528398	5.032852						
166000	1.522694	5.034469						
167000	1.53691	5.030946						
168000	1.520103	5.027444						
169000	1.519832	5.08007						
170000	1.525801	5.030476						
171000	1.595203	5.012544						
172000	1.561048	5.03379						
173000	1.532268	5.03565						
174000	1.532671	5.039941						
175000	1.519217	5.027373						
176000	1.534813	5.032617						
177000	1.525461	5.072						
178000	1.532714	5.03123						
179000	1.519319	5.026537						
180000	1.44357	5.039775						
181000	1.529778	5.022867						
182000	1.519929	5.077437						
183000	1.532559	5.043129						
184000	1.531321	5.03008						
185000	1.539438	5.032519						
186000	1.529307	5.021184						
187000	1.529565	5.083899						
188000	1.524298	5.031076						
189000	1.527681	5.038086						
190000	1.527835	5.032132						
191000	1.528583	5.030189						

192000	1.523287	5.072495						
193000	1.528454	5.028994						
194000	1.523197	5.03372						
195000	1.539547	5.0303						
196000	1.525511	5.032412						
197000	1.530552	5.101239						
198000	1.527982	5.025232						
199000	1.520385	5.027888						
200000	1.533523	5.025953						
201000	1.516873	5.032997						
202000	1.521188	5.107366						
203000	1.521125	5.032093						
204000	1.570626	5.033127						
205000	1.557417	5.040346						
206000	1.521343	5.031816						
207000	1.603914	4.674861						
208000	1.519771	5.030094						
209000	1.513876	5.178386						
210000	1.432592	5.037877						
211000	1.520302	5.012428						
212000	1.586009	5.026674						
213000	1.531691	5.033123						
214000	1.62005	5.043589						
215000	1.60815	4.403276						
216000	1.468845	5.170624						
217000	1.643328	5.030568						
218000	1.565144	5.449692						
219000	1.589223	4.905542						
220000	1.612962	5.032125						
221000	1.506278	5.065682						
222000	1.535187	5.034174						
223000	1.508509	5.113295						

224000	1.419585	5.172014					
225000	1.59386	4.075719					
226000	1.64962	5.164527					
227000	1.677623	5.034318					
228000	1.634081	5.187563					
229000	1.524427	5.030764					
230000	1.520898	5.332181					
231000	1.659629	5.210866					
232000	1.532713	5.037186					
233000	1.507425	5.029263					
234000	1.525251	5.033756					
235000	1.77996	5.028284					
236000	1.515495	5.698001					
237000	1.488361	5.035959					
238000	1.444845	5.045653					
239000	1.486239	5.025737					
240000	1.495586	5.043776					
241000	1.552811	5.689622					
242000	1.544712	5.030958					
243000	1.525603	5.027078					
244000	1.453806	5.019836					
245000	1.498791	4.20278					
246000	1.625223	5.030379					
247000	1.458124	4.851216					
248000	1.502703	5.02895					
249000	1.457684	5.275168					
250000	1.459236	5.032543					
251000	1.518307	5.178621					
252000	1.685892	5.058719					
253000	1.511021	5.054295					
254000	1.52144	5.026355					
255000	1.226921	5.080439					



256000	1.493052	5.031727					
257000	1.6202	5.039515					
258000	1.515136	5.025355					
259000	1.466554	5.049849					
260000	1.621678	5.033765					
261000	1.51274	5.058084					
262000	1.583798	4.423791					
263000	1.637621	5.141606					
264000	1.51686	5.029575					
265000	1.50587	5.020415					
266000	1.497414	5.235367					
267000	1.371254	5.030958					
268000	1.50348	5.029016					
269000	1.519176	5.02504					
270000	1.655297	4.396108					
271000	1.545878	5.034579					
272000	1.489925	5.246285					
273000	1.511349	4.915584					
274000	1.474762	5.062625					
275000	1.458755	5.029022					
276000	1.534054	5.058057					
277000	1.446292	5.030066					
278000	1.509255	5.525517					
279000	1.477324	5.031724					
280000	1.499899	5.029617					
281000	1.514414	5.027023					
282000	1.497219	5.026782					
283000	1.380871	6.042435					
284000	1.580608	5.034618					
285000	1.517587	4.889845					
286000	1.545156	5.297291					
287000	1.45601	5.026779					

288000	1.476308	5.033131						
289000	1.422614	5.034241						
290000	1.428763	5.262946						
291000	1.499202	5.03357						
292000	1.493486	5.345883						
293000	1.562347	5.01627						
294000	1.513263	5.029084						
295000	1.444674	4.832118						
296000	1.492284	5.031768						
297000	1.482401	5.270927						
298000	1.636547	5.469659						
299000	1.574263	5.014394						
300000	1.613261	4.155243						
301000	1.399228	5.031748						
302000	1.517147	5.184917						
303000	1.510253	5.030465						
304000	1.398576	5.034805						
305000	1.512788	5.031486						
306000	1.475653	5.127241						
307000	1.436797	5.156242						
308000	1.503193	5.032254						
309000	1.499092	5.136504						
310000	1.473918	5.038915						
311000	1.370919	5.027712						
312000	1.510679	4.919311						
313000	1.519297	5.218778						
314000	1.723947	4.901187						
315000	1.496574	4.62615						
316000	1.50043	5.031057						
317000	1.517181	4.780505						
318000	1.603351	4.676966						
319000	1.561452	5.032399						

320000	1.256465	4.92034						
321000	1.39213	5.185878						
322000	1.467942	5.029567						
323000	1.477328	5.615373						
324000	1.517919	5.031471						
325000	1.530544	5.035765						
326000	1.485287	5.740465						
327000	1.346693	5.031759						
328000	1.460738	5.032966						
329000	1.600652	5.050229						
330000	1.508337	4.993861						
331000	1.485801	5.395086						
332000	1.518323	5.101631						
333000	1.570269	5.928081						
334000	1.48857	5.030178						
335000	1.451646	5.237139						
336000	1.49812	5.033523						
337000	1.597657	5.034447						
338000	1.518167	5.322132						
339000	1.532331	4.394347						
340000	1.54005	5.028943						
341000	1.498986	5.057848						
342000	1.598373	3.633017						
343000	1.51669	5.029006						
344000	1.475231	5.051461						
345000	1.358622	5.214141						
346000	1.494881	5.037067						
347000	1.427921	5.74651						
348000	1.508761	5.036786						
349000	1.486878	5.352404						
350000	1.472902	4.896167						
351000	1.512592	5.283148						

352000	1.504445	5.020623						
353000	1.508187	5.029001						
354000	1.472393	5.601511						
355000	1.52477	5.037632						
356000	1.522826	5.0366						
357000	1.519693	4.599129						
358000	1.431861	5.041099						
359000	1.465245	5.090344						
360000	1.43086	4.628865						
361000	1.498432	5.052018						
362000	1.627128	5.112559						
363000	1.58984	5.288402						
364000	1.516039	5.463177						
365000	1.513249	5.034222						
366000	1.47092	5.281862						
367000	1.597752	5.395863						
368000	1.561736	5.060944						
369000	1.518826	4.786287						
370000	1.497783	4.946455						
371000	1.588142	5.201957						
372000	1.469092	5.019049						
373000	1.493197	5.034744						
374000	1.523578	5.042107						
375000	1.539651	4.760857						
376000	1.490648	5.048548						
377000	1.505298	5.453006						
378000	1.541957	5.037101						
379000	1.543341	5.034433						
380000	1.557054	5.449468						
381000	1.500085	5.040418						
382000	1.482609	4.997728						
383000	1.393619	4.411826						

384000	1.515702	5.229698						
385000	1.578999	5.101946						
386000	1.413727	5.035675						
387000	1.563041	5.194668						
388000	1.438088	5.049881						
389000	1.507123	5.110569						
390000	1.629023	5.168228						
391000	1.487217	4.67335						
392000	1.508532	4.596626						
393000	1.474514	5.052436						
394000	1.520674	5.109523						
395000	1.517464	5.037517						
396000	1.519111	4.553801						
397000	1.29371	5.14701						
398000	1.504965	4.389847						
399000	1.483217	5.031487						
400000	1.557176	5.039487						
401000	1.48976	5.504668						
402000	1.525721	5.056635						
403000	1.469147	5.042153						
404000	1.316217	5.0386						
405000	1.531673	5.039988						
406000	1.485541	5.040204						
407000	1.62794	5.332832						
408000	1.485527	5.018498						
409000	1.517961	5.03565						
410000	1.690026	5.113733						
411000	1.517833	5.034542						
412000	1.559145	4.879532						
413000	1.518842	4.996857						
414000	1.517776	4.125177						
415000	1.493585	5.035381						

416000	1.563655	5.330779						
417000	1.55922	4.94428						
418000	1.470207	5.053981						
419000	1.46046	4.68693						
420000	1.49225	5.185048						
421000	1.447139	5.041642						
422000	1.544366	5.549954						
423000	1.487377	4.526627						
424000	1.50709	5.05208						
425000	1.528577	5.03679						
426000	1.407565	5.03773						
427000	1.452767	5.481051						
428000	1.47116	4.906795						
429000	1.479714	5.309437						
430000	1.495982	5.119231						
431000	1.541507	4.770362						
432000	1.497948	5.126732						
433000	1.46751	5.033524						
434000	1.488254	4.380952						
435000	1.596511	5.112576						
436000	1.472635	5.036773						
437000	1.562335	5.030265						
438000	1.504761	4.828743						
439000	1.495763	4.483958						
440000	1.676274	5.124921						
441000	1.432459	4.890824						
442000	1.452299	5.179497						
443000	1.474117	5.029027						
444000	1.480771	5.012687						
445000	1.53434	4.610278						
446000	1.574407	4.899734						
447000	1.445138	5.405793						

448000	1.36511	5.05939						
449000	1.447278	5.034812						
450000	1.531636	5.03916						
451000	1.476661	4.965498						
452000	1.493625	4.849388						
453000	1.390891	5.031928						
454000	1.540249	5.109544						
455000	1.393075	5.039025						
456000	1.419196	4.99412						
457000	1.477233	4.892064						
458000	1.51205	5.314155						
459000	1.495089	5.037612						
460000	1.54377	5.457643						
461000	1.441729	4.619547						
462000	1.467151	5.178567						
463000	1.475067	5.03601						
464000	1.599581	5.085125						
465000	1.505721	4.891399						
466000	1.470696	5.229076						
467000	1.382651	5.049723						
468000	1.499736	5.309435						
469000	1.515224	4.828504						
470000	1.453369	5.026214						
471000	1.447928	5.033874						
472000	1.555148	5.03654						
473000	1.514397	5.032395						
474000	1.600978	4.486666						
475000	1.53034	4.937117						
476000	1.499862	4.942448						
477000	1.514268	5.033448						
478000	1.557693	5.006542						
479000	1.481553	5.057638						

480000	1.466203	5.174719					
481000	1.506166	5.246234					
482000	1.521109	5.057476					
483000	1.531041	5.31284					
484000	1.473601	5.036472					
485000	1.552309	5.113588					
486000	1.558311	5.038129					
487000	1.542737	5.551763					
488000	1.457538	5.204946					
489000	1.596483	4.149903					
490000	1.500665	4.964648					
491000	1.410205	5.036593					
492000	1.51375	5.040828					
493000	1.5121	5.055041					
494000	1.402387	5.041742					
495000	1.547574	5.033508					
496000	1.563938	5.016096					
497000	1.504928	5.034109					
498000	1.428083	5.034939					
499000	1.528013	5.288916					
500000	1.523679	4.461551					
501000	1.527227	5.098459					
502000	1.487967	5.036745					
503000	1.49733	5.37311					
504000	1.622361	4.802737					
505000	1.488008	5.037078					
506000	1.557945	4.890225					
507000	1.451825	5.037778					
508000	1.504882	5.479519					
509000	1.384673	5.036861					
510000	1.526568	4.98876					
511000	1.545175	5.039724					



512000	1.570649	5.132687						
513000	1.695991	5.374023						
514000	1.310213	5.012304						
515000	1.453656	5.155411						
516000	1.506648	4.777959						
517000	1.430683	5.04278						
518000	1.448657	4.173828						
519000	1.493699	4.964803						
520000	1.576836	4.516683						
521000	1.485064	4.788521						
522000	1.50563	5.036241						
523000	1.498498	5.034126						
524000	1.447255	5.099188						
525000	1.582355	5.205107						
526000	1.481324	5.04987						
527000	1.580077	5.045916						
528000	1.512658	5.050569						
529000	1.64007	5.054014						
530000	1.490263	5.266046						
531000	1.440209	5.052143						
532000	1.566602	5.051847						
533000	1.607827	5.048402						
534000	1.50224	5.044342						
535000	1.528378	5.201857						
536000	1.496909	5.039906						
537000	1.683521	4.971521						
538000	1.486695	5.037749						
539000	1.518682	5.039299						
540000	1.561572	5.193395						
541000	1.577346	5.01031						
542000	1.343688	5.02142						
543000	1.439063	5.114899						

544000	1.478562	5.047937					
545000	1.430091	5.055817					
546000	1.466582	5.048558					
547000	1.6467	5.167602					
548000	1.515601	5.374196					
549000	1.520428	5.046875					
550000	1.506491	4.40491					
551000	1.523341	5.037216					
552000	1.476474	5.516289					
553000	1.489286	5.026572					
554000	1.574568	5.205967					
555000	2.462147	4.942135					
556000	1.484589	5.35113					
557000	1.486245	5.045205					
558000	1.494366	4.441754					
559000	1.507642	5.046523					
560000	1.650605	4.825167					
561000	1.51498	5.181912					
562000	1.512591	5.038118					
563000	1.565464	5.372207					
564000	1.500671	5.033219					
565000	1.461807	5.029401					
566000	1.47439	4.448723					
567000	1.502417	5.04205					
568000	1.431424	5.051216					
569000	1.480931	5.153885					
570000	1.553053	4.538853					
571000	1.546348	5.034306					
572000	1.537975	4.995908					
573000	1.435897	4.947074					
574000	1.565951	5.073492					
575000	1.534859	5.20918					

576000	1.502001	4.967881						
577000	1.654637	5.037567						
578000	1.458274	5.406286						
579000	1.439019	5.035205						
580000	1.556098	5.036492						
581000	1.477925	5.437944						
582000	1.550986	4.304543						
583000	1.491831	5.084741						
584000	1.518121	4.996528						
585000	1.448083	5.063358						
586000	1.552798	5.041919						
587000	1.457374	5.037142						
588000	1.547615	5.046864						
589000	1.43641	4.283112						
590000	1.497032	4.945329						
591000	1.494857	5.036027						
592000	1.475164	4.241518						
593000	1.608445	4.334165						
594000	1.473099	5.270526						
595000	1.493672	5.200105						
596000	1.51116	5.161991						
597000	1.470358	5.032988						
598000	1.669373	5.448178						
599000	1.528736	5.039029						
600000	1.530487	5.104594						
601000	1.50963	5.073462						
602000	1.501562	5.043042						
603000	1.527378	5.038841						
604000	1.462141	5.037921						
605000	1.543038	4.888591						
606000	1.450374	5.043481						
607000	1.727754	5.241214						

608000	1.49484	4.825375					
609000	1.507202	5.062987					
610000	1.567056	5.114037					
611000	1.508146	5.150907					
612000	1.503816	5.010732					
613000	1.990986	4.977809					
614000	1.806442	5.263572					
615000	1.789337	5.045434					
616000	2.010169	4.75635					
617000	1.929255	4.96956					
618000	1.908294	4.697518					
619000	1.872906	4.685457					
620000	1.903197	5.076411					
621000	2.037693	5.090602					
622000	1.964638	5.034104					
623000	1.790359	4.945217					
624000	2.065281	5.036851					
625000	2.036751	5.120241					
626000	2.056229	5.05719					
627000	1.817152	4.93169					
628000	1.881528	5.179639					
629000	2.079854	5.036945					
630000	1.925175	4.943138					
631000	1.940711	4.532419					
632000	1.914576	5.052296					
633000	1.9083	5.03555					
634000	1.852109	5.257666					
635000	1.94529	5.048627					
636000	1.747438	5.030556					
637000	1.876207	5.322692					
638000	1.992895	5.045133					
639000	2.020912	5.111781					

640000	1.755274	5.017381					
641000	1.654169	4.885665					
642000	1.792129	5.042873					
643000	1.957758	4.691179					
644000	1.877016	4.796106					
645000	1.80261	5.037007					
646000	1.999359	4.527843					
647000	1.870122	5.045254					
648000	1.754881	5.068543					
649000	1.941995	4.827243					
650000	1.980136	4.391365					
651000	1.748858	4.882268					
652000	1.891652	5.179816					
653000	1.804969	5.061728					
654000	1.856242	4.974725					
655000	1.947168	5.00313					
656000	1.846115	5.176904					
657000	2.431379	5.04857					
658000	1.596732	4.994365					
659000	1.792242	4.313965					
660000	1.700884	5.527323					
661000	1.689887	4.968184					
662000	1.788182	4.894176					
663000	1.752921	5.19681					
664000	1.674452	4.961531					
665000	1.630697	4.956224					
666000	1.844062	5.182554					
667000	1.818442	4.893697					
668000	1.628963	5.084834					
669000	1.672458	4.907712					
670000	1.895065	4.845413					
671000	1.716763	5.13099					

672000	1.703552	4.94034						
673000	1.68087	5.263253						
674000	1.696194	4.756074						
675000	1.665651	5.126008						
676000	1.697834	5.148695						
677000	1.662186	4.840001						
678000	1.685562	5.041265						
679000	1.740769	5.164474						
680000	1.674409	5.055468						
681000	1.634807	4.934306						
682000	1.767468	4.938956						
683000	1.754888	4.931284						
684000	1.668943	5.274892						
685000	1.700352	4.894117						
686000	1.875095	4.907342						
687000	1.679292	5.171022						
688000	1.719317	4.491412						
689000	1.670671	4.911351						
690000	1.768118	4.957048						
691000	1.639402	5.01247						
692000	1.803819	4.329653						
693000	1.631447	4.978811						
694000	1.824521	4.911205						
695000	1.733096	4.555894						
696000	1.636255	5.167962						
697000	1.719116	4.974239						
698000	1.580794	5.098552						
699000	1.655723	4.949477						
700000	1.702905	5.155323						
701000	1.705868	4.932478						
702000	1.586638	4.997532						
703000	1.81336	5.228815						

704000	1.715198	5.074443						
705000	1.675958	4.878692						
706000	1.661197	4.767879						
707000	1.847057	5.102046						
708000	1.644349	4.866414						
709000	1.677085	5.234258						
710000	1.697171	5.010162						
711000	1.564092	4.909336						
712000	1.748451	4.955705						
713000	1.614724	5.424896						
714000	1.583605	4.969004						
715000	1.661044	4.98266						
716000	1.641304	5.268763						
717000	1.67027	4.954392						
718000	1.735338	5.046592						
719000	1.653926	5.128259						
720000	1.673244	4.91081						
721000	1.753357	5.017225						
722000	1.723425	5.02205						
723000	1.662539	4.879459						
724000	1.614226	5.014842						
725000	1.676997	5.053925						
726000	1.871101	4.735072						
727000	1.738212	4.901546						
728000	1.626778	5.371808						
729000	1.643948	4.984936						
730000	1.684397	4.994307						
731000	1.565491	5.077717						
732000	1.637702	4.914599						
733000	1.715064	4.255834						
734000	1.711537	5.535357						
735000	1.644718	5.018233						

736000	1.676741	4.975553						
737000	1.774999	4.932843						
738000	1.649328	4.961076						
739000	1.670433	5.151245						
740000	1.677815	5.038773						
741000	1.642567	5.066846						
742000	1.596835	5.000225						
743000	1.82128	4.494619						
744000	1.616531	5.048225						
745000	1.696626	5.147595						
746000	1.82179	5.059757						
747000	1.595816	4.87212						
748000	1.619413	5.080472						
749000	1.742543	4.966825						
750000	1.677643	4.974689						
751000	1.657705	5.186457						
752000	2.80213	5.226884						
753000	1.474998	5.389246						
754000	1.622396	4.986318						
755000	1.629482	4.772735						
756000	1.60303	4.96182						
757000	1.61666	4.996226						
758000	1.72904	4.955267						
759000	1.681963	5.005633						
760000	1.74387	4.914824						
761000	1.628841	4.51925						
762000	1.641981	5.128093						
763000	1.677711	4.954959						
764000	1.617529	5.068895						
765000	1.647378	4.995566						
766000	1.69513	5.112192						
767000	1.641213	4.976667						



768000	2.784994	3.954328						
769000	3.070276	4.750107						
770000	1.633496	4.818023						
771000	1.72421	4.969163						
772000	1.674102	5.018279						
773000	1.649578	4.946055						
774000	1.736532	4.87411						
775000	1.719186	4.963962						
776000	1.693994	4.979437						
777000	1.664354	4.958597						
778000	1.640577	4.9083						
779000	1.695983	4.993047						
780000	1.613263	4.973797						
781000	1.673345	4.895296						
782000	1.621762	4.620929						
783000	1.628745	4.969417						
784000	1.716208	4.948813						
785000	1.614227	4.997363						
786000	1.690697	4.914334						
787000	1.704628	4.958927						
788000	2.054888	4.862665						
789000	1.943728	4.965338						
790000	2.333511	4.835992						
791000	2.13607	5.25901						
792000	1.909007	4.862412						
793000	1.871562	4.987228						
794000	1.890019	4.966006						
795000	1.953149	5.126281						
796000	1.960016	4.79273						
797000	2.095037	5.024127						
798000	1.985714	5.105898						
799000	1.986338	4.98869						

800000	1.949593	4.925125					
801000	2.022674	4.982926					
802000	2.013245	4.18469					
803000	1.970667	4.898356					
804000	2.023624	5.039099					
805000	1.99497	5.213503					
806000	1.870586	4.814632					
807000	2.037234	5.053294					
808000	2.046198	4.868128					
809000	2.047003	4.941837					
810000	1.912889	5.039813					
811000	2.337984	4.344596					
812000	1.923417	4.905238					
813000	1.932716	4.991987					
814000	2.0792	4.928233					
815000	2.008133	4.983122					
816000	1.869883	5.070135					
817000	1.843362	4.853569					
818000	1.899813	5.135172					
819000	2.008837	5.393564					
820000	1.975937	4.914359					
821000	1.832672	5.010431					
822000	2.011678	4.941365					
823000	1.975913	5.026531					
824000	2.10318	4.916426					
825000	1.940998	4.995116					
826000	1.945218	5.177257					
827000	1.978035	5.447116					
828000	1.954819	5.089607					
829000	2.021436	4.978483					
830000	1.982292	4.964731					
831000	1.997649	5.007384					

832000	2.039513	4.851923						
833000	2.11007	4.592738						
834000	1.959331	5.028076						
835000	2.009566	5.241014						
836000	1.981153	4.677691						
837000	1.957168	5.148667						
838000	2.065162	4.704327						
839000	1.885478	5.007011						
840000	2.024645	4.96799						
841000	2.134287	4.948047						
842000	1.995467	4.998679						
843000	1.878349	4.97531						
844000	1.966044	4.345869						
845000	1.965417	5.205251						
846000	2.12632	4.88656						
847000	1.916114	5.275129						
848000	1.975071	5.149177						
849000	1.952528	4.794198						
850000	1.88984	4.977298						
851000	1.912652	4.968387						
852000	1.959675	5.031548						
853000	2.017868	4.973327						
854000	1.919708	4.871928						
855000	1.965308	4.498375						
856000	1.965356	5.273403						
857000	1.917556	5.170316						
858000	1.933948	5.19698						
859000	2.044813	4.221056						
860000	1.918528	5.139581						
861000	1.922703	4.915999						
862000	2.026531	4.949313						
863000	2.054326	4.976275						

864000	2.088312	4.999949						
865000	1.976963	5.158962						
866000	2.035332	4.978587						
867000	2.139994	4.897238						
868000	1.952752	5.116416						
869000	1.954134	5.295564						
870000	1.945255	5.001727						
871000	1.965937	5.294704						
872000	1.991715	5.328156						
873000	1.873037	5.01675						
874000	1.917011	4.947861						
875000	1.816358	4.833808						
876000	1.989445	4.162296						
877000	2.129985	4.908404						
878000	1.978453	4.976533						
879000	2.09292	5.255144						
880000	1.952394	4.904825						
881000	2.055396	4.97895						
882000	2.021143	5.27719						
883000	1.86542	4.970919						
884000	2.039679	4.905502						
885000	2.016106	5.056352						
886000	1.97862	4.99406						
887000	2.038022	4.959341						
888000	1.950536	4.986383						
889000	1.92521	4.695191						
890000	1.862	4.551854						
891000	1.908558	4.988657						
892000	1.83289	5.025731						
893000	1.873783	4.626681						
894000	2.149896	4.996615						
895000	1.991745	4.88146						

896000	2.018723	5.077722					
897000	2.297056	5.175641					
898000	1.907153	4.821409					
899000	1.90245	5.069094					
900000	2.006242	4.950983					
901000	2.028068	4.992423					
902000	1.97565	5.482388					
903000	1.91265	5.163443					
904000	1.956587	5.206684					
905000	2.066949	4.966648					
906000	1.932273	5.236016					
907000	1.974087	5.099734					
908000	1.881685	5.251074					
909000	1.970012	5.118008					
910000	2.107433	4.854967					
911000	1.851876	5.128078					
912000	1.943734	5.301223					
913000	1.953746	5.021779					
914000	1.884593	5.061853					
915000	1.834759	4.898733					
916000	1.87632	4.837007					
917000	1.939139	4.603309					
918000	1.891116	4.983998					
919000	2.017854	4.88728					
920000	1.64934	4.874183					
921000	1.763302	4.96778					
922000	1.795482	4.716409					
923000	1.82235	4.934187					
924000	1.818462	5.208366					
925000	1.74543	4.941024					
926000	1.779755	5.033741					
927000	1.639209	4.889278					

928000	1.734863	4.948867						
929000	1.932326	4.897064						
930000	1.740774	5.166521						
931000	1.774346	5.359578						
932000	1.757512	4.861178						
933000	1.832973	4.475281						
934000	1.725638	4.927526						
935000	1.771867	4.992505						
936000	1.917835	4.933186						
937000	1.729273	5.356313						
938000	1.84636	5.294807						
939000	2.153424	4.873337						
940000	1.741505	5.19578						
941000	1.711799	5.105119						
942000	1.753062	5.131198						
943000	1.883677	4.915456						
944000	1.824032	4.911334						
945000	1.78803	4.815772						
946000	1.772223	4.885253						
947000	1.764619	5.157443						
948000	1.784468	4.887655						
949000	1.86805	5.201494						
950000	1.827763	4.880052						
951000	1.869982	4.935849						
952000	2.022658	4.762197						
953000	1.75989	5.035665						
954000	1.783473	5.008794						
955000	1.752727	4.94879						
956000	1.81114	5.224637						
957000	1.719093	4.83519						
958000	1.815661	4.81529						
959000	1.868825	4.900748						

960000	1.768086	5.008042						
961000	1.873063	5.093659						
962000	2.401027	4.960106						
963000	2.121918	5.07326						
964000	2.08704	5.022883						
965000	2.061237	5.185376						
966000	2.158402	5.180411						
967000	2.042704	5.317037						
968000	2.168589	4.213051						
969000	2.0264	5.016778						
970000	2.113138	5.443258						
971000	2.037499	4.393055						
972000	2.222681	4.95141						
973000	2.205818	5.095961						
974000	2.081168	4.427261						
975000	2.261538	4.80218						
976000	2.071435	4.933573						
977000	2.169141	5.363239						
978000	2.059622	4.964977						
979000	2.224429	5.097861						
980000	2.255046	4.832111						
981000	2.058638	4.974936						
982000	2.257496	4.933591						
983000	2.080821	4.940945						
984000	2.291838	4.977127						
985000	2.01394	4.522609						
986000	2.001806	5.060057						
987000	1.879468	4.695283						
988000	2.127887	4.949542						
989000	2.053945	4.974836						
990000	2.023973	4.879618						
991000	2.045841	4.999212						

992000	2.070223	5.077338						
993000	2.114895	5.384824						
994000	2.036954	5.11602						
995000	2.186921	4.946059						
996000	2.060911	4.77727						
997000	2.043625	4.61772						
998000	2.161418	4.960821						
999000	2.129976	4.934297						
1000000	2.200734	4.585192						
1001000	2.060192	4.947534						
1002000	2.188954	5.213471						
1003000	2.319507	4.773196						
1004000	1.700583	4.851993						
1005000	1.891765	4.595431						
1006000	2.143785	4.966483						
1007000	2.01667	4.607768						
1008000	2.110175	5.293977						
1009000	2.051138	5.86539						
1010000	2.038006	4.966567						
1011000	2.021335	4.903543						
1012000	2.0154	5.117618						
1013000	2.093175	4.918799						
1014000	2.007068	4.950334						
1015000	2.147491	4.904637						
1016000	2.047074	4.518289						
1017000	2.061151	4.975773						
1018000	2.036332	4.962886						
1019000	2.179076	5.183166						
1020000	2.042876	4.459161						
1021000	2.104809	5.419875						
1022000	1.983028	4.945144						
1023000	2.16656	5.03105						



1024000	2.026024	4.390434						
1025000	2.008092	5.150098						
1026000	1.997729	5.043798						
1027000	2.059273	4.801294						
1028000	2.195761	4.897327						
1029000	1.99997	5.210132						
1030000	2.086745	4.57064						
1031000	1.915932	4.937526						
1032000	2.209166	4.742855						
1033000	1.997355	5.119004						
1034000	2.108867	5.167892						
1035000	1.917203	4.869084						
1036000	2.067076	5.223411						
1037000	1.968581	5.291062						
1038000	1.995122	5.078688						
1039000	1.980854	4.99656						
1040000	2.213355	4.90011						
1041000	2.140926	4.535148						
1042000	2.080719	5.19428						
1043000	2.073432	4.763685						
1044000	1.92259	5.011545						
1045000	2.202504	4.542183						
1046000	2.010288	5.351161						
1047000	2.08116	4.944992						
1048000	1.970923	4.974922						
1049000	2.208457	4.96113						
1050000	2.008604	5.133007						
1051000	2.092961	5.248969						
1052000	1.888914	5.083544						
1053000	2.035931	5.057305						
1054000	2.016419	4.798748						
1055000	2.011827	5.288671						

1056000	2.026415	4.807045						
1057000	1.918709	4.961085						
1058000	2.199018	4.847534						
1059000	1.883541	5.111039						
1060000	2.044055	5.160127						
1061000	1.959319	5.3631						
1062000	2.053711	4.492625						
1063000	1.910725	4.858766						
1064000	2.00771	4.93177						
1065000	2.011601	4.470826						
1066000	2.104438	5.040258						
1067000	3.017444	4.839101						
1068000	1.804714	5.115591						
1069000	2.012291	5.123332						
1070000	2.017272	5.612657						
1071000	1.971996	4.976396						
1072000	2.038445	5.010577						
1073000	1.944828	4.874464						
1074000	2.205167	4.961158						
1075000	1.823237	5.119087						
1076000	1.906281	5.275499						
1077000	1.875057	4.879294						
1078000	2.168156	4.961292						
1079000	2.188614	4.783301						
1080000	2.068168	5.082365						
1081000	1.97385	4.945375						
1082000	1.798853	5.135515						
1083000	2.117319	4.870829						
1084000	2.016233	4.625452						
1085000	2.149893	4.955305						
1086000	1.967936	4.874752						
1087000	1.832567	4.905172						

1088000	2.028256	5.14594						
1089000	2.112509	4.544936						
1090000	1.953913	4.873865						
1091000	2.106787	4.755438						
1092000	2.006079	4.930276						
1093000	2.015632	4.165761						
1094000	1.972988	4.961561						
1095000	2.052252	4.620471						
1096000	1.883545	4.792192						
1097000	2.069825	5.400906						
1098000	2.014269	4.896934						
1099000	2.079259	5.174836						
1100000	1.93794	5.185457						
1101000	2.008401	5.251174						
1102000	1.939495	4.927612						
1103000	1.982738	4.625985						
1104000	1.998944	4.871339						
1105000	1.938938	4.563245						
1106000	1.87528	4.833148						
1107000	1.940331	4.406726						
1108000	1.961073	4.963904						
1109000	2.105389	3.912233						
1110000	2.373441	5.015125						
1111000	1.876412	5.152877						
1112000	2.005054	5.629429						
1113000	1.935626	4.807304						
1114000	1.909628	5.608058						
1115000	2.089948	4.672916						
1116000	2.0263	5.437859						
1117000	2.172539	4.665061						
1118000	1.882909	3.012452						
1119000	2.010524	5.020375						

1120000	1.946697	4.632955						
1121000	2.058655	4.84367						
1122000	1.92186	5.049644						
1123000	2.025745	4.966074						
1124000	1.997581	5.18823						
1125000	1.993629	4.924077						
1126000	2.012168	5.240592						
1127000	2.31092	4.887227						
1128000	1.933377	5.23367						
1129000	1.796488	4.961354						
1130000	2.077819	5.154218						
1131000	1.922252	4.710649						
1132000	1.92976	5.295741						
1133000	1.963159	4.756594						
1134000	2.026671	5.419845						
1135000	1.811399	4.900119						
1136000	1.798874	4.023889						
1137000	2.304378	4.485397						
1138000	2.433383	4.845289						
1139000	2.343118	5.047843						
1140000	2.408088	5.348097						
1141000	2.210753	5.092545						
1142000	2.392221	5.070661						
1143000	2.292096	5.115206						
1144000	2.382331	5.330656						
1145000	2.182454	4.931303						
1146000	2.458297	5.479721						
1147000	2.234686	5.058945						
1148000	2.460295	5.511154						
1149000	2.351562	4.63984						
1150000	2.265962	5.303499						
1151000	2.226127	4.757716						

1152000	2.293396	5.289895						
1153000	2.186717	5.010871						
1154000	2.283395	4.941033						
1155000	2.173326	5.031329						
1156000	2.337253	5.362286						
1157000	2.247296	5.275352						
1158000	2.299258	5.277443						
1159000	2.356145	4.586889						
1160000	2.28936	5.342106						
1161000	2.290152	4.972474						
1162000	2.261448	5.535081						
1163000	2.275319	5.074201						
1164000	2.339343	5.372723						
1165000	2.095146	4.900988						
1166000	2.17073	4.076787						
1167000	2.289471	5.302897						
1168000	2.319238	4.791316						
1169000	2.311917	5.02891						
1170000	2.470431	5.229723						
1171000	2.254182	4.950237						
1172000	2.264602	5.457767						
1173000	2.239977	4.774363						
1174000	2.366649	5.251556						
1175000	2.297865	4.88238						
1176000	2.492155	4.741012						
1177000	2.280083	5.020355						
1178000	2.347405	4.656432						
1179000	2.283196	5.007777						
1180000	2.590258	4.898375						
1181000	2.425615	4.773909						
1182000	2.24989	4.898361						
1183000	2.211509	5.076029						

1184000	2.271923	4.423183						
1185000	2.071624	5.213863						
1186000	2.013921	4.844767						
1187000	2.17818	4.936665						
1188000	2.02911	4.831747						
1189000	2.161075	5.068064						
1190000	2.020782	4.957288						
1191000	2.15427	5.352832						
1192000	2.071357	4.885696						
1193000	2.157912	5.81333						
1194000	2.010121	4.800998						
1195000	2.429888	4.675635						
1196000	2.096452	5.032272						
1197000	2.280043	4.597494						
1198000	2.106478	4.705544						
1199000	2.178441	4.939372						
1200000	2.070631	5.049939						
1201000	2.187103	4.859713						
1202000	2.069752	5.056043						
1203000	1.967471	4.919004						
1204000	2.175102	5.350313						
1205000	2.12885	4.944622						
1206000	2.177675	5.128553						
1207000	2.101701	5.18905						
1208000	2.125875	4.87814						
1209000	2.101844	5.05501						
1210000	2.203788	4.653529						
1211000	2.023235	5.054776						
1212000	2.34264	4.422948						
1213000	2.125588	4.939742						
1214000	1.928472	4.935668						
1215000	2.093627	4.508255						

1216000	1.948173	4.876155						
1217000	2.028299	5.417755						
1218000	2.069239	4.584112						
1219000	2.13307	4.754984						
1220000	2.073228	5.074651						
1221000	2.228431	6.263646						
1222000	2.060218	4.527752						
1223000	1.9516	4.241707						
1224000	2.016473	4.943614						
1225000	2.225315	4.981461						
1226000	2.019167	5.558702						
1227000	2.099803	4.802315						
1228000	2.084116	4.982742						
1229000	1.968213	4.986244						
1230000	2.245001	4.439905						
1231000	2.037637	4.973206						
1232000	2.108691	4.874895						
1233000	2.084639	4.78707						
1234000	2.101925	4.864231						
1235000	2.072545	5.08704						
1236000	2.219155	4.929365						
1237000	2.044659	4.950695						
1238000	2.60578	4.974661						
1239000	2.076623	5.080797						
1240000	2.026594	4.844957						
1241000	2.229484	5.031309						
1242000	2.04688	5.072724						
1243000	2.165682	4.836813						
1244000	2.092707	4.916007						
1245000	2.222582	4.622152						
1246000	2.005826	5.032382						
1247000	2.219422	4.819878						

1248000	2.044527	5.303417						
1249000	2.00221	4.831908						
1250000	2.154083	4.92148						
1251000	2.044436	5.218946						
1252000	2.137884	4.365191						
1253000	2.05374	4.928488						
1254000	2.104075	4.952487						
1255000	2.036985	5.139949						
1256000	2.127401	5.052431						
1257000	2.033431	5.309743						
1258000	2.094116	4.943209						
1259000	2.072482	5.053624						
1260000	2.036245	5.197742						
1261000	2.143021	4.941424						
1262000	2.20129	4.857697						
1263000	2.197503	4.845993						
1264000	2.097022	5.007203						
1265000	1.934505	4.941461						
1266000	2.065058	4.69907						
1267000	1.992754	4.807917						
1268000	2.080731	4.660809						
1269000	2.028406	4.615409						
1270000	2.083839	4.965466						
1271000	1.994136	5.141546						
1272000	1.882497	4.630553						
1273000	2.100295	5.190008						
1274000	1.953065	4.940158						
1275000	2.038367	4.786463						
1276000	2.108902	4.877082						
1277000	2.169583	4.877227						
1278000	2.102838	4.945105						
1279000	1.952028	4.864961						



1280000	2.047042	5.359449						
1281000	2.480995	4.460115						
1282000	2.113308	5.245772						
1283000	1.990808	4.871594						
1284000	2.163145	4.917823						
1285000	1.962227	5.103553						
1286000	1.998033	4.934343						
1287000	2.088559	5.213181						
1288000	1.945676	5.136703						
1289000	1.950122	4.957724						
1290000	1.996294	5.010703						
1291000	2.153098	4.89677						
1292000	2.110812	4.677617						
1293000	1.9733	4.792083						
1294000	2.04096	4.627737						
1295000	2.047519	4.880634						
1296000	1.946277	4.697652						
1297000	1.984417	5.024741						
1298000	2.018502	4.800495						
1299000	2.011061	4.794173						
1300000	1.980482	4.57537						
1301000	1.912701	5.14509						
1302000	2.007003	5.025231						
1303000	2.119925	4.993218						
1304000	1.945588	5.2386						
1305000	1.951173	4.996031						
1306000	1.908083	5.137803						
1307000	1.994509	5.035682						
1308000	2.00339	4.993054						
1309000	2.006704	5.057789						
1310000	2.032259	4.856738						
1311000	1.911374	5.215999						

1312000	2.365237	6.715127						
1313000	2.164355	5.134454						
1314000	2.421338	5.607633						
1315000	2.29817	4.934736						
1316000	2.338321	5.002537						
1317000	2.356199	4.944022						
1318000	2.277599	4.604924						
1319000	2.342406	4.912734						
1320000	2.294976	4.801765						
1321000	2.434468	4.955312						
1322000	2.267464	4.862575						
1323000	2.387903	4.992908						
1324000	2.348853	4.915911						
1325000	2.420577	4.936004						
1326000	2.338094	5.045751						
1327000	2.175188	5.036104						
1328000	2.343678	5.260936						
1329000	2.323463	5.145927						
1330000	2.408027	4.469223						
1331000	2.312051	4.939586						
1332000	2.408147	4.916401						
1333000	2.300872	4.682972						
1334000	2.287657	4.85079						
1335000	2.257933	4.902453						
1336000	2.362129	4.968317						
1337000	2.54731	4.861611						
1338000	2.344562	5.046408						
1339000	2.340958	4.889446						
1340000	2.334509	5.197494						
1341000	2.358649	4.888282						
1342000	2.452596	4.867853						
1343000	2.298439	5.062833						

1344000	2.495886	4.722945						
1345000	2.305454	5.139196						
1346000	2.205978	4.61228						
1347000	2.318763	4.076717						
1348000	2.282562	5.05164						
1349000	2.296258	4.823708						
1350000	2.215	5.034685						
1351000	2.274143	4.834205						
1352000	2.298522	5.210643						
1353000	2.339638	4.919379						
1354000	2.398957	4.577437						
1355000	2.286246	5.058551						
1356000	2.337494	4.665756						
1357000	2.379302	5.010637						
1358000	2.202642	4.961492						
1359000	2.418286	5.073943						
1360000	2.320965	4.868053						
1361000	2.465172	4.860937						
1362000	2.385572	5.017592						
1363000	2.202924	5.108076						
1364000	2.314303	4.691098						
1365000	2.181772	5.012271						
1366000	2.330055	4.667864						
1367000	2.293243	5.184293						
1368000	2.286452	5.042162						
1369000	2.338944	5.195808						
1370000	2.273465	5.141419						
1371000	2.352822	4.93975						
1372000	2.343051	5.112759						
1373000	2.144341	4.81837						
1374000	2.301684	4.885338						
1375000	2.21152	5.044744						

1376000	2.428512	4.982023						
1377000	2.239258	5.112626						
1378000	2.310435	5.059153						
1379000	2.276707	5.239702						
1380000	2.275388	4.664178						
1381000	2.394788	4.99025						
1382000	2.221228	5.187637						
1383000	2.319632	4.923297						
1384000	2.256896	5.354984						
1385000	2.251178	4.777214						
1386000	2.341497	4.983026						
1387000	2.249684	4.830879						
1388000	2.33553	4.832811						
1389000	2.276442	4.987275						
1390000	2.291649	4.872341						
1391000	2.285512	4.875885						
1392000	2.323508	4.94696						
1393000	2.233588	4.956818						
1394000	2.273613	4.918643						
1395000	2.323125	4.928959						
1396000	2.390514	4.927289						
1397000	2.282845	5.05476						
1398000	2.125558	4.931233						
1399000	2.299064	4.951745						
1400000	2.286474	4.840553						
1401000	2.425726	5.01661						
1402000	2.118721	5.057309						
1403000	2.264799	4.905635						
1404000	2.405373	4.840605						
1405000	2.217322	4.904568						
1406000	2.453221	4.877447						
1407000	2.247346	5.182339						

1408000	2.227769	4.909805						
1409000	2.174582	4.605571						
1410000	2.253968	4.948561						
1411000	2.229572	4.847502						
1412000	2.337488	5.070732						
1413000	2.239026	4.976103						
1414000	2.399338	4.927589						
1415000	2.214181	5.104294						
1416000	2.260792	4.530634						
1417000	2.385955	4.964319						
1418000	2.253104	4.926127						
1419000	2.395167	4.887488						
1420000	2.166582	5.131054						
1421000	2.157943	4.832919						
1422000	2.352568	4.854699						
1423000	2.289243	4.895613						
1424000	2.327879	4.808147						
1425000	2.365495	5.100559						
1426000	2.189098	5.050915						
1427000	2.380439	4.902533						
1428000	2.263505	5.006289						
1429000	2.223198	4.822017						
1430000	2.231477	5.107299						
1431000	2.236586	4.836241						
1432000	2.434134	4.825822						
1433000	2.25153	5.191613						
1434000	2.200044	5.05855						
1435000	2.301995	4.933904						
1436000	2.074831	4.835403						
1437000	2.245175	4.435105						
1438000	2.28262	4.975628						
1439000	2.210917	4.916726						

1440000	2.322897	4.843007						
1441000	2.215818	4.928256						
1442000	2.202839	5.065899						
1443000	2.442671	4.373651						
1444000	2.150276	5.049348						
1445000	2.073837	4.541993						
1446000	2.191104	4.746464						
1447000	2.043018	5.112995						
1448000	2.041489	4.790913						
1449000	2.150485	4.915867						
1450000	2.063711	4.888029						
1451000	2.584695	4.766866						
1452000	2.02383	5.2685						
1453000	2.131431	4.827412						
1454000	2.178086	4.912217						
1455000	2.195264	5.027552						
1456000	2.00255	5.079762						
1457000	2.07021	4.870124						
1458000	2.041312	4.647432						
1459000	1.993482	4.911536						
1460000	2.143458	4.555219						
1461000	2.033898	5.026735						
1462000	2.097985	4.843792						
1463000	2.072074	5.077457						
1464000	2.065317	4.896668						
1465000	2.065721	5.121766						
1466000	2.073145	4.580403						
1467000	2.033155	5.14161						
1468000	2.169996	4.772031						
1469000	2.163778	4.905774						
1470000	1.935201	5.031479						
1471000	2.267351	4.739229						

1472000	2.004332	5.250063						
1473000	2.057976	4.933951						
1474000	2.027158	4.980407						
1475000	2.104389	5.077533						
1476000	2.029975	5.069919						
1477000	2.197883	5.056379						
1478000	2.02579	4.900462						
1479000	2.016681	4.582433						
1480000	2.203743	4.873373						
1481000	2.026155	5.043015						
1482000	1.989557	4.820968						
1483000	2.11293	4.528865						
1484000	2.183528	4.954375						
1485000	1.941876	4.918864						
1486000	2.505346	4.472946						
1487000	2.368855	4.887372						
1488000	2.377369	4.904468						
1489000	2.426042	4.90959						
1490000	2.330362	4.867427						
1491000	2.478618	4.839358						
1492000	2.296603	4.707939						
1493000	2.335811	5.004697						
1494000	2.376478	4.487224						
1495000	2.387732	5.192532						
1496000	2.275374	5.055616						
1497000	2.39371	4.835638						
1498000	2.393738	5.167149						
1499000	2.286166	4.961299						
1500000	2.487818	4.860912						
1501000	2.263036	5.037579						
1502000	2.288098	4.846169						
1503000	2.365114	4.395063						

1504000	2.374889	4.975593						
1505000	2.318978	4.837325						
1506000	2.492163	4.999721						
1507000	2.317561	4.889221						
1508000	2.308705	4.854071						
1509000	2.334597	5.250608						
1510000	2.320916	5.125012						
1511000	2.418358	5.033495						
1512000	2.26965	5.265335						
1513000	2.34419	4.899619						
1514000	2.364262	4.938161						
1515000	2.307388	5.092971						
1516000	2.232252	4.694131						
1517000	2.484056	4.895776						
1518000	2.389792	5.011954						
1519000	2.426556	4.85688						
1520000	2.421779	4.942596						
1521000	2.188766	5.16073						
1522000	2.255339	4.875924						
1523000	2.431934	5.004793						
1524000	2.361517	5.150153						
1525000	2.336833	4.913147						
1526000	2.399024	4.547594						
1527000	2.325224	4.881237						
1528000	2.194757	4.935454						
1529000	2.387386	4.698261						
1530000	2.273006	4.575995						
1531000	2.302102	4.891142						
1532000	2.390459	4.920922						
1533000	2.367312	4.997921						
1534000	2.414503	4.810408						
1535000	2.236361	5.136044						



1536000	2.281837	4.968224						
1537000	2.347129	4.581048						
1538000	2.42196	4.940344						
1539000	2.222215	4.95459						
1540000	2.286653	4.916442						
1541000	2.33159	4.925939						
1542000	2.281043	4.917384						
1543000	3.983597	5.190395						
1544000	2.5372	4.958638						
1545000	2.36244	4.858072						
1546000	2.371053	4.683231						
1547000	2.315657	4.926						
1548000	2.418714	4.834756						
1549000	2.365826	4.877954						
1550000	2.343163	5.008491						
1551000	2.336901	4.887907						
1552000	2.349729	5.000638						
1553000	2.30026	4.995906						
1554000	2.223681	4.533463						
1555000	2.272517	4.920361						
1556000	2.394826	4.785962						
1557000	2.333615	4.891849						
1558000	2.310334	4.7916						
1559000	2.351803	5.130046						
1560000	2.244685	5.243681						
1561000	2.350667	5.095739						
1562000	2.324444	4.335674						
1563000	2.338428	5.073815						
1564000	2.276565	4.754142						
1565000	2.343125	4.835188						
1566000	2.282002	5.112813						
1567000	2.192937	5.082638						

1568000	2.353144	4.966882						
1569000	2.348133	5.327246						
1570000	2.286319	4.378157						
1571000	2.672699	4.434267						
1572000	2.154773	5.023685						
1573000	2.273909	4.949732						
1574000	2.393185	4.861588						
1575000	2.341956	4.945748						
1576000	2.274617	4.972739						
1577000	2.374248	5.160943						
1578000	2.346998	4.5755						
1579000	2.360738	4.915094						
1580000	2.215207	4.848158						
1581000	2.365227	4.823409						
1582000	2.297286	4.674594						
1583000	2.31069	4.952146						
1584000	2.207178	4.811294						
1585000	2.256185	5.102236						
1586000	2.294532	5.131324						
1587000	2.216093	4.821131						
1588000	2.274725	4.548009						
1589000	2.289054	5.096682						
1590000	2.123783	4.904043						
1591000	2.415455	4.872094						
1592000	2.271459	5.229184						
1593000	2.153993	4.645933						
1594000	2.246102	5.036829						
1595000	2.286935	5.170334						
1596000	2.237671	4.992733						
1597000	2.158717	4.888018						
1598000	2.467592	4.913693						
1599000	2.274898	5.036155						

1600000	2.120364	5.149232						
1601000	2.37436	4.851218						
1602000	2.294684	4.691722						
1603000	2.261861	4.94394						
1604000	2.376666	4.915245						
1605000	2.417181	5.016361						
1606000	2.208234	5.24494						
1607000	2.180514	5.026914						
1608000	2.399892	4.611033						
1609000	2.186144	5.226526						
1610000	2.220032	4.544163						
1611000	2.360741	4.835394						
1612000	2.236801	4.857762						
1613000	2.194994	5.207491						
1614000	2.193218	4.911779						
1615000	2.361488	4.502457						
1616000	2.202022	5.296969						
1617000	2.21322	5.059678						
1618000	2.091893	5.093568						
1619000	2.353977	4.991752						
1620000	2.266305	5.177307						
1621000	2.127176	4.935989						
1622000	2.728118	4.358354						
1623000	2.238262	4.799612						
1624000	2.285236	4.929783						
1625000	2.328618	4.849594						
1626000	2.257994	5.187336						
1627000	2.241996	5.108089						
1628000	2.126039	4.937264						
1629000	2.261453	4.417351						
1630000	2.388272	5.105917						
1631000	2.229756	4.854132						

1632000	2.2688	4.907392						
1633000	2.315213	5.317181						
1634000	2.277113	4.940179						
1635000	2.190457	4.744455						
1636000	2.328534	4.83111						
1637000	2.358367	5.052489						
1638000	2.217612	5.095368						
1639000	2.086373	5.017911						
1640000	2.254062	5.24802						
1641000	2.313228	5.138646						
1642000	2.20843	4.893201						
1643000	2.334177	4.912371						
1644000	2.231821	4.69835						
1645000	2.247665	4.894044						
1646000	2.283538	4.873221						
1647000	2.40626	4.553778						
1648000	2.212301	5.231556						
1649000	2.212818	5.137084						
1650000	2.206248	4.780414						
1651000	2.191645	4.787871						
1652000	2.285256	5.027368						
1653000	2.132197	5.194554						
1654000	2.140197	4.933379						
1655000	2.228419	5.258258						
1656000	2.229092	5.133607						
1657000	2.104257	4.865414						
1658000	2.39168	4.812907						
1659000	2.259476	4.744937						
1660000	2.19759	5.225115						
1661000	2.70952	4.849901						
1662000	2.644712	4.652392						
1663000	2.544734	4.962314						

1664000	2.352939	4.987721						
1665000	2.58283	4.82257						
1666000	2.464392	4.897483						
1667000	2.531274	5.030691						
1668000	2.455648	4.861101						
1669000	2.528487	4.395016						
1670000	2.45557	4.731303						
1671000	2.46301	5.077618						
1672000	2.668498	4.974348						
1673000	2.401091	4.652001						
1674000	2.581831	5.136961						
1675000	2.706798	4.912384						
1676000	2.518373	4.76679						
1677000	2.551128	5.229339						
1678000	2.552203	4.840711						
1679000	2.714928	4.896792						
1680000	2.706081	4.928577						
1681000	2.542893	5.148107						
1682000	2.344745	5.095061						
1683000	2.590396	4.46796						
1684000	2.566149	5.269205						
1685000	2.596045	4.913153						
1686000	2.570957	4.832429						
1687000	2.470079	5.309931						
1688000	2.556769	5.34111						
1689000	2.476822	5.028775						
1690000	2.60268	4.897026						
1691000	2.492715	4.707882						
1692000	2.458796	5.043999						
1693000	2.640815	4.95117						
1694000	2.513406	4.484981						
1695000	2.584156	2.482357						

1696000	2.486432	5.024958						
1697000	2.516878	4.876917						
1698000	2.468086	4.976635						
1699000	2.517162	4.90285						
1700000	2.35948	5.110672						
1701000	2.577427	4.296736						
1702000	2.512496	4.940695						
1703000	2.432981	5.193485						
1704000	2.413596	4.957312						
1705000	2.75148	4.639452						
1706000	2.357104	4.58958						
1707000	2.375223	5.098046						
1708000	2.505182	4.94048						
1709000	2.46946	4.648602						
1710000	2.388694	4.662242						
1711000	2.304028	5.055665						
1712000	2.500794	4.93108						
1713000	2.423866	4.46054						
1714000	2.450035	5.004779						
1715000	2.334895	5.015834						
1716000	2.405898	5.018293						
1717000	2.385144	4.995801						
1718000	2.348621	4.950555						
1719000	2.334027	4.616604						
1720000	2.419859	5.018795						
1721000	2.493222	4.929754						
1722000	2.358441	4.98636						
1723000	2.33266	4.888039						
1724000	2.255454	5.069709						
1725000	2.343782	4.909458						
1726000	2.322492	5.031085						
1727000	2.35567	4.885786						

1728000	2.400942	4.733606						
1729000	2.274811	5.152781						
1730000	2.278256	5.135249						
1731000	2.339028	5.142301						
1732000	2.399249	4.812981						
1733000	2.259022	4.682377						
1734000	2.427304	4.911266						
1735000	2.355132	4.797155						
1736000	2.42043	4.846386						
1737000	2.340894	4.76864						
1738000	2.292495	5.302632						
1739000	2.335003	4.846155						
1740000	2.387468	4.923002						
1741000	2.333071	4.922159						
1742000	2.374158	5.041925						
1743000	2.322086	4.627798						
1744000	2.284233	4.870209						
1745000	2.376535	4.894811						
1746000	2.252426	5.143075						
1747000	2.33685	4.794815						
1748000	2.320253	4.979747						
1749000	2.364397	4.694387						
1750000	2.314266	5.109846						
1751000	2.355146	4.900174						
1752000	2.344996	4.789436						
1753000	2.332026	4.648865						
1754000	2.270297	4.627595						
1755000	2.29011	5.026415						
1756000	2.267778	4.900905						
1757000	2.34392	4.784365						
1758000	2.254955	4.774215						
1759000	2.210951	4.736718						

1760000	2.269268	5.198358						
1761000	2.18953	4.968136						
1762000	2.272617	4.784351						
1763000	2.345111	5.055719						
1764000	2.272703	4.65778						
1765000	2.349974	5.017861						
1766000	2.374962	4.584868						
1767000	2.367541	4.63283						
1768000	2.24217	4.973131						
1769000	2.397349	5.110834						
1770000	2.329368	4.821713						
1771000	2.21972	4.944068						
1772000	2.234469	5.022699						
1773000	2.191069	5.147966						
1774000	2.379082	4.809433						
1775000	2.419082	5.069666						
1776000	2.197119	5.259618						
1777000	2.220348	4.684775						
1778000	2.353389	4.931647						
1779000	2.35581	4.763112						
1780000	2.431853	4.972173						
1781000	2.253965	4.989099						
1782000	2.265614	4.913318						
1783000	2.25096	5.003723						
1784000	2.249749	4.715091						
1785000	2.292255	5.222551						
1786000	2.293452	4.824404						
1787000	2.339541	4.840736						
1788000	2.374997	5.000395						
1789000	2.343132	5.034189						
1790000	2.189863	4.589085						
1791000	2.152473	5.242581						



1792000	2.34155	4.864703						
1793000	2.726078	5.212608						
1794000	2.240769	5.30227						
1795000	2.285456	4.843561						
1796000	2.29474	4.859887						
1797000	2.307077	4.613823						
1798000	2.166698	5.093612						
1799000	2.311797	4.59837						
1800000	2.266449	5.112198						
1801000	2.272284	4.87027						
1802000	2.293229	4.691764						
1803000	2.33256	5.160369						
1804000	2.268719	4.994672						
1805000	2.147464	4.488267						
1806000	2.335235	4.78787						
1807000	2.419738	5.247813						
1808000	2.269817	5.076104						
1809000	2.265062	4.610162						
1810000	2.363772	4.875722						
1811000	2.333739	4.922537						
1812000	2.256224	4.863607						
1813000	2.253404	4.894693						
1814000	2.17656	4.706923						
1815000	2.302708	5.264363						
1816000	2.422346	4.922939						
1817000	2.294249	5.055936						
1818000	2.250092	4.728924						
1819000	2.170779	4.857002						
1820000	2.347093	4.664743						
1821000	2.234214	4.530787						
1822000	2.23228	5.009511						
1823000	2.284122	4.879127						

1824000	2.141654	5.146027						
1825000	2.249883	4.853829						
1826000	2.35367	4.844008						
1827000	2.342514	5.062158						
1828000	2.222623	6.272564						
1829000	2.906679	4.833318						
1830000	2.230052	5.93753						
1831000	2.096556	4.823944						
1832000	2.263261	4.967658						
1833000	2.252365	4.848426						
1834000	2.288848	4.92692						
1835000	2.533062	4.953985						
1836000	2.189648	4.720094						
1837000	2.597735	4.823618						
1838000	2.585371	4.94492						
1839000	2.753071	4.837888						
1840000	2.520931	5.1583						
1841000	2.482126	5.075911						
1842000	2.670829	4.888406						
1843000	2.634728	5.066402						
1844000	2.561864	4.966072						
1845000	2.52054	5.020432						
1846000	2.587394	4.892651						
1847000	2.502176	4.400301						
1848000	2.470269	4.683388						
1849000	2.515128	4.660833						
1850000	2.485251	5.079695						
1851000	2.488228	4.996202						
1852000	2.618684	4.887045						
1853000	2.72985	4.820585						
1854000	2.475625	5.038702						
1855000	2.569395	4.838074						

1856000	2.527049	4.804648						
1857000	2.457399	4.939388						
1858000	2.494173	5.138934						
1859000	2.54358	4.910255						
1860000	2.608463	4.946663						
1861000	2.555195	4.934057						
1862000	2.653614	4.975846						
1863000	2.53461	4.915016						
1864000	2.401108	4.655546						
1865000	2.512228	4.62973						
1866000	2.726482	4.904544						
1867000	2.466571	4.78107						
1868000	2.601158	4.854918						
1869000	2.44174	5.003977						
1870000	2.526679	4.979227						
1871000	2.552311	4.87106						
1872000	2.730224	4.862727						
1873000	2.482194	4.987715						
1874000	2.379365	5.096319						
1875000	2.395988	4.796672						
1876000	2.546813	4.714402						
1877000	2.494712	5.061078						
1878000	2.370275	4.758236						
1879000	2.409577	4.859651						
1880000	2.541101	4.943501						
1881000	2.511811	4.696741						
1882000	2.569711	4.783846						
1883000	2.481716	5.135919						
1884000	2.540967	4.764266						
1885000	2.519844	4.816602						
1886000	2.490503	4.381478						
1887000	2.564658	5.033847						

1888000	2.491714	5.053645						
1889000	2.390982	4.940684						
1890000	2.57381	5.065413						
1891000	2.421233	4.776668						
1892000	2.448562	5.168838						
1893000	2.474771	5.130689						
1894000	2.530952	4.839463						
1895000	2.460117	4.939679						
1896000	2.599284	4.886927						
1897000	2.602361	4.900528						
1898000	2.501534	4.921117						
1899000	2.434973	4.815167						
1900000	2.492315	4.841645						
1901000	2.51786	5.077307						
1902000	2.465062	5.117178						
1903000	2.523025	4.998001						
1904000	2.442812	5.066079						
1905000	2.424622	5.037803						
1906000	2.597477	4.746591						
1907000	2.590522	4.825343						
1908000	2.495105	4.956097						
1909000	2.489427	4.684558						
1910000	2.475616	4.759074						
1911000	2.466337	4.776921						
1912000	2.506358	4.91946						
1913000	2.499299	4.837637						
1914000	2.410821	4.753072						
1915000	2.336865	4.730182						
1916000	2.384534	4.61861						
1917000	2.544775	4.826376						
1918000	2.481067	4.656802						
1919000	2.533682	5.054308						

1920000	2.510542	4.920912						
1921000	2.230549	5.144398						
1922000	2.581826	4.900611						
1923000	2.586519	4.89621						
1924000	2.539987	5.255175						
1925000	2.46088	4.983062						
1926000	2.47146	5.008053						
1927000	2.49587	5.244253						
1928000	2.506768	4.698941						
1929000	2.533033	4.936139						
1930000	2.469235	4.987928						
1931000	2.469931	5.047947						
1932000	2.443797	5.002607						
1933000	2.412972	4.769568						
1934000	2.550971	4.801348						
1935000	2.376849	4.752944						
1936000	2.466325	5.032969						
1937000	2.438719	4.864231						
1938000	2.650757	4.36336						
1939000	2.364289	4.476064						
1940000	2.41093	4.757006						
1941000	2.398053	4.900638						
1942000	2.533453	4.977185						
1943000	2.446299	4.668619						
1944000	2.345265	5.050184						
1945000	2.511559	4.461601						
1946000	2.497948	5.083567						
1947000	2.462574	5.218843						
1948000	2.397248	4.751171						
1949000	2.561935	4.766738						
1950000	2.47564	4.509977						
1951000	2.456315	4.914125						

1952000	2.343062	5.201024						
1953000	2.483757	5.017913						
1954000	2.341881	4.885901						
1955000	2.459009	4.636924						
1956000	2.498651	4.835347						
1957000	2.355522	6.378395						
1958000	2.309194	4.891495						
1959000	2.385241	4.746851						
1960000	2.424186	4.711333						
1961000	2.32589	4.956866						
1962000	2.476917	4.848228						
1963000	2.70287	4.752701						
1964000	2.427216	4.957077						
1965000	2.394069	4.867925						
1966000	2.463599	5.096087						
1967000	2.427411	5.137281						
1968000	2.568632	4.936461						
1969000	2.272183	4.949119						
1970000	2.39674	5.076533						
1971000	2.350578	4.828364						
1972000	2.370876	4.9085						
1973000	2.285602	5.164046						
1974000	2.275441	5.040234						
1975000	2.316291	5.091979						
1976000	2.276593	4.91372						
1977000	2.440751	4.973703						
1978000	2.255541	5.051064						
1979000	2.362505	4.875223						
1980000	2.372592	5.213275						
1981000	2.253069	4.686606						
1982000	2.222437	5.086535						
1983000	2.27699	4.808215						

1984000	2.187888	4.742689						
1985000	2.239466	4.844183						
1986000	2.359781	4.926112						
1987000	2.375818	4.688977						
1988000	2.372809	4.892062						
1989000	2.296127	5.125008						
1990000	2.366869	4.705265						
1991000	2.206772	5.025766						
1992000	2.312171	4.912348						
1993000	2.330524	4.913532						
1994000	2.350484	4.993122						
1995000	2.132475	4.38721						
1996000	2.237425	4.679822						
1997000	2.324851	4.899466						
1998000	2.403582	5.001479						
1999000	2.256954	4.983536						
2000000	2.259886	4.975489						
2001000	2.354968	4.741892						
2002000	2.236669	4.928699						
2003000	2.398266	4.852295						
2004000	2.296964	5.202568						
2005000	2.307289	5.185549						
2006000	2.713517	4.636518						
2007000	2.193601	4.387015						
2008000	2.173511	4.511762						
2009000	2.3021	5.183812						
2010000	2.410425	4.684961						
2011000	2.747619	4.647524						
2012000	2.660947	4.863555						
2013000	2.552534	5.205433						
2014000	2.540483	5.069365						
2015000	2.528655	4.865152						

2016000	2.56556	4.98349						
2017000	2.689844	4.836176						
2018000	2.610961	4.710492						
2019000	2.623565	4.872844						
2020000	2.570917	4.975803						
2021000	2.499402	5.229902						
2022000	2.480823	4.940719						
2023000	2.501481	4.84896						
2024000	2.595796	4.845144						
2025000	2.595034	4.917884						
2026000	2.560127	4.676823						
2027000	2.575235	5.02043						
2028000	2.538786	5.047628						
2029000	2.593062	4.74158						
2030000	2.359823	4.894485						
2031000	2.62738	4.917331						
2032000	2.6615	4.939143						
2033000	2.524093	4.808292						
2034000	2.58156	5.240348						
2035000	2.507682	4.696129						
2036000	2.423623	4.756327						
2037000	2.411217	4.93127						
2038000	2.406309	4.684845						
2039000	2.541044	4.955362						
2040000	2.517572	4.907996						
2041000	2.499384	4.953563						
2042000	2.456199	5.085023						
2043000	2.488926	4.992527						
2044000	2.522052	5.028681						
2045000	2.404584	4.858205						
2046000	2.606749	4.989146						
2047000	2.517954	5.001251						



2048000	2.626533	4.842786					
2049000	2.446098	4.868413					
2050000	2.41705	4.691882					
2051000	2.424962	5.070593					
2052000	2.473027	5.025676					
2053000	2.382496	5.076839					
2054000	2.51208	4.827195					
2055000	2.611014	4.939579					
2056000	2.560939	4.894905					
2057000	2.54814	4.505884					
2058000	2.39403	5.027355					
2059000	2.48529	5.156476					
2060000	2.450272	5.133598					
2061000	2.408752	4.683151					
2062000	2.487596	4.857174					
2063000	2.458251	5.182023					
2064000	2.796545	4.919168					
2065000	2.398537	5.025771					
2066000	2.449195	4.842038					
2067000	3.271523	5.14145					
2068000	2.771525	4.837677					
2069000	2.578727	4.594374					
2070000	2.512398	4.859587					
2071000	2.438981	4.989246					
2072000	2.493637	5.009082					
2073000	2.580988	5.156238					
2074000	2.430751	4.931886					
2075000	2.491901	4.835406					
2076000	2.478409	4.941628					
2077000	2.450703	5.058196					
2078000	2.500426	4.806135					
2079000	2.749501	4.741085					

2080000	2.627508	5.133111						
2081000	2.544085	4.725594						
2082000	2.473645	4.864552						
2083000	2.486868	4.88783						
2084000	2.514628	5.349952						
2085000	2.470411	4.993664						
2086000	2.372654	4.982769						
2087000	2.470264	5.179861						
2088000	2.492517	4.688339						
2089000	2.745838	4.828289						
2090000	2.605675	4.904641						
2091000	2.545185	4.746119						
2092000	2.491586	4.811152						
2093000	2.511389	5.051262						
2094000	2.620947	5.060151						
2095000	2.428864	5.225945						
2096000	2.284962	4.77071						
2097000	2.443596	4.915303						
2098000	2.427445	5.017752						
2099000	2.690539	4.804025						
2100000	2.62999	4.737967						
2101000	2.590303	4.591553						
2102000	2.541146	4.788006						
2103000	2.483729	4.818724						
2104000	2.478434	5.125965						
2105000	2.472772	4.817339						
2106000	2.264728	5.195849						
2107000	2.344146	4.884744						
2108000	2.544899	4.97228						
2109000	2.491062	4.890073						
2110000	2.612353	5.048929						
2111000	3.028511	2.722127						

2112000	2.461494	4.807125					
2113000	2.490448	4.924317					
2114000	2.513301	4.835197					
2115000	2.509751	4.945442					
2116000	2.419214	4.798889					
2117000	2.494614	5.071736					
2118000	2.458374	5.030643					
2119000	2.419321	5.031572					
2120000	2.421758	4.847502					
2121000	2.30904	5.103956					
2122000	2.375865	4.696694					
2123000	2.459649	4.986092					
2124000	2.54728	4.866801					
2125000	2.54526	4.940233					
2126000	2.510359	4.861973					
2127000	2.211252	4.772544					
2128000	2.413229	5.042569					
2129000	2.431154	5.07342					
2130000	2.382018	4.939046					
2131000	2.394222	4.653405					
2132000	2.47349	5.097567					
2133000	2.334968	4.856988					
2134000	2.739849	4.476324					
2135000	2.482887	4.998521					
2136000	2.515025	5.033335					
2137000	2.472404	4.840858					
2138000	2.521215	4.756504					
2139000	2.424232	4.956733					
2140000	2.470117	5.026739					
2141000	2.453842	4.919128					
2142000	2.390693	5.158788					
2143000	2.494032	4.784542					

2144000	2.39187	5.028492						
2145000	2.351851	4.980476						
2146000	2.295466	4.996949						
2147000	2.606836	4.820958						
2148000	2.336385	4.757034						
2149000	2.456329	4.858528						
2150000	2.428635	4.920559						
2151000	2.471535	4.88892						
2152000	2.356488	4.46823						
2153000	2.400501	4.984589						
2154000	2.414587	4.910567						
2155000	2.460731	4.92414						
2156000	2.444162	4.991312						
2157000	2.288721	4.935119						
2158000	2.382706	4.889078						
2159000	2.362736	4.670977						
2160000	2.40864	5.026404						
2161000	2.517582	5.032782						
2162000	2.369793	4.82357						
2163000	2.447486	4.898006						
2164000	2.498119	4.919118						
2165000	2.402048	4.844545						
2166000	2.377948	4.92842						
2167000	2.381532	4.843986						
2168000	2.363743	5.035086						
2169000	2.383983	5.048064						
2170000	2.40559	5.175779						
2171000	2.423346	4.872402						
2172000	2.294621	4.928697						
2173000	2.340941	4.930588						
2174000	2.352862	4.769406						
2175000	2.53356	4.585908						

2176000	2.376626	4.920983						
2177000	2.641563	4.998401						
2178000	2.395435	4.889321						
2179000	2.373687	4.989264						
2180000	2.403068	4.77427						
2181000	2.40701	4.885097						
2182000	2.454195	4.931554						
2183000	2.417967	5.178179						
2184000	2.380147	4.923076						
2185000	2.430334	4.904762						
2186000	2.611554	5.09872						
2187000	2.718008	4.980194						
2188000	2.578559	5.165331						
2189000	2.575696	4.974019						
2190000	2.6756	5.031476						
2191000	2.757414	4.745533						
2192000	2.64622	4.837344						
2193000	2.808033	4.844825						
2194000	2.728	4.827271						
2195000	3.327576	4.946497						
2196000	2.689387	4.787014						
2197000	2.692064	4.828288						
2198000	2.718359	4.892677						
2199000	2.757202	4.952783						
2200000	2.692928	4.83287						
2201000	2.695576	5.150618						
2202000	2.771171	4.724368						
2203000	2.680345	4.921337						
2204000	2.625599	4.954803						
2205000	2.622831	4.700064						
2206000	2.633158	4.646474						
2207000	2.730151	5.010736						

2208000	2.646339	5.170556						
2209000	2.693375	4.695686						
2210000	2.606505	4.847859						
2211000	2.630478	5.041875						
2212000	2.533472	5.020829						
2213000	2.575601	5.02004						
2214000	2.525301	4.787852						
2215000	2.769395	4.829019						
2216000	2.721119	4.939966						
2217000	2.70531	4.93999						
2218000	2.726644	4.836098						
2219000	2.535425	4.819605						
2220000	2.652417	5.102107						
2221000	2.654188	4.665684						
2222000	2.718392	4.968286						
2223000	2.631532	4.9606						
2224000	2.685439	4.959214						
2225000	2.66813	5.17905						
2226000	2.661382	5.117842						
2227000	2.589138	4.751234						
2228000	2.654134	5.055752						
2229000	2.615574	4.933612						
2230000	2.7565	4.942964						
2231000	2.644953	4.548321						
2232000	2.520596	5.083406						
2233000	2.610053	4.872291						
2234000	2.567676	4.990665						
2235000	2.836976	4.730869						
2236000	2.161673	4.80549						
2237000	2.557847	4.910143						
2238000	2.559656	4.882997						
2239000	2.577105	4.939223						

2240000	2.481795	4.807588						
2241000	2.530486	4.94303						
2242000	2.45636	4.866413						
2243000	2.50519	4.931231						
2244000	2.482177	4.924846						
2245000	2.473903	5.017811						
2246000	2.509339	4.845203						
2247000	2.590944	4.998986						
2248000	2.547782	5.10367						
2249000	2.581861	5.158481						
2250000	2.47363	4.719721						
2251000	2.582707	4.954901						
2252000	2.509725	4.448167						
2253000	2.399869	4.739728						
2254000	2.534575	5.291422						
2255000	2.573411	5.160798						
2256000	2.461717	4.638353						
2257000	2.40467	4.931014						
2258000	2.536098	4.837364						
2259000	2.372356	4.636062						
2260000	2.503988	4.996971						
2261000	2.393301	4.777976						
2262000	2.449713	4.636061						
2263000	2.51109	4.833036						
2264000	2.502945	5.175095						
2265000	2.668346	4.945053						
2266000	2.439958	5.148157						
2267000	2.491399	5.049763						
2268000	2.386481	4.80818						
2269000	2.320508	4.935125						
2270000	2.470008	5.096572						
2271000	2.43865	4.799443						

2272000	2.416445	5.068493						
2273000	2.298562	4.859351						
2274000	2.360484	4.805881						
2275000	2.457153	5.07117						
2276000	2.543483	4.890376						
2277000	2.482747	4.985123						
2278000	2.455442	4.971055						
2279000	2.43805	4.940849						
2280000	2.609455	4.677425						
2281000	2.513222	5.041219						
2282000	2.594828	4.802574						
2283000	2.528815	4.963229						
2284000	2.473279	5.082161						
2285000	2.538168	4.668656						
2286000	2.50384	4.991994						
2287000	2.577922	4.953777						
2288000	2.425956	4.925529						
2289000	2.436666	4.954404						
2290000	2.557759	4.739085						
2291000	2.52987	4.872464						
2292000	2.511653	5.073275						
2293000	2.395161	4.680473						
2294000	2.416079	4.849617						
2295000	2.51972	4.64618						
2296000	2.374011	5.047521						
2297000	2.489312	4.989861						
2298000	2.575703	4.700505						
2299000	2.367329	4.877528						
2300000	2.397259	4.84484						
2301000	2.483308	4.824721						
2302000	2.477328	4.999255						
2303000	2.432801	4.753154						



2304000	2.404673	4.770296						
2305000	2.792136	4.727873						
2306000	2.396737	4.816309						
2307000	2.390831	4.962977						
2308000	2.425628	4.94051						
2309000	2.512029	4.954493						
2310000	2.52056	4.689627						
2311000	2.383098	4.798726						
2312000	2.422094	4.845931						
2313000	2.520313	4.929303						
2314000	2.453552	5.024625						
2315000	2.52401	5.012235						
2316000	2.53259	4.961492						
2317000	2.406166	4.882029						
2318000	2.539603	4.725845						
2319000	2.42891	4.574076						
2320000	2.396866	4.991966						
2321000	2.546165	4.850934						
2322000	2.35883	4.693196						
2323000	2.475434	4.813147						
2324000	2.481834	4.700945						
2325000	2.458997	4.774452						
2326000	2.467794	4.629688						
2327000	2.375518	5.004657						
2328000	2.404012	5.079762						
2329000	2.419972	4.821368						
2330000	2.466452	5.086096						
2331000	2.389628	5.102739						
2332000	2.316632	5.01167						
2333000	2.452087	5.126146						
2334000	2.350725	4.83214						
2335000	2.32643	5.274561						

2336000	2.347118	4.757424						
2337000	2.323044	4.992781						
2338000	2.38533	4.661239						
2339000	2.265147	5.047533						
2340000	2.425166	4.959456						
2341000	2.389632	4.889984						
2342000	2.42723	4.968457						
2343000	2.43271	5.07527						
2344000	2.357533	4.96161						
2345000	2.418777	5.147915						
2346000	2.412282	5.254747						
2347000	2.642209	4.85805						
2348000	2.324743	4.92782						
2349000	2.413272	4.987127						
2350000	2.459234	5.025531						
2351000	2.409577	5.037414						
2352000	2.363139	5.09234						
2353000	2.388942	5.166266						
2354000	2.398694	5.27456						
2355000	2.291217	4.802773						
2356000	2.464165	5.11631						
2357000	2.480946	5.10075						
2358000	2.396214	4.795106						
2359000	2.489133	4.666975						
2360000	2.384243	4.760172						
2361000	2.697863	4.512579						
2362000	2.626802	4.484991						
2363000	2.940144	4.818278						
2364000	2.722995	4.732654						
2365000	2.647803	4.552739						
2366000	2.76101	4.608693						
2367000	2.760977	4.615017						

2368000	2.634578	4.895136						
2369000	2.699313	5.108187						
2370000	2.602406	4.760715						
2371000	2.606364	4.880703						
2372000	2.715146	4.669773						
2373000	2.664697	4.733833						
2374000	2.694765	4.857551						
2375000	2.771653	4.636499						
2376000	2.682919	5.059181						
2377000	2.640474	4.93804						
2378000	2.665602	4.90912						
2379000	2.728934	4.840608						
2380000	2.766655	4.640635						
2381000	2.706371	4.914685						
2382000	2.694457	4.891999						
2383000	2.647665	4.80673						
2384000	2.733856	5.134973						
2385000	2.58009	4.56365						
2386000	2.670375	4.787833						
2387000	2.655816	4.812533						
2388000	2.639404	4.775978						
2389000	2.739714	4.914129						
2390000	2.842808	4.597493						
2391000	2.675987	4.952311						
2392000	2.767326	4.821085						
2393000	2.63565	4.838304						
2394000	2.677496	4.912473						
2395000	2.747438	4.87055						
2396000	2.678151	4.859206						
2397000	2.624592	4.975265						
2398000	2.656545	4.782767						
2399000	2.706505	7.286436						

2400000	2.2678	4.340161					
2401000	2.577299	5.679396					
2402000	2.566058	4.893967					
2403000	2.705913	4.898809					
2404000	2.657965	4.9314					
2405000	2.583555	4.901772					
2406000	2.518137	4.883412					
2407000	2.553206	5.03979					
2408000	2.60589	5.055052					
2409000	2.644271	4.619379					
2410000	2.63031	5.111345					
2411000	2.611577	4.7791					
2412000	2.596426	4.759138					
2413000	2.429326	4.977874					
2414000	2.657106	5.012934					
2415000	2.598965	4.861841					
2416000	2.571105	5.002733					
2417000	2.649781	5.037388					
2418000	2.660699	4.702753					
2419000	2.60445	5.008757					
2420000	2.650392	5.186342					
2421000	2.623595	5.009567					
2422000	2.634246	5.16235					
2423000	2.579597	5.083226					
2424000	2.588977	4.946221					
2425000	2.688396	4.866103					
2426000	2.688348	4.637421					
2427000	2.728663	4.829818					
2428000	2.68507	4.84208					
2429000	2.651996	4.925464					
2430000	2.597993	4.997772					
2431000	2.656414	5.097184					

2432000	2.563172	4.785357						
2433000	2.559767	4.898751						
2434000	2.597094	5.064638						
2435000	2.674642	5.038345						
2436000	2.633637	5.103541						
2437000	2.742749	4.944187						
2438000	2.705095	5.045858						
2439000	2.574209	5.074788						
2440000	2.581519	4.843295						
2441000	2.548923	4.889392						
2442000	2.607812	4.828781						
2443000	2.490044	5.124379						
2444000	2.614878	4.838984						
2445000	2.565359	5.079936						
2446000	2.613099	5.067021						
2447000	2.59498	4.978958						
2448000	2.60525	4.978844						
2449000	2.514475	4.925092						
2450000	2.695754	5.099808						
2451000	2.535795	4.943716						
2452000	2.678439	4.923086						
2453000	2.550082	4.75961						
2454000	2.537338	4.605818						
2455000	2.684736	4.70341						
2456000	2.64634	4.986034						
2457000	2.635633	4.87627						
2458000	2.625396	4.893539						
2459000	2.596731	4.843619						
2460000	2.651197	4.903859						
2461000	2.685748	4.657126						
2462000	2.62541	5.046143						
2463000	2.607887	4.697088						

2464000	2.568041	5.135847						
2465000	2.610948	4.865411						
2466000	2.457058	4.950266						
2467000	2.577235	4.858877						
2468000	2.50485	5.021963						
2469000	2.553131	4.792685						
2470000	2.599678	5.007171						
2471000	2.401984	5.021543						
2472000	2.541968	5.253952						
2473000	2.631766	4.895135						
2474000	2.652442	4.934537						
2475000	2.781218	4.588701						
2476000	2.643877	5.013794						
2477000	2.603767	4.826842						
2478000	2.698327	4.787606						
2479000	2.523927	4.725657						
2480000	2.679366	4.89191						
2481000	2.559592	4.801933						
2482000	2.63713	5.014338						
2483000	2.615803	5.018055						
2484000	2.522188	5.03535						
2485000	2.460197	4.918318						
2486000	2.502172	4.701143						
2487000	2.572996	5.119684						
2488000	2.550762	4.978759						
2489000	2.553746	5.040353						
2490000	2.577661	4.855668						
2491000	2.525857	5.071141						
2492000	2.777428	4.731512						
2493000	2.51814	4.868149						
2494000	2.505927	4.673237						
2495000	2.562144	4.838652						

2496000	2.494754	4.99082						
2497000	2.507288	4.986117						
2498000	2.492619	4.90415						
2499000	2.48922	4.857764						
2500000	2.458859	5.216604						
2501000	2.357912	4.792442						
2502000	2.45601	5.009137						
2503000	2.391705	4.944695						
2504000	2.533132	5.289708						
2505000	2.432079	4.794797						
2506000	2.504271	4.827042						
2507000	2.444387	4.844379						
2508000	2.525988	4.999092						
2509000	2.518956	4.985701						
2510000	2.538715	4.990294						
2511000	2.356271	5.009422						
2512000	2.350996	5.167942						
2513000	2.31366	4.91271						
2514000	2.39733	4.954985						
2515000	2.413375	4.957878						
2516000	2.429532	4.934157						
2517000	2.442424	4.895192						
2518000	2.755067	4.828168						
2519000	2.457654	4.857108						
2520000	2.435421	4.729491						
2521000	2.508737	5.00584						
2522000	2.54797	4.882312						
2523000	2.390087	5.068814						
2524000	2.263377	5.00956						
2525000	2.353395	4.865737						
2526000	2.425621	5.059978						
2527000	2.378809	4.942181						

2528000	2.519702	4.702742						
2529000	2.46892	4.67609						
2530000	2.562249	4.814418						
2531000	2.542218	5.052783						
2532000	2.409938	5.06314						
2533000	2.391865	4.820807						
2534000	2.40436	4.994876						
2535000	2.73476	5.096938						
2536000	2.681309	4.908796						
2537000	2.633687	5.093587						
2538000	2.694644	5.050835						
2539000	2.692868	4.88589						
2540000	2.747861	4.85649						
2541000	2.720228	4.861043						
2542000	2.676227	4.70249						
2543000	2.711868	4.974988						
2544000	2.650261	5.025154						
2545000	2.5562	5.003398						
2546000	2.513011	4.800078						
2547000	2.572442	4.860891						
2548000	2.679914	4.981457						
2549000	2.553577	4.956403						
2550000	2.640925	5.178897						
2551000	2.490322	4.708187						
2552000	2.759266	4.82689						
2553000	2.655498	4.941138						
2554000	2.743034	4.620811						
2555000	2.72595	4.841826						
2556000	2.594223	4.931447						
2557000	2.576938	5.112305						
2558000	2.551503	4.989285						
2559000	2.618407	4.989055						



2560000	2.602952	4.921659						
2561000	2.587464	4.915099						
2562000	2.710106	5.127456						
2563000	2.654672	4.711101						
2564000	2.693194	4.867114						
2565000	2.716655	4.910408						
2566000	2.721664	4.898267						
2567000	2.643757	4.890381						
2568000	3.601077	5.128284						
2569000	2.614689	4.966806						
2570000	2.622012	4.918052						
2571000	2.554293	4.826574						
2572000	2.654988	4.773986						
2573000	2.573733	5.119288						
2574000	2.630488	5.049827						
2575000	2.525896	4.94643						
2576000	2.567797	4.951297						
2577000	2.643616	4.886722						
2578000	2.626871	5.033801						
2579000	2.762057	4.756664						
2580000	2.66582	4.497088						
2581000	2.633059	4.717944						
2582000	2.641109	4.840159						
2583000	2.646193	4.742526						
2584000	2.464508	4.882723						
2585000	2.524051	4.67831						
2586000	2.494899	5.150345						
2587000	2.686957	5.113311						
2588000	2.645144	4.835662						
2589000	2.558315	4.89412						
2590000	2.545836	4.480497						
2591000	2.624196	4.844562						

2592000	2.675058	5.038134						
2593000	2.679376	5.044107						
2594000	2.599364	4.89029						
2595000	2.592885	4.930621						
2596000	2.528175	5.12419						
2597000	2.538395	5.095006						
2598000	2.637077	4.720504						
2599000	2.658772	4.706223						
2600000	2.611795	4.830333						
2601000	2.725112	4.677561						
2602000	2.700468	4.727187						
2603000	2.767207	5.135172						
2604000	2.552912	5.087512						
2605000	2.519374	4.909208						
2606000	2.556095	4.946602						
2607000	2.62321	5.060568						
2608000	2.706178	5.269633						
2609000	2.582775	4.402531						
2610000	2.686853	4.861625						
2611000	2.75725	4.910069						
2612000	2.61619	4.664625						
2613000	2.609118	4.990513						
2614000	2.613452	5.049575						
2615000	2.5918	5.064917						
2616000	2.619235	5.064917						
2617000	2.53857	4.657388						
2618000	2.682257	4.564871						
2619000	2.713842	5.009183						
2620000	2.702423	4.919081						
2621000	2.711146	4.784241						
2622000	3.631615	3.909152						
2623000	2.453924	5.03625						

2624000	2.645165	4.885366						
2625000	2.678487	4.872365						
2626000	2.629121	4.919702						
2627000	2.579658	4.824826						
2628000	2.589264	4.718948						
2629000	2.675098	5.011984						
2630000	2.603718	5.07171						
2631000	2.592682	4.801011						
2632000	2.562128	5.023967						
2633000	2.53098	5.01456						
2634000	2.652592	5.252692						
2635000	2.626701	5.011755						
2636000	2.729198	4.970194						
2637000	2.663258	4.762031						
2638000	2.671994	4.845933						
2639000	2.443358	4.983033						
2640000	2.538555	4.883687						
2641000	2.567215	5.194122						
2642000	2.555837	4.908736						
2643000	2.655406	4.810154						
2644000	2.640558	4.959319						
2645000	2.54399	4.793698						
2646000	3.051447	4.752138						
2647000	2.471534	5.004316						
2648000	2.350504	5.056938						
2649000	2.598944	4.777104						
2650000	2.593159	4.967483						
2651000	2.603172	4.851515						
2652000	2.571086	4.748379						
2653000	2.589286	5.233995						
2654000	2.548672	4.972622						
2655000	2.406989	5.110582						

2656000	2.527943	5.117192						
2657000	2.574557	5.101331						
2658000	2.58294	4.615885						
2659000	2.638298	4.778624						
2660000	2.616732	4.602846						
2661000	2.561618	4.834561						
2662000	2.446004	5.001282						
2663000	2.583515	4.794987						
2664000	2.583639	5.054828						
2665000	2.553593	4.787364						
2666000	2.633422	4.773384						
2667000	2.650699	4.793454						
2668000	2.468444	5.009971						
2669000	2.535138	5.127712						
2670000	2.60487	4.942287						
2671000	2.535608	5.041381						
2672000	2.54447	4.829116						
2673000	2.642247	4.734492						
2674000	2.732887	4.746197						
2675000	2.614599	5.016661						
2676000	2.456872	4.950756						
2677000	2.529322	4.844787						
2678000	2.562212	4.970502						
2679000	2.52524	4.3867						
2680000	2.57381	4.926571						
2681000	2.649779	4.906701						
2682000	2.595456	5.092385						
2683000	2.501618	5.021625						
2684000	2.532916	5.133353						
2685000	2.512996	4.986297						
2686000	2.497758	4.792105						
2687000	2.57936	4.612962						

2688000	2.580912	4.717065						
2689000	2.772285	4.972541						
2690000	2.453557	5.129156						
2691000	2.505514	5.19729						
2692000	2.518752	4.658676						
2693000	2.630878	4.936273						
2694000	2.545751	4.886936						
2695000	2.557162	4.897771						
2696000	2.520926	5.029135						
2697000	2.447763	5.119771						
2698000	2.555261	5.166863						
2699000	2.560916	4.787022						
2700000	2.587658	4.709748						
2701000	2.56845	4.899136						
2702000	2.531042	4.999211						
2703000	2.518625	4.767422						
2704000	2.435383	5.012664						
2705000	2.49253	4.940627						
2706000	2.626288	4.766354						
2707000	2.672343	4.8635						
2708000	3.381069	4.637482						
2709000	2.378231	4.763523						
2710000	2.737964	4.881681						
2711000	2.836004	4.94285						
2712000	2.521815	5.130316						
2713000	2.647722	4.947319						
2714000	2.750752	4.952758						
2715000	2.791321	5.091335						
2716000	2.842755	4.818477						
2717000	2.80247	4.881375						
2718000	2.827712	4.758642						
2719000	2.739995	5.088179						

2720000	2.652465	5.000268						
2721000	2.811777	5.099941						
2722000	2.735731	4.987625						
2723000	2.746007	4.714199						
2724000	2.797288	4.747047						
2725000	2.879985	4.813682						
2726000	2.738142	5.000792						
2727000	2.588426	4.967667						
2728000	2.743331	5.038493						
2729000	2.800314	4.878461						
2730000	2.836338	4.785467						
2731000	2.725614	4.745075						
2732000	2.887403	4.937008						
2733000	2.691096	5.049117						
2734000	2.732856	5.085955						
2735000	2.711404	5.091986						
2736000	2.789635	4.98513						
2737000	2.846058	4.916285						
2738000	2.893641	4.817839						
2739000	2.705158	5.172743						
2740000	2.604365	5.223781						
2741000	2.715727	4.978813						
2742000	2.765472	5.144474						
2743000	2.742246	4.914824						
2744000	2.777534	4.833501						
2745000	2.675107	4.755334						
2746000	2.642847	5.181227						
2747000	2.749753	4.907229						
2748000	2.674443	4.932333						
2749000	2.809542	4.724195						
2750000	2.79515	4.871748						
2751000	2.870162	4.773223						

2752000	2.660487	5.124798						
2753000	2.640859	4.860274						
2754000	2.936037	5.083126						
2755000	2.660162	4.884834						
2756000	2.657324	4.876003						
2757000	2.700134	4.864862						
2758000	2.665072	4.731015						
2759000	2.538775	4.796528						
2760000	2.555909	5.182297						
2761000	2.576652	4.7563						
2762000	2.735732	4.886102						
2763000	2.730078	4.756982						
2764000	2.608204	4.944057						
2765000	2.508308	5.067997						
2766000	2.575443	5.095122						
2767000	2.64901	4.491727						
2768000	2.748211	5.012157						
2769000	2.640489	4.967373						
2770000	2.545113	4.928839						
2771000	2.603944	5.10878						
2772000	2.693961	4.811179						
2773000	2.692417	4.800676						
2774000	2.773911	4.910545						
2775000	2.583587	4.756708						
2776000	2.431537	5.132369						
2777000	2.539033	4.839761						
2778000	2.591561	4.814748						
2779000	2.662034	4.866297						
2780000	2.666166	4.87159						
2781000	2.553785	5.053762						
2782000	2.614866	5.064016						
2783000	2.61155	4.839366						

2784000	2.674613	4.868678						
2785000	2.794713	4.688538						
2786000	2.616009	5.136288						
2787000	2.553015	5.002724						
2788000	2.597508	4.911248						
2789000	2.657812	4.775199						
2790000	2.703995	4.955575						
2791000	2.683071	4.919035						
2792000	2.546525	4.980091						
2793000	2.571793	4.921825						
2794000	2.558537	4.808061						
2795000	2.574164	4.781336						
2796000	2.643869	4.894642						
2797000	2.536889	4.680592						
2798000	2.54101	4.844143						
2799000	2.504826	4.556265						
2800000	2.62146	4.948454						
2801000	2.588144	5.003143						
2802000	2.232429	4.980501						
2803000	2.586577	4.794981						
2804000	2.682515	4.518867						
2805000	2.669412	4.817276						
2806000	2.629626	5.122354						
2807000	2.539211	5.137939						
2808000	2.548757	5.040959						
2809000	2.572224	4.63852						
2810000	2.669277	4.892886						
2811000	2.593644	4.879807						
2812000	2.563073	5.00192						
2813000	2.518547	5.175321						
2814000	2.579938	4.493203						
2815000	2.631456	5.049955						



2816000	2.519693	4.840279						
2817000	2.849426	4.885586						
2818000	2.535996	5.192055						
2819000	2.540248	4.978568						
2820000	2.562268	4.82359						
2821000	2.582584	4.916577						
2822000	2.377931	5.14834						
2823000	2.568798	4.838771						
2824000	2.576816	4.864521						
2825000	2.619495	4.886975						
2826000	2.637798	4.855657						
2827000	2.308487	4.919958						
2828000	2.542585	5.162549						
2829000	2.547536	4.897106						
2830000	2.599311	4.88587						
2831000	2.627814	4.877978						
2832000	2.479023	4.861512						
2833000	2.506435	5.084552						
2834000	2.504258	4.714695						
2835000	2.562892	4.827749						
2836000	2.486913	4.769149						
2837000	2.414559	4.854818						
2838000	2.461415	4.977355						
2839000	2.701047	4.752246						
2840000	2.658336	4.766834						
2841000	2.645239	4.852642						
2842000	2.502201	5.079793						
2843000	2.60961	5.03141						
2844000	2.632144	4.919024						
2845000	2.599644	5.010872						
2846000	2.465476	4.843615						
2847000	2.499825	4.893646						

2848000	2.544253	4.732665						
2849000	2.626943	4.759958						
2850000	2.487247	4.740211						
2851000	2.432478	5.397335						
2852000	2.434035	4.774496						
2853000	2.568073	4.586089						
2854000	2.59493	4.547551						
2855000	2.480979	4.776261						
2856000	2.424196	5.006221						
2857000	2.487299	5.082646						
2858000	2.608617	4.619134						
2859000	2.915641	5.077242						
2860000	2.458116	4.837973						
2861000	2.50613	5.182529						
2862000	2.557526	4.757544						
2863000	2.57769	4.883139						
2864000	2.96798	4.963229						
2865000	2.591389	4.966429						
2866000	2.549787	4.973086						
2867000	2.538348	4.829957						
2868000	2.520654	4.879874						
2869000	2.481176	4.886476						
2870000	2.56923	5.063487						
2871000	2.539647	4.93592						
2872000	2.52944	4.908012						
2873000	2.60409	5.018988						
2874000	2.449892	4.923812						
2875000	2.68146	4.915697						
2876000	2.603684	4.875567						
2877000	2.623183	4.711462						
2878000	2.522647	5.07129						
2879000	2.581159	5.004438						

2880000	2.558243	4.642207						
2881000	2.54636	5.049922						
2882000	2.508595	5.024923						
2883000	2.423772	5.154043						
2884000	2.525099	4.886456						
2885000	2.932337	4.804071						
2886000	2.880274	5.033254						
2887000	2.810493	4.902986						
2888000	2.689906	4.827232						
2889000	2.889699	4.788578						
2890000	2.8576	5.060692						
2891000	2.837478	5.068857						
2892000	2.642987	5.069012						
2893000	2.763932	5.054855						
2894000	2.790753	4.775697						
2895000	2.843947	4.980984						
2896000	2.824715	4.846222						
2897000	2.751356	4.883466						
2898000	2.723117	5.062845						
2899000	2.794958	4.998136						
2900000	2.843966	5.093211						
2901000	2.683163	5.062537						
2902000	2.881678	4.964959						
2903000	2.878393	4.937742						
2904000	2.863072	4.835448						
2905000	2.86416	4.749687						
2906000	2.73847	4.92966						
2907000	2.747177	5.123687						
2908000	2.769322	4.639294						
2909000	2.846265	4.899652						
2910000	2.767546	5.025034						
2911000	2.582833	5.15489						

2912000	2.825957	4.644569						
2913000	2.856586	4.839748						
2914000	2.856347	5.064933						
2915000	2.710734	4.908552						
2916000	2.750871	4.923576						
2917000	2.794235	4.539621						
2918000	2.848015	4.90427						
2919000	2.812578	4.766902						
2920000	2.541304	4.685958						
2921000	2.661807	5.104317						
2922000	2.818867	4.78065						
2923000	2.734599	4.790037						
2924000	2.65524	6.313969						
2925000	2.580459	4.422853						
2926000	2.738252	4.874542						
2927000	2.867225	4.748042						
2928000	2.712917	4.874312						
2929000	2.666698	4.901544						
2930000	2.725113	4.948148						
2931000	2.738886	4.907368						
2932000	2.737863	4.990425						
2933000	2.658211	5.089077						
2934000	2.72175	4.993316						
2935000	2.884527	4.729726						
2936000	2.751306	5.049984						
2937000	2.643943	5.008102						
2938000	2.776887	4.930571						
2939000	2.829131	4.548179						
2940000	2.823025	4.838707						
2941000	2.806746	4.841159						
2942000	2.628634	5.136005						
2943000	2.748098	5.099588						

2944000	2.706913	4.947686						
2945000	2.639108	5.029312						
2946000	2.561512	5.225084						
2947000	2.723836	4.800901						
2948000	2.768653	4.836408						
2949000	2.737564	5.071811						
2950000	2.575213	5.117985						
2951000	2.674506	4.999051						
2952000	2.730175	4.818577						
2953000	2.717664	4.749011						
2954000	2.680511	4.87511						
2955000	2.682736	4.870989						
2956000	2.684764	4.72802						
2957000	2.678638	4.84865						
2958000	2.70853	4.946728						
2959000	2.630142	4.541323						
2960000	2.733855	4.893248						
2961000	2.783311	4.872039						
2962000	2.714456	4.785202						
2963000	2.694567	4.879799						
2964000	2.76063	4.646018						
2965000	2.716392	4.784531						
2966000	2.757431	5.167729						
2967000	2.695522	5.064748						
2968000	2.802126	4.607414						
2969000	2.787263	4.959623						
2970000	2.721499	5.177808						
2971000	2.651998	4.831799						
2972000	2.690421	4.71327						
2973000	2.737345	4.783179						
2974000	2.711869	4.998519						
2975000	2.440163	5.13375						

2976000	2.688861	4.532594						
2977000	2.626238	4.832066						
2978000	2.660117	5.023903						
2979000	2.631993	4.972213						
2980000	2.689493	4.802397						
2981000	2.683765	4.803728						
2982000	2.719533	5.019706						
2983000	2.627077	4.974913						
2984000	2.636216	4.609055						
2985000	2.72467	4.836216						
2986000	2.671035	5.026134						
2987000	2.853312	5.067541						
2988000	2.745719	4.49556						
2989000	2.714276	4.919134						
2990000	2.63791	4.807813						
2991000	2.650109	5.040318						
2992000	2.619057	4.846878						
2993000	2.657951	4.769121						
2994000	2.565427	5.0429						
2995000	2.667872	4.816392						
2996000	2.65607	4.971583						
2997000	2.72106	5.062787						
2998000	2.582206	5.07436						
2999000	2.629558	4.90787						
3000000	2.675829	5.090401						
3001000	2.696488	5.054446						
3002000	2.593003	5.08108						
3003000	2.625554	5.106688						
3004000	2.689142	4.910534						
3005000	2.63589	4.957932						
3006000	2.530701	5.073853						
3007000	2.720091	4.735981						

3008000	2.625447	4.929132						
3009000	2.570413	4.91236						
3010000	2.60856	5.152748						
3011000	2.654034	4.870174						
3012000	2.683804	5.030608						
3013000	2.642884	4.985156						
3014000	2.638243	5.016639						
3015000	2.751945	4.986801						
3016000	2.866478	5.112739						
3017000	2.470184	5.269958						
3018000	2.544743	4.821462						
3019000	2.770403	4.690982						
3020000	2.507394	5.068689						
3021000	2.520141	4.918965						
3022000	2.686033	4.83448						
3023000	2.591566	5.018152						
3024000	2.429043	5.058955						
3025000	2.593203	5.011621						
3026000	2.441928	4.892861						
3027000	2.475353	4.894703						
3028000	2.528234	4.839711						
3029000	2.560584	4.807396						
3030000	2.867946	5.244127						
3031000	2.443768	4.922048						
3032000	2.588957	4.659715						
3033000	2.616495	4.794601						
3034000	2.518382	4.996228						
3035000	2.520286	4.800495						
3036000	2.571688	4.798884						
3037000	2.528152	5.046532						
3038000	2.488141	5.080784						
3039000	2.510042	4.862917						

3040000	2.620466	5.068871						
3041000	2.444516	5.153462						
3042000	2.640877	4.766089						
3043000	2.569664	4.751537						
3044000	2.448335	4.854581						
3045000	2.556688	4.837648						
3046000	2.670704	4.837661						
3047000	2.597208	4.79876						
3048000	2.458158	5.074794						
3049000	2.500708	4.74687						
3050000	2.628395	4.932778						
3051000	2.484673	5.27065						
3052000	2.593196	4.903295						
3053000	2.634611	5.062						
3054000	2.451137	4.919075						
3055000	2.510267	4.855316						
3056000	2.635918	4.870181						
3057000	2.625799	4.934393						
3058000	2.499594	5.108277						
3059000	2.872952	4.933509						
3060000	2.805059	4.985399						
3061000	2.660238	4.934237						
3062000	2.7183	5.062405						
3063000	2.819073	4.960292						
3064000	2.786629	5.146415						
3065000	2.763153	4.748407						
3066000	2.763771	4.706793						
3067000	2.856502	4.796694						
3068000	2.676857	4.802082						
3069000	2.693371	4.770016						
3070000	2.760068	4.814395						
3071000	2.844896	4.86797						



3072000	2.676981	5.066265						
3073000	2.82898	4.765492						
3074000	2.749687	4.910235						
3075000	2.672439	5.168619						
3076000	2.641477	5.087643						
3077000	2.863306	4.886909						
3078000	2.712709	5.076857						
3079000	2.685409	5.136443						
3080000	2.821084	4.90898						
3081000	2.851855	4.733859						
3082000	2.630975	4.876685						
3083000	2.685894	4.703469						
3084000	2.822463	8.824933						
3085000	2.744996	4.693893						
3086000	2.768894	4.838644						
3087000	2.708279	4.879427						
3088000	2.745726	4.868751						
3089000	2.711323	4.872861						
3090000	2.677796	4.88954						
3091000	2.716878	4.96315						
3092000	2.747727	5.014618						
3093000	2.614317	5.040512						
3094000	2.693417	4.746941						
3095000	2.817137	4.846284						
3096000	2.567777	4.686375						
3097000	2.702458	4.826039						
3098000	2.810527	4.838918						
3099000	2.76033	5.080185						
3100000	2.647137	5.061618						
3101000	2.752686	4.925077						
3102000	2.663947	5.129414						
3103000	2.657298	4.974782						

3104000	2.701748	4.898795						
3105000	2.815592	4.929054						
3106000	2.629903	5.117482						
3107000	2.777376	4.738519						
3108000	2.765977	4.984488						
3109000	2.661415	4.705577						
3110000	2.731822	8.173195						
3111000	2.726993	4.77049						
3112000	2.7339	4.838794						
3113000	2.679813	4.766084						
3114000	2.733148	4.887835						
3115000	2.708483	4.877252						
3116000	2.693756	4.878578						
3117000	2.661882	4.92082						
3118000	2.701682	4.88256						
3119000	2.787352	4.989149						
3120000	2.790053	4.879011						
3121000	2.642661	4.593068						
3122000	2.870526	4.69339						
3123000	2.576956	5.028873						
3124000	2.646533	4.678705						
3125000	2.814201	4.834694						
3126000	2.606486	4.899544						
3127000	2.713904	4.773275						
3128000	2.806592	5.002765						
3129000	2.824681	5.04124						
3130000	2.75622	4.724905						
3131000	2.83582	4.79561						
3132000	2.768149	4.877608						
3133000	2.731682	5.006439						
3134000	2.815651	4.787915						
3135000	2.758815	4.751705						

3136000	2.668999	4.921005						
3137000	2.720596	4.807267						
3138000	2.763807	5.003364						
3139000	2.563843	5.172413						
3140000	2.788433	4.725366						
3141000	2.750921	5.093266						
3142000	2.639581	5.013492						
3143000	2.899431	4.933771						
3144000	2.844646	5.030669						
3145000	2.671375	4.925844						
3146000	2.761567	4.814578						
3147000	2.839935	4.726751						
3148000	2.768859	5.046514						
3149000	2.734713	4.995938						
3150000	2.767733	4.80863						
3151000	2.787127	4.887359						
3152000	2.66302	5.043938						
3153000	2.84155	4.937772						
3154000	2.71437	4.891432						
3155000	2.760936	4.966594						
3156000	2.796439	4.774398						
3157000	2.647097	5.06705						
3158000	3.024674	5.151005						
3159000	2.749876	4.906383						
3160000	2.766584	5.482772						
3161000	2.395087	4.77271						
3162000	2.713528	4.884185						
3163000	2.67032	4.776567						
3164000	2.718505	4.951594						
3165000	2.68061	4.935282						
3166000	2.702179	4.903947						
3167000	2.656144	4.917027						

3168000	2.641188	4.679322						
3169000	2.68412	4.796957						
3170000	2.623898	5.070195						
3171000	2.658067	4.793001						
3172000	2.736643	5.024924						
3173000	2.562032	4.584918						
3174000	2.668798	4.677409						
3175000	2.664108	4.867302						
3176000	2.595272	4.929608						
3177000	2.654262	4.886893						
3178000	2.780025	4.992423						
3179000	2.524004	4.832251						
3180000	2.641951	4.870058						
3181000	2.680842	5.053205						
3182000	2.645993	4.940934						
3183000	2.684405	4.851168						
3184000	2.61272	5.164019						
3185000	2.594839	4.902597						
3186000	2.709642	4.860534						
3187000	2.68949	5.067139						
3188000	2.583551	4.917692						
3189000	2.778938	4.726551						
3190000	2.636021	5.204444						
3191000	2.549877	4.567372						
3192000	2.622103	4.840755						
3193000	2.564027	4.991457						
3194000	2.561912	4.698046						
3195000	2.707472	5.012004						
3196000	2.523027	4.824993						
3197000	2.703278	4.883355						
3198000	2.62358	5.086581						
3199000	2.515287	5.005459						

3200000	2.629448	4.731752						
1000	2.701781	4.669105						
2000	4.207005	4.748616						
3000	4.936466	4.901371						
4000	4.980372	4.746968						
5000	4.949084	4.844971						
6000	4.937676	4.787435						
7000	4.941398	4.875758						
8000	4.968405	4.802925						
9000	4.921099	4.876643						
10000	5.035393	4.803167						
11000	6.301063	7.313818						
12000	5.023215	4.84333						
13000	4.283451	4.885556						
14000	4.239008	4.8363						
15000	4.759759	4.865878						
16000	4.452292	4.824639						
17000	4.468269	4.893509						
18000	4.462761	4.814951						
19000	4.521032	4.897309						
20000	4.513845	5.201316						
21000	4.378097	4.900231						
22000	4.551315	4.842779						
23000	4.648881	4.905751						
24000	4.613303	4.845935						
25000	4.725033	4.907701						
26000	4.433755	4.835502						
27000	4.769546	4.908565						
28000	4.681914	4.832473						
29000	4.883423	4.905318						
30000	4.633147	4.837517						
31000	4.583484	4.903231						

32000	4.695143	4.821317						
33000	4.78638	4.905214						
34000	4.636739	4.832096						
35000	4.728043	4.913548						
36000	5.824198	5.148367						
37000	4.656983	4.905033						
38000	4.581599	4.833359						
39000	4.616153	4.908883						
40000	4.453971	4.942206						
41000	3.983325	5.153868						
42000	4.8264	5.343162						
43000	6.284784	5.745384						
44000	4.633301	4.852309						
45000	4.594075	4.911365						
46000	4.700381	4.85022						
47000	4.737901	4.912243						
48000	4.743665	4.849277						
49000	4.811114	4.911909						
50000	4.659344	4.843881						
51000	4.770428	4.913353						
52000	4.728593	4.850855						
53000	4.807988	4.511202						
54000	4.796938	5.011615						
55000	4.799969	5.421055						
56000	4.798066	5.297087						
57000	4.793211	4.89725						
58000	4.888195	4.840339						
59000	4.829161	4.916758						
60000	4.76241	4.856124						
61000	5.500534	4.918583						
62000	4.774167	4.846413						
63000	4.682627	5.003401						

64000	4.716233	4.846882						
65000	4.848993	4.920822						
66000	4.805643	4.856207						
67000	4.869721	4.904969						
68000	4.83133	4.852207						
69000	4.928903	4.915132						
70000	4.852714	4.853677						
71000	4.886467	4.917078						
72000	4.905169	4.902813						
73000	4.88821	4.91121						
74000	4.602126	4.858702						
75000	4.873222	4.9145						
76000	4.810089	4.846652						
77000	4.821245	6.062469						
78000	3.646323	4.852282						
79000	4.816019	5.111738						
80000	5.055246	4.90881						
81000	4.681127	4.921376						
82000	5.162258	4.394272						
83000	4.457149	4.914818						
84000	4.386596	4.908226						
85000	4.60868	4.916884						
86000	4.756329	4.853363						
87000	4.739551	4.909385						
88000	4.76569	4.862752						
89000	4.839381	4.924432						
90000	4.757118	4.8541						
91000	4.81914	4.917943						
92000	4.830898	5.149042						
93000	4.819728	4.913795						
94000	4.838764	4.894785						
95000	4.903659	4.91776						

96000	4.873282	4.855907						
97000	6.085797	4.914528						
98000	4.871488	4.859981						
99000	4.941878	4.918539						
100000	4.964534	4.859058						
101000	4.925211	4.910886						
102000	5.213412	4.50724						
103000	4.856728	4.913491						
104000	4.813817	4.852323						
105000	4.814452	4.917212						
106000	4.781686	4.857822						
107000	5.126923	4.414424						
108000	4.887681	4.854477						
109000	5.710233	4.926853						
110000	4.271214	4.857418						
111000	4.503584	4.912976						
112000	4.817961	4.890215						
113000	4.921859	4.913						
114000	4.964477	4.84813						
115000	4.926886	4.910824						
116000	4.856615	4.859123						
117000	4.83784	4.917497						
118000	4.774451	4.85297						
119000	5.092646	4.919347						
120000	4.804412	4.860056						
121000	3.895802	4.906104						
122000	4.754724	4.860703						
123000	4.810483	4.914685						
124000	4.670535	4.854907						
125000	4.97986	4.917416						
126000	4.42819	5.067816						
127000	4.487694	4.911453						



128000	4.575121	4.84903						
129000	5.175785	5.024286						
130000	3.825922	5.302705						
131000	4.909634	4.932282						
132000	4.773209	4.899257						
133000	4.848865	4.920803						
134000	4.823814	4.860788						
135000	4.867634	4.921231						
136000	4.820225	5.455849						
137000	3.261761	5.024481						
138000	4.888502	4.863739						
139000	4.92561	4.920123						
140000	4.889875	4.86018						
141000	4.92319	4.818764						
142000	4.881943	4.858801						
143000	4.957855	4.923138						
144000	4.858194	5.080887						
145000	3.750296	4.941492						
146000	4.814473	5.078961						
147000	4.848308	4.051356						
148000	4.689803	4.873987						
149000	4.774143	4.952223						
150000	4.771415	5.063869						
151000	4.946129	4.916433						
152000	4.856539	4.831368						
153000	4.900193	5.001798						
154000	4.84095	4.858083						
155000	4.912035	4.921635						
156000	4.915558	4.857143						
157000	4.972782	4.925442						
158000	4.633637	5.024451						
159000	4.907264	5.650754						

160000	4.816085	4.857386						
161000	4.873702	4.958026						
162000	4.812544	4.85946						
163000	4.837889	4.917792						
164000	4.531967	4.856133						
165000	5.591124	4.831808						
166000	4.803054	4.857772						
167000	5.026025	4.886678						
168000	4.504884	4.85065						
169000	4.452233	4.918574						
170000	4.545471	4.851887						
171000	4.673245	4.914644						
172000	4.733868	4.890264						
173000	4.778751	4.92264						
174000	4.750895	4.854984						
175000	4.818175	4.923368						
176000	5.056872	3.646365						
177000	4.859025	4.918317						
178000	4.864661	3.985569						
179000	4.466788	5.038161						
180000	4.629662	4.805432						
181000	4.870066	4.90914						
182000	4.889897	4.848113						
183000	4.844885	4.914546						
184000	4.91841	5.343564						
185000	4.905816	4.900767						
186000	4.934913	4.852842						
187000	4.882068	4.921954						
188000	4.786378	4.848859						
189000	5.114739	5.572421						
190000	4.929585	4.855372						
191000	4.722786	4.918098						

192000	4.794975	4.940468						
193000	4.861827	5.861706						
194000	4.896043	4.944005						
195000	4.880569	4.895243						
196000	4.742791	4.85374						
197000	5.217162	4.539412						
198000	4.892104	4.854685						
199000	4.978892	4.917397						
200000	4.934941	4.809985						
201000	5.340182	4.050344						
202000	4.078026	4.197659						
203000	4.965385	4.955068						
204000	4.676785	4.919828						
205000	4.828351	4.919355						
206000	4.683849	4.997738						
207000	4.67862	4.956704						
208000	4.713338	4.854644						
209000	4.685222	4.917998						
210000	4.627833	5.168676						
211000	3.993754	4.916777						
212000	4.489475	4.851209						
213000	4.610476	4.944072						
214000	4.923219	4.84964						
215000	4.662752	4.919372						
216000	5.125852	4.745602						
217000	5.047882	4.897007						
218000	5.280769	4.847061						
219000	5.332	4.648041						
220000	4.83849	4.828677						
221000	4.853777	4.956231						
222000	4.773427	4.855331						
223000	4.916522	4.914632						

224000	4.888214	4.877449						
225000	4.838841	5.321034						
226000	5.419703	4.831464						
227000	4.988015	4.910231						
228000	4.933824	4.980615						
229000	5.195935	5.053289						
230000	4.874536	4.793221						
231000	4.790434	4.916669						
232000	4.792597	5.067021						
233000	4.730182	4.916249						
234000	4.794313	4.858723						
235000	5.26346	4.899591						
236000	4.767555	4.853086						
237000	4.90691	4.916022						
238000	4.799215	4.850521						
239000	5.281686	3.977359						
240000	5.33628	4.633842						
241000	4.819892	4.899123						
242000	4.94284	4.895268						
243000	4.297467	5.248231						
244000	4.617588	4.853683						
245000	4.891095	5.204787						
246000	4.781315	4.847826						
247000	4.873147	4.909352						
248000	4.75108	4.823082						
249000	4.694233	5.107494						
250000	4.461573	5.661379						
251000	4.606453	4.970843						
252000	4.626178	4.846366						
253000	4.550974	4.899753						
254000	4.474772	4.839269						
255000	4.391611	4.893442						

256000	4.558895	5.178852						
257000	4.601819	4.926224						
258000	4.755413	4.846233						
259000	4.799874	5.066894						
260000	4.434251	5.644234						
261000	4.063598	4.873344						
262000	4.863677	4.837356						
263000	4.86357	5.326361						
264000	4.518572	4.356756						
265000	4.797308	4.900311						
266000	4.856853	4.834242						
267000	4.887747	4.909353						
268000	4.900941	5.180279						
269000	4.942112	4.751071						
270000	5.499279	4.679935						
271000	4.755462	4.890799						
272000	4.821834	5.172489						
273000	4.740043	4.924679						
274000	4.734507	4.840409						
275000	4.791888	4.915755						
276000	4.701986	5.061911						
277000	4.289493	4.900907						
278000	4.796397	4.992243						
279000	4.925084	4.566354						
280000	4.841023	4.771923						
281000	4.720981	4.905199						
282000	4.836223	4.843301						
283000	4.940756	4.908772						
284000	5.185212	4.85609						
285000	4.896512	4.904019						
286000	4.881253	4.861181						
287000	4.90349	5.13026						

288000	5.072723	4.652149						
289000	4.608423	4.874086						
290000	4.798836	4.833821						
291000	4.707194	5.261594						
292000	4.71931	4.849997						
293000	4.710957	4.924273						
294000	4.69734	4.843068						
295000	4.971687	4.848137						
296000	4.630867	4.330758						
297000	4.230872	4.870184						
298000	4.399145	4.83321						
299000	4.065998	4.865102						
300000	4.648787	4.834762						
301000	4.732353	4.893727						
302000	5.215749	4.767591						
303000	4.718015	4.885712						
304000	4.753167	4.93171						
305000	4.257789	5.124879						
306000	3.891965	4.8001						
307000	4.9615	4.846059						
308000	4.581395	4.830511						
309000	4.905566	5.290068						
310000	4.850114	4.839412						
311000	4.91623	4.934641						
312000	4.839676	5.116945						
313000	4.94865	5.557585						
314000	4.675682	4.801957						
315000	4.82257	4.796904						
316000	5.138989	4.774516						
317000	3.931665	4.897888						
318000	4.727199	4.8649						
319000	4.637824	5.195965						

320000	4.648785	4.865087						
321000	4.979565	5.684969						
322000	4.274351	5.150167						
323000	4.701946	4.843985						
324000	4.621874	4.718417						
325000	4.854722	4.898948						
326000	5.221374	4.465906						
327000	4.824123	4.869261						
328000	4.88979	4.985895						
329000	4.493231	3.840672						
330000	4.47366	4.800038						
331000	4.815264	4.544751						
332000	4.771507	4.759361						
333000	4.738082	4.908756						
334000	4.674978	4.832301						
335000	4.74018	5.402544						
336000	4.531552	4.751315						
337000	4.632253	4.736463						
338000	4.433431	4.815978						
339000	4.416186	4.861806						
340000	4.472827	4.869332						
341000	4.314161	4.527435						
342000	4.277481	4.513729						
343000	3.723841	4.799111						
344000	4.588501	4.800602						
345000	4.300309	4.917131						
346000	4.667304	4.829769						
347000	4.785487	5.200079						
348000	4.600257	4.873227						
349000	3.780201	4.867316						
350000	4.726545	5.224455						
351000	4.680326	4.750951						

352000	4.504352	4.852575						
353000	4.915406	5.092823						
354000	4.261635	4.72376						
355000	4.746813	4.894668						
356000	4.847936	5.066844						
357000	4.669962	5.120352						
358000	3.975866	3.768375						
359000	4.419223	4.923088						
360000	4.300932	4.814796						
361000	4.668017	5.177952						
362000	4.509985	4.828549						
363000	4.458175	4.88537						
364000	4.76873	4.918582						
365000	4.399404	4.150174						
366000	4.596501	4.785058						
367000	4.746661	4.696						
368000	4.796232	3.957715						
369000	4.682975	4.913462						
370000	5.13456	4.74774						
371000	4.707593	4.840825						
372000	4.567795	4.747316						
373000	4.479621	4.868126						
374000	4.851997	4.730544						
375000	4.66939	4.867936						
376000	4.665406	4.819679						
377000	4.903235	4.868187						
378000	4.603384	4.672763						
379000	4.663178	4.67743						
380000	4.265411	4.826962						
381000	4.337818	4.867707						
382000	4.409607	4.120452						
383000	4.219948	4.877573						



384000	4.312294	4.803119						
385000	4.978188	5.114747						
386000	4.186676	4.711774						
387000	4.575131	5.157487						
388000	4.397648	4.820172						
389000	4.635712	4.856902						
390000	4.881881	4.510052						
391000	4.484838	4.864917						
392000	5.020851	4.655266						
393000	4.536737	4.563448						
394000	4.689447	4.78177						
395000	4.682218	4.858833						
396000	3.901616	4.765405						
397000	4.635448	4.963444						
398000	4.39721	4.728906						
399000	4.403835	4.838377						
400000	4.618446	4.815288						
401000	4.671462	4.043686						
402000	4.405995	4.772674						
403000	4.572125	5.168029						
404000	4.670114	4.781439						
405000	4.284844	5.021926						
406000	4.462289	4.770048						
407000	4.651537	4.811199						
408000	4.62587	4.919136						
409000	4.288796	4.808043						
410000	4.745088	5.223272						
411000	4.326838	5.016687						
412000	4.474894	4.805423						
413000	4.997641	4.888564						
414000	4.675037	4.674332						
415000	4.445132	4.690432						

416000	4.800095	5.528132						
417000	4.153067	4.742554						
418000	4.585805	4.643867						
419000	4.890988	4.76714						
420000	4.651327	4.696083						
421000	4.558628	5.102625						
422000	4.398621	4.766437						
423000	4.092194	4.74952						
424000	4.21457	4.698351						
425000	4.303578	4.734016						
426000	4.349465	5.078319						
427000	4.299299	4.937445						
428000	4.615147	5.284404						
429000	4.302114	4.75736						
430000	4.496006	4.661244						
431000	4.709281	4.663794						
432000	4.521251	4.484902						
433000	4.584919	4.975849						
434000	3.516444	4.561864						
435000	4.385857	4.762012						
436000	4.4085	3.739544						
437000	4.500596	5.403017						
438000	3.750284	4.250394						
439000	4.064091	4.724476						
440000	3.818871	4.64969						
441000	4.163483	4.76122						
442000	4.578696	4.52024						
443000	4.933416	4.794582						
444000	4.479291	4.824136						
445000	4.129039	4.4579						
446000	4.222214	4.766375						
447000	4.265121	4.789522						

448000	3.934025	4.792519						
449000	4.511911	4.834012						
450000	4.925586	4.32292						
451000	4.173524	4.636872						
452000	4.550657	4.649514						
453000	4.405751	4.829104						
454000	4.543167	5.210429						
455000	4.284177	4.774462						
456000	4.551925	4.202843						
457000	4.304821	4.823862						
458000	4.414931	4.725247						
459000	4.855232	4.714847						
460000	4.518141	4.69314						
461000	4.773169	5.073373						
462000	4.045586	4.66849						
463000	4.453606	4.940721						
464000	3.916058	4.678417						
465000	4.345077	4.791504						
466000	3.511179	4.882336						
467000	4.535907	4.628716						
468000	4.248308	4.645773						
469000	4.386235	4.754057						
470000	4.188812	5.058785						
471000	3.532192	4.819639						
472000	4.374983	4.720943						
473000	4.122457	4.757579						
474000	4.47914	4.928469						
475000	4.291792	4.722586						
476000	4.463342	4.965908						
477000	4.344937	4.70074						
478000	4.136668	4.70791						
479000	4.620674	4.654762						

480000	4.793417	4.555699						
481000	4.537353	3.945637						
482000	4.554985	5.047382						
483000	4.138982	4.776815						
484000	4.344082	4.673331						
485000	4.420052	4.976608						
486000	4.342967	4.770845						
487000	4.500242	5.119621						
488000	3.815785	4.665685						
489000	4.310338	5.043435						
490000	4.220434	4.687933						
491000	4.3629	4.71555						
492000	3.905266	4.720159						
493000	4.003806	4.576912						
494000	4.142741	4.657236						
495000	4.378214	4.852169						
496000	4.500111	4.615619						
497000	4.551312	4.951327						
498000	4.060623	4.618042						
499000	4.252736	4.563233						
500000	4.627045	4.616124						
501000	4.426382	4.967971						
502000	4.690917	4.981179						
503000	3.968501	4.619222						
504000	4.396237	4.96282						
505000	4.26842	4.645907						
506000	4.575272	4.569922						
507000	4.180175	3.995769						
508000	4.082718	4.513075						
509000	4.162796	4.685176						
510000	4.345584	4.660825						
511000	4.206737	4.73978						

512000	4.445672	4.450823						
513000	4.201475	4.630781						
514000	4.50764	4.541779						
515000	3.113879	4.101234						
516000	4.135258	4.726558						
517000	3.685555	4.432346						
518000	3.986183	4.653662						
519000	4.230463	4.702183						
520000	3.434769	4.582366						
521000	4.366164	4.224515						
522000	4.038594	4.583575						
523000	4.338193	4.936997						
524000	4.181984	3.606061						
525000	4.251527	4.752288						
526000	4.002643	4.542162						
527000	4.313047	4.664206						
528000	3.665685	4.672499						
529000	4.376112	4.903048						
530000	4.346126	4.886372						
531000	4.13246	4.615304						
532000	4.04509	4.577989						
533000	3.525501	4.679168						
534000	4.197746	4.616596						
535000	3.968562	4.096114						
536000	4.022369	4.704365						
537000	4.329698	4.927228						
538000	4.201107	4.527094						
539000	4.482041	4.356838						
540000	4.009721	4.574611						
541000	4.459386	4.607146						
542000	4.179918	4.603722						
543000	4.771514	4.682322						

544000	4.524901	4.429161						
545000	4.009041	4.543982						
546000	4.285744	4.813722						
547000	4.590705	4.633552						
548000	4.310776	4.509673						
549000	3.934225	4.635394						
550000	4.260029	4.78064						
551000	4.223819	4.630704						
552000	4.369905	4.733085						
553000	3.758168	4.649615						
554000	3.97401	4.594191						
555000	3.402957	4.678466						
556000	4.300798	4.519903						
557000	4.175545	5.005223						
558000	3.946569	4.54025						
559000	4.279897	4.635732						
560000	4.113094	4.832295						
561000	4.3433	4.942004						
562000	4.385515	4.472329						
563000	3.987492	4.629112						
564000	3.87073	4.457849						
565000	4.286844	5.154198						
566000	4.20248	4.214546						
567000	4.157446	4.526425						
568000	4.290834	4.480201						
569000	4.573232	4.663268						
570000	4.362209	4.565022						
571000	3.942182	4.45365						
572000	4.269766	4.916206						
573000	4.220271	4.18337						
574000	4.205289	5.251207						
575000	3.918259	4.609266						

576000	4.185593	4.46077						
577000	4.290129	4.715205						
578000	4.452489	4.702724						
579000	4.136378	4.644651						
580000	3.945976	4.712621						
581000	4.226129	5.457539						
582000	3.436909	4.447823						
583000	4.277101	4.407905						
584000	4.070826	4.644455						
585000	3.666104	4.636792						
586000	4.301524	4.829761						
587000	4.189685	4.561217						
588000	4.087099	4.465044						
589000	4.211706	4.721505						
590000	3.476654	4.560328						
591000	4.328135	5.050454						
592000	3.910464	4.346179						
593000	4.132242	4.863392						
594000	3.859805	4.607665						
595000	3.653596	3.914496						
596000	3.76559	4.386939						
597000	3.782888	4.639216						
598000	4.141094	4.655046						
599000	4.073592	4.741263						
600000	3.832737	4.462232						
601000	4.173655	4.523951						
602000	4.342271	4.51616						
603000	4.188017	4.524342						
604000	3.425752	4.588634						
605000	4.105863	4.523437						
606000	4.14715	4.534639						
607000	4.610258	4.437834						

608000	3.888248	4.341955						
609000	3.918527	4.598155						
610000	3.930028	4.81929						
611000	4.077309	4.809532						
612000	3.858618	4.58542						
613000	4.172265	4.822882						
614000	4.138098	4.504769						
615000	4.210632	4.806641						
616000	3.911538	4.7367						
617000	3.870721	4.415634						
618000	4.161876	4.565254						
619000	4.305559	4.663237						
620000	3.882825	4.455302						
621000	4.013889	3.982917						
622000	4.395866	4.489676						
623000	4.338416	5.142555						
624000	3.878949	4.578436						
625000	4.233863	4.518542						
626000	4.08724	4.603462						
627000	4.204062	4.074347						
628000	3.868446	4.159221						
629000	4.1095	4.534052						
630000	4.317387	4.644099						
631000	3.68467	4.488907						
632000	4.061021	4.500515						
633000	4.389008	4.310107						
634000	4.105641	4.661801						
635000	4.404808	4.511046						
636000	3.993686	3.943258						
637000	3.968063	4.776066						
638000	4.016074	4.829792						
639000	3.626085	4.835525						



640000	3.876919	4.56079						
641000	3.520501	4.227654						
642000	3.951077	4.301225						
643000	3.873988	4.371331						
644000	4.212326	4.577825						
645000	3.998026	4.561783						
646000	4.181183	4.517383						
647000	3.95802	4.134217						
648000	4.089505	4.483559						
649000	3.601857	4.392893						
650000	3.614612	4.51675						
651000	4.068293	4.625566						
652000	4.023161	4.526086						
653000	4.199223	4.98001						
654000	3.9587	4.43752						
655000	4.249907	4.732442						
656000	4.018631	4.480255						
657000	3.928388	4.413932						
658000	4.200421	4.264671						
659000	4.019986	4.858567						
660000	4.137164	4.583107						
661000	3.848875	4.532728						
662000	3.862983	4.357978						
663000	3.971849	4.52743						
664000	4.402123	4.302693						
665000	3.747299	4.758579						
666000	3.95436	4.706115						
667000	4.040182	4.683522						
668000	4.10282	4.572295						
669000	4.182646	4.534189						
670000	4.256831	4.474111						
671000	4.166148	4.687351						

672000	3.895696	4.556144						
673000	4.186031	4.348965						
674000	4.131652	4.643953						
675000	3.957603	4.478763						
676000	4.005901	4.341789						
677000	4.085145	4.758424						
678000	3.854817	4.675327						
679000	4.060215	4.560628						
680000	3.891365	4.505744						
681000	3.863834	4.659581						
682000	3.873038	4.50467						
683000	3.806448	4.781369						
684000	4.057134	4.548146						
685000	4.14803	4.498712						
686000	3.813266	4.667557						
687000	3.877111	4.821858						
688000	3.939279	4.548439						
689000	4.089605	4.387679						
690000	4.193554	4.514098						
691000	3.986328	4.527856						
692000	3.720123	4.958356						
693000	3.918373	5.005311						
694000	4.002991	4.101286						
695000	3.202428	4.728375						
696000	3.367909	4.381059						
697000	3.954822	4.724066						
698000	3.977847	4.361116						
699000	4.178155	4.386159						
700000	3.897529	4.672041						
701000	4.006657	4.538889						
702000	4.167993	4.598761						
703000	3.865115	4.408448						

704000	3.863295	5.038829						
705000	3.934398	4.701412						
706000	3.820352	4.193015						
707000	3.884463	4.578904						
708000	3.706632	4.697416						
709000	3.779486	4.274147						
710000	4.045618	4.340662						
711000	4.018612	4.552038						
712000	3.941053	4.812911						
713000	3.915358	4.526565						
714000	4.022096	4.58191						
715000	3.903082	4.763903						
716000	3.308179	4.479573						
717000	3.913643	4.145429						
718000	4.009214	4.490544						
719000	4.089663	4.549987						
720000	3.797277	4.719118						
721000	3.964097	4.65193						
722000	3.96583	4.321884						
723000	3.673286	4.410215						
724000	3.969316	4.448804						
725000	3.940165	4.784325						
726000	3.776333	4.652621						
727000	3.757999	4.615284						
728000	4.02005	4.353042						
729000	3.665845	4.723121						
730000	3.823165	4.416716						
731000	4.072829	4.412597						
732000	4.061311	4.382231						
733000	3.905889	4.613559						
734000	3.811911	4.518545						
735000	4.321275	4.407564						

736000	4.015029	3.81799						
737000	3.950026	4.826053						
738000	3.97595	4.584276						
739000	3.892552	4.525612						
740000	4.238496	4.318344						
741000	3.924588	4.623227						
742000	3.935723	4.469523						
743000	4.091574	4.177519						
744000	3.257423	4.365396						
745000	3.892251	4.207106						
746000	3.70676	4.538208						
747000	3.669265	4.404832						
748000	3.448967	4.352076						
749000	3.965659	4.469628						
750000	3.846908	4.262026						
751000	3.743653	4.48463						
752000	3.801368	4.537771						
753000	3.935351	4.445905						
754000	3.717596	4.390865						
755000	3.443984	4.682982						
756000	4.056378	4.20524						
757000	4.24907	4.571431						
758000	3.926757	4.59492						
759000	3.989205	4.135498						
760000	4.155613	3.915768						
761000	3.888031	4.353381						
762000	3.944807	4.577879						
763000	4.107542	4.50388						
764000	3.736786	4.488699						
765000	3.808524	4.176819						
766000	3.834422	4.408551						
767000	3.648137	4.481029						

768000	3.386796	4.400326						
769000	3.49543	4.573021						
770000	3.630897	4.422828						
771000	3.836789	4.556354						
772000	3.674778	4.732699						
773000	3.594802	4.569425						
774000	3.833792	3.885327						
775000	3.936032	4.738469						
776000	3.758536	4.117875						
777000	3.86796	4.467908						
778000	4.174018	4.420089						
779000	4.060832	4.498018						
780000	3.919111	4.261034						
781000	3.450401	4.628228						
782000	4.007575	4.387158						
783000	3.916566	3.874888						
784000	3.325234	4.665582						
785000	3.790373	4.419206						
786000	3.73033	4.530499						
787000	4.035571	4.491182						
788000	3.562985	4.123521						
789000	3.768738	4.833824						
790000	3.321001	4.339794						
791000	3.968298	4.452806						
792000	4.089842	4.449319						
793000	3.984778	4.475873						
794000	3.895993	4.439817						
795000	3.862341	4.524492						
796000	4.109202	4.311163						
797000	3.906217	4.697834						
798000	3.871573	4.397933						
799000	3.861046	4.65528						

800000	3.874882	4.371772						
801000	4.015838	4.487876						
802000	4.032044	4.526234						
803000	4.199773	4.347511						
804000	3.756781	4.609218						
805000	4.037365	4.491208						
806000	3.571782	4.541742						
807000	3.893031	4.349044						
808000	3.811057	3.902123						
809000	3.560758	4.54537						
810000	3.777323	4.431922						
811000	3.398572	4.531344						
812000	3.574246	4.394229						
813000	3.768665	4.179415						
814000	3.767784	4.829758						
815000	3.615606	4.680896						
816000	3.796646	4.382988						
817000	3.985877	4.067371						
818000	3.745344	4.153942						
819000	3.876408	4.601261						
820000	3.924794	4.852272						
821000	3.63114	4.390973						
822000	3.441994	4.483294						
823000	4.003916	4.421952						
824000	3.988134	4.122314						
825000	3.807377	4.690794						
826000	4.143207	4.417139						
827000	3.908854	4.42134						
828000	3.216631	4.459111						
829000	4.049083	4.443858						
830000	3.965621	4.408285						
831000	3.729643	3.991447						

832000	3.779303	4.464782						
833000	3.687079	4.789827						
834000	2.954055	4.430511						
835000	3.342627	4.528679						
836000	4.045497	4.377044						
837000	3.92294	4.556207						
838000	3.712087	4.39505						
839000	3.787562	4.714136						
840000	3.774216	4.208828						
841000	3.789572	4.467008						
842000	3.796231	4.464504						
843000	4.030779	4.409834						
844000	3.828007	4.116454						
845000	3.932687	4.792882						
846000	3.860014	4.492548						
847000	3.92449	4.438953						
848000	3.831665	4.601925						
849000	3.153201	4.375592						
850000	3.711863	4.509634						
851000	3.757909	4.105933						
852000	3.707008	4.587433						
853000	3.61515	4.63892						
854000	3.838885	3.912924						
855000	3.619288	4.538969						
856000	3.817497	4.436835						
857000	3.72801	4.407647						
858000	3.733891	4.05833						
859000	3.929451	4.533015						
860000	3.462928	4.662496						
861000	3.858398	4.470975						
862000	3.770209	4.332051						
863000	3.759769	4.330284						

864000	3.94087	4.370719						
865000	4.012045	4.366174						
866000	3.784443	4.433129						
867000	3.858005	4.388928						
868000	3.912559	4.467342						
869000	3.974482	4.50127						
870000	4.076759	4.409998						
871000	3.700963	4.41916						
872000	3.994811	3.704077						
873000	3.954971	4.36128						
874000	3.726725	4.46483						
875000	4.257078	4.200097						
876000	3.866954	4.331847						
877000	3.835445	4.344294						
878000	3.466888	4.394504						
879000	3.743729	4.324339						
880000	4.05762	4.622929						
881000	3.843374	4.452644						
882000	3.952883	4.407059						
883000	3.857591	4.65309						
884000	3.905936	4.036749						
885000	3.842458	4.73527						
886000	3.732545	4.444676						
887000	3.957459	4.452643						
888000	3.901882	4.394568						
889000	3.998917	4.607079						
890000	3.8105	4.142343						
891000	3.823431	4.133503						
892000	4.013056	3.906373						
893000	3.634735	4.775114						
894000	3.670037	4.621404						
895000	3.456116	4.634515						



896000	3.602216	4.448575						
897000	3.583168	4.408105						
898000	3.803341	4.493229						
899000	3.605493	4.361051						
900000	3.927084	4.330859						
901000	3.805817	4.475125						
902000	3.865053	4.822283						
903000	3.69813	5.549891						
904000	3.734037	3.688572						
905000	3.851006	5.650201						
906000	4.288519	4.425579						
907000	4.632877	4.547719						
908000	3.881391	3.946175						
909000	3.688518	4.377599						
910000	4.133888	4.646377						
911000	3.687652	4.052204						
912000	3.853469	4.150342						
913000	3.934282	4.433028						
914000	3.73033	4.389006						
915000	3.693634	4.342858						
916000	3.197256	4.406036						
917000	3.834132	4.36094						
918000	3.095063	4.415527						
919000	3.37927	4.409378						
920000	3.966319	4.345982						
921000	3.693966	4.434324						
922000	4.11421	4.249721						
923000	4.163251	4.590876						
924000	3.808693	4.337582						
925000	3.875318	4.686518						
926000	3.73309	4.742864						
927000	3.811316	4.526158						

928000	4.111385	4.203667						
929000	3.816859	4.882699						
930000	3.849137	4.95477						
931000	3.70144	3.921584						
932000	3.693763	4.636402						
933000	3.955909	4.315857						
934000	3.737831	4.303201						
935000	3.823548	4.894719						
936000	3.445621	4.280622						
937000	3.825582	4.384513						
938000	3.979342	4.570393						
939000	3.594586	4.410675						
940000	3.850387	4.613871						
941000	3.580006	4.542428						
942000	3.702405	4.348239						
943000	4.246689	4.217769						
944000	3.730332	4.252259						
945000	3.792382	4.715404						
946000	3.615256	4.281452						
947000	3.810457	4.253667						
948000	3.662174	4.436047						
949000	3.835466	3.860632						
950000	3.569228	4.216534						
951000	3.72054	4.246701						
952000	3.899993	4.60094						
953000	4.069884	4.442132						
954000	3.735567	4.575564						
955000	4.276063	4.782228						
956000	3.823453	4.793954						
957000	3.757025	4.570889						
958000	3.504616	4.503822						
959000	3.637418	4.72899						

960000	3.892889	3.866722						
961000	3.474345	4.467337						
962000	3.757704	5.002282						
963000	3.698194	4.417719						
964000	3.858051	4.403652						
965000	4.114818	4.096025						
966000	3.742537	4.508981						
967000	4.315594	4.665101						
968000	3.737571	4.018859						
969000	3.669181	4.706679						
970000	3.525629	4.412765						
971000	3.520795	3.561211						
972000	3.921906	3.598583						
973000	3.736332	4.532396						
974000	5.228127	3.503421						
975000	4.060141	4.61831						
976000	3.878954	4.706592						
977000	3.943516	4.433166						
978000	3.781924	4.457104						
979000	3.542711	4.449171						
980000	3.742546	4.349798						
981000	3.664096	4.640424						
982000	3.693181	4.567615						
983000	3.682396	4.569144						
984000	3.741728	4.008901						
985000	3.674214	4.273686						
986000	3.652135	4.398522						
987000	3.744741	3.832145						
988000	3.748178	4.452764						
989000	3.476717	4.187452						
990000	3.912318	4.371968						
991000	3.746403	4.168713						

992000	3.860241	4.116063						
993000	3.812839	4.290708						
994000	3.815709	4.315822						
995000	3.779196	4.174345						
996000	3.841021	4.283215						
997000	3.903701	4.352981						
998000	3.912867	4.389404						
999000	4.097668	4.531595						
1000000	3.898478	4.43904						
1001000	3.782113	4.41966						
1002000	3.339032	4.404403						
1003000	3.6767	4.493916						
1004000	4.077024	4.404714						
1005000	3.835076	4.221118						
1006000	3.903475	4.609287						
1007000	3.652913	4.384893						
1008000	3.896273	4.588807						
1009000	3.66643	4.5308						
1010000	3.773953	4.392767						
1011000	4.053601	4.397578						
1012000	3.841133	4.627087						
1013000	3.882846	4.64003						
1014000	3.804653	4.414288						
1015000	3.89658	4.436899						
1016000	3.6256	4.251471						
1017000	3.512476	4.462604						
1018000	3.765436	4.426174						
1019000	3.826607	3.707292						
1020000	3.77026	4.152742						
1021000	3.579692	4.359984						
1022000	3.304185	4.143381						
1023000	3.462807	4.6337						

1024000	3.384045	4.459507						
1025000	3.561049	4.512052						
1026000	3.671823	4.702239						
1027000	3.678631	4.080148						
1028000	3.675767	4.646491						
1029000	3.663141	4.190914						
1030000	3.711364	4.322343						
1031000	3.717993	4.6066						
1032000	3.51716	4.369569						
1033000	3.619554	3.955756						
1034000	4.043132	4.453952						
1035000	3.841031	4.468251						
1036000	3.855458	4.047918						
1037000	3.80264	4.463218						
1038000	3.865954	4.617923						
1039000	3.690812	4.37505						
1040000	3.792895	4.46326						
1041000	3.907003	4.44342						
1042000	3.6256	4.410369						
1043000	3.624103	4.37276						
1044000	3.631578	4.488091						
1045000	3.632588	4.280112						
1046000	3.630258	4.500658						
1047000	3.441724	4.697997						
1048000	3.468257	4.423135						
1049000	3.720342	4.558249						
1050000	3.740332	4.405608						
1051000	3.807582	4.270394						
1052000	3.784684	4.014493						
1053000	3.778683	4.219661						
1054000	3.759064	4.516841						
1055000	3.882073	4.423944						

1056000	3.85446	4.730102						
1057000	3.437039	4.364954						
1058000	3.491362	4.515048						
1059000	3.606781	4.454142						
1060000	3.721407	4.437489						
1061000	3.820196	4.487343						
1062000	3.778713	4.547467						
1063000	3.692138	4.340939						
1064000	3.5797	4.065122						
1065000	3.652543	4.623252						
1066000	3.628662	4.208522						
1067000	3.568834	4.544715						
1068000	3.356334	4.310814						
1069000	3.62155	4.320831						
1070000	3.577841	4.129674						
1071000	3.474737	4.656476						
1072000	3.758234	4.468242						
1073000	3.714855	4.564598						
1074000	3.749646	4.894655						
1075000	3.64722	4.606875						
1076000	3.773231	4.497853						
1077000	3.696103	3.950845						
1078000	3.745451	4.497202						
1079000	3.486747	4.445076						
1080000	3.871596	4.518399						
1081000	3.682695	4.427829						
1082000	3.859487	4.254118						
1083000	3.869312	4.587013						
1084000	3.751532	4.49344						
1085000	3.918093	4.429745						
1086000	3.744568	3.984685						
1087000	3.603915	4.554013						

1088000	3.729564	4.388144						
1089000	3.732682	4.658431						
1090000	3.745246	4.503641						
1091000	3.724398	4.569718						
1092000	3.317041	4.293411						
1093000	3.572801	4.480776						
1094000	3.72285	4.501291						
1095000	3.730241	4.59356						
1096000	3.902734	4.399525						
1097000	3.494824	4.040838						
1098000	4.020267	4.388097						
1099000	3.763092	4.466076						
1100000	3.912795	4.689092						
1101000	3.638829	4.381967						
1102000	3.597995	4.436866						
1103000	3.763425	4.567226						
1104000	3.779809	4.62705						
1105000	3.550365	4.381337						
1106000	3.790588	4.386514						
1107000	3.398187	4.341779						
1108000	3.614457	4.439414						
1109000	3.24555	4.383929						
1110000	3.601454	4.47134						
1111000	3.736854	4.534833						
1112000	3.4888	4.467024						
1113000	3.712989	4.367961						
1114000	3.607422	4.104801						
1115000	3.735271	4.247221						
1116000	3.72415	4.574518						
1117000	3.782709	4.563636						
1118000	3.314057	3.909316						
1119000	3.640588	4.575986						

1120000	3.727418	4.147887						
1121000	3.754673	4.841618						
1122000	3.817851	4.471868						
1123000	3.84788	4.788531						
1124000	3.760048	4.316748						
1125000	3.615793	4.663169						
1126000	3.757517	4.420723						
1127000	3.827924	4.582908						
1128000	3.715172	4.249587						
1129000	3.804037	4.597544						
1130000	3.878989	4.414026						
1131000	3.715992	4.536345						
1132000	3.301211	4.543748						
1133000	3.84095	4.46619						
1134000	3.969093	4.237943						
1135000	3.630565	4.617328						
1136000	3.930258	4.534369						
1137000	3.663731	4.498286						
1138000	4.000666	4.414606						
1139000	3.354417	4.633097						
1140000	3.83401	4.044635						
1141000	3.670322	4.195666						
1142000	3.894106	4.22274						
1143000	3.851775	4.431775						
1144000	3.865084	4.391832						
1145000	3.644119	4.461802						
1146000	3.726755	4.174542						
1147000	3.721854	4.611934						
1148000	3.769336	4.217604						
1149000	3.651957	4.758901						
1150000	3.393101	4.451398						
1151000	3.449922	4.555887						



1152000	3.639317	4.511091						
1153000	3.601345	4.567314						
1154000	3.613817	4.282692						
1155000	3.567212	4.429087						
1156000	3.675362	4.611495						
1157000	3.35933	4.408562						
1158000	3.797219	4.507447						
1159000	3.608303	4.275149						
1160000	3.688088	4.530755						
1161000	3.59245	4.476206						
1162000	3.689486	4.517651						
1163000	3.36204	4.44413						
1164000	3.668408	4.275689						
1165000	3.503394	4.214334						
1166000	3.758946	4.475224						
1167000	3.577517	4.491955						
1168000	3.763319	4.56238						
1169000	3.400688	4.588437						
1170000	3.741349	4.591263						
1171000	3.633082	4.46801						
1172000	3.838716	4.457067						
1173000	3.500532	4.421462						
1174000	3.339363	4.667808						
1175000	3.374128	4.452477						
1176000	3.749945	4.444503						
1177000	3.634412	4.402436						
1178000	3.720116	4.465083						
1179000	3.442392	4.545322						
1180000	3.160389	4.362784						
1181000	3.327058	4.320516						
1182000	3.921346	4.468273						
1183000	3.329993	4.44989						

1184000	3.407732	4.665261						
1185000	3.567524	4.662088						
1186000	3.879642	4.481081						
1187000	3.322545	4.281946						
1188000	3.920345	4.455762						
1189000	3.402604	4.530242						
1190000	3.753115	4.65162						
1191000	3.565028	4.341309						
1192000	3.678087	4.541053						
1193000	3.489146	4.5726						
1194000	3.608029	4.613823						
1195000	3.448315	4.241383						
1196000	3.672543	4.457811						
1197000	3.513593	4.394934						
1198000	3.46274	4.641993						
1199000	3.65383	4.414512						
1200000	3.656024	4.074723						
1201000	3.729116	4.304271						
1202000	3.740026	4.323281						
1203000	3.542063	4.453277						
1204000	3.642414	4.632187						
1205000	4.456481	4.357345						
1206000	3.91291	5.458181						
1207000	3.872655	4.653868						
1208000	3.765515	4.351163						
1209000	3.928804	4.680029						
1210000	3.877925	4.513707						
1211000	3.860976	4.486919						
1212000	3.895965	4.463815						
1213000	3.866069	4.561199						
1214000	3.628804	4.461657						
1215000	3.635461	4.440109						

1216000	3.67476	4.447382						
1217000	3.337388	4.57509						
1218000	3.68115	4.423301						
1219000	3.341359	4.42862						
1220000	3.60236	4.568874						
1221000	3.668581	4.489827						
1222000	3.802391	4.602374						
1223000	3.757101	4.482005						
1224000	3.876078	4.774329						
1225000	3.678697	4.519028						
1226000	3.493062	4.572748						
1227000	3.811248	4.501117						
1228000	3.973288	4.269641						
1229000	3.809253	4.538087						
1230000	3.811037	4.12281						
1231000	3.75875	4.538914						
1232000	3.826733	4.451543						
1233000	3.713785	4.589255						
1234000	3.74261	4.340437						
1235000	3.650995	4.216434						
1236000	3.471294	4.071994						
1237000	3.464934	4.563833						
1238000	3.252774	4.452561						
1239000	3.755642	4.581933						
1240000	3.170709	4.406952						
1241000	3.55333	4.640431						
1242000	3.587409	4.482196						
1243000	3.449259	4.619014						
1244000	3.574672	4.481261						
1245000	3.631615	4.257687						
1246000	3.725995	4.387675						
1247000	3.813574	4.213136						

1248000	3.645997	4.657057						
1249000	3.848814	4.443491						
1250000	3.536067	4.480646						
1251000	3.38861	4.46548						
1252000	3.734119	4.403192						
1253000	3.886506	4.438192						
1254000	3.934217	4.356261						
1255000	3.236546	4.371142						
1256000	3.712851	4.586501						
1257000	3.60518	4.547869						
1258000	3.800146	4.530252						
1259000	3.437374	3.79587						
1260000	3.665931	4.082094						
1261000	3.671887	4.524834						
1262000	3.540523	4.395126						
1263000	3.537472	3.978577						
1264000	3.860873	4.243734						
1265000	3.623893	4.533028						
1266000	3.715032	4.473547						
1267000	3.765599	4.548161						
1268000	3.425532	4.4484						
1269000	5.561108	4.846268						
1270000	3.478537	4.204886						
1271000	4.316883	4.707516						
1272000	3.853881	4.854623						
1273000	3.967911	4.693777						
1274000	4.345123	4.557474						
1275000	3.911679	4.286038						
1276000	3.917387	4.359741						
1277000	3.758508	4.494563						
1278000	3.686623	4.462797						
1279000	3.531912	4.290551						

1280000	3.413342	4.595758						
1281000	3.514396	4.680019						
1282000	3.759159	4.446279						
1283000	3.531486	4.52858						
1284000	3.562329	4.678852						
1285000	3.623849	4.453861						
1286000	3.705354	4.463913						
1287000	3.682701	4.664656						
1288000	3.515189	4.458169						
1289000	3.65455	4.451045						
1290000	2.967414	4.449478						
1291000	3.539968	4.019641						
1292000	3.777859	4.25155						
1293000	3.50664	4.549427						
1294000	3.721355	3.728864						
1295000	3.940179	4.307084						
1296000	3.467547	4.62492						
1297000	3.604937	4.236349						
1298000	3.817401	4.551513						
1299000	3.532776	4.416641						
1300000	3.41806	3.780179						
1301000	3.693297	4.5122						
1302000	3.551014	4.483705						
1303000	3.630879	3.992023						
1304000	3.88147	4.586216						
1305000	3.810356	4.681019						
1306000	3.534976	4.429637						
1307000	3.728342	4.7748						
1308000	3.625353	4.536713						
1309000	3.735222	4.210107						
1310000	3.716804	4.463459						
1311000	3.805414	4.461479						

1312000	3.532243	4.257756						
1313000	3.537249	4.478593						
1314000	3.832882	4.532318						
1315000	3.673187	4.546692						
1316000	3.71966	4.821416						
1317000	3.20401	4.579768						
1318000	3.788112	4.263119						
1319000	3.531702	4.182918						
1320000	3.554411	4.189277						
1321000	3.692412	4.746015						
1322000	3.557631	4.390084						
1323000	3.373973	4.634176						
1324000	3.631846	4.413028						
1325000	3.592978	4.323643						
1326000	3.328827	4.608646						
1327000	3.710607	4.45646						
1328000	3.723938	4.603822						
1329000	3.535888	4.529381						
1330000	3.759921	4.635643						
1331000	3.574371	4.536178						
1332000	3.451612	4.271941						
1333000	3.654957	4.465489						
1334000	3.867158	4.436714						
1335000	3.762154	4.228462						
1336000	3.531617	4.393232						
1337000	3.453325	4.609129						
1338000	3.788481	4.601616						
1339000	3.698736	3.928971						
1340000	3.446482	4.137023						
1341000	3.858845	5.566534						
1342000	3.951753	5.002974						
1343000	3.975801	4.734675						

1344000	3.750577	4.588233						
1345000	3.726064	4.648311						
1346000	3.868037	4.127507						
1347000	3.916499	4.591531						
1348000	3.881946	4.322949						
1349000	3.81472	4.546059						
1350000	3.655607	4.387187						
1351000	3.64627	4.239143						
1352000	3.698844	4.569462						
1353000	3.804021	4.222214						
1354000	3.68988	4.630798						
1355000	3.719055	4.57511						
1356000	3.759068	4.498855						
1357000	3.657132	4.594857						
1358000	3.744209	4.597925						
1359000	3.620341	4.542319						
1360000	4.032797	4.486542						
1361000	3.410998	3.988625						
1362000	3.698719	4.389927						
1363000	3.27553	4.444053						
1364000	3.640188	4.520064						
1365000	3.635444	4.059795						
1366000	3.57585	4.466437						
1367000	3.735047	4.26943						
1368000	3.462378	4.506696						
1369000	3.602665	4.401622						
1370000	3.444462	4.4484						
1371000	3.653356	4.410347						
1372000	3.792047	4.443904						
1373000	3.498683	4.545236						
1374000	3.534229	4.307772						
1375000	3.776715	4.665796						

1376000	3.634475	4.438623						
1377000	3.802586	4.406739						
1378000	3.458924	4.661425						
1379000	3.672426	4.442907						
1380000	3.824305	4.635972						
1381000	3.633856	4.473685						
1382000	3.631766	4.479567						
1383000	3.700434	4.573995						
1384000	3.945314	4.441429						
1385000	3.728478	4.152252						
1386000	3.445569	4.380885						
1387000	3.689349	4.588532						
1388000	3.513918	4.558294						
1389000	3.835839	4.493771						
1390000	3.735146	4.495259						
1391000	3.552819	4.373664						
1392000	3.750629	4.744593						
1393000	3.104668	4.593252						
1394000	3.776178	4.430364						
1395000	3.616627	4.386795						
1396000	3.656775	4.484467						
1397000	3.779042	4.733431						
1398000	3.655611	4.579318						
1399000	3.889144	4.477169						
1400000	3.656569	4.261952						
1401000	3.783728	4.555586						
1402000	3.779638	4.487067						
1403000	3.717028	4.170011						
1404000	3.776021	4.277208						
1405000	3.631882	4.532092						
1406000	3.659439	4.380691						
1407000	3.238793	4.834128						



1408000	3.405368	4.51685						
1409000	3.517709	4.555323						
1410000	3.540462	4.114244						
1411000	3.369401	4.354182						
1412000	3.463337	4.334105						
1413000	3.61362	4.555023						
1414000	3.468999	4.341098						
1415000	3.554695	4.316627						
1416000	3.659237	4.384439						
1417000	3.695582	4.818669						
1418000	2.967767	4.481894						
1419000	3.707298	4.396089						
1420000	3.733854	4.604409						
1421000	3.208813	4.260836						
1422000	3.733088	4.565008						
1423000	3.590205	4.55197						
1424000	3.89996	4.371396						
1425000	3.600348	4.549267						
1426000	3.661011	4.450503						
1427000	3.644187	4.394488						
1428000	3.758876	4.500804						
1429000	3.815979	4.463769						
1430000	3.635328	4.327531						
1431000	3.619371	4.513519						
1432000	3.710382	4.005862						
1433000	3.70027	4.441232						
1434000	3.719133	4.210404						
1435000	3.793521	4.577295						
1436000	3.430832	4.57355						
1437000	3.80505	4.54516						
1438000	3.741809	4.30016						
1439000	3.676138	4.405979						

1440000	3.815038	4.608002						
1441000	3.738502	4.180808						
1442000	4.003909	4.400152						
1443000	3.7155	4.223459						
1444000	3.652686	4.594359						
1445000	3.603804	4.169927						
1446000	3.647983	4.568638						
1447000	3.745637	4.415706						
1448000	3.635169	4.604354						
1449000	3.456289	4.680125						
1450000	3.663457	4.480664						
1451000	3.429838	4.456804						
1452000	3.465488	4.396724						
1453000	3.210385	4.714353						
1454000	3.536755	4.515873						
1455000	3.679527	4.472552						
1456000	3.641833	4.578547						
1457000	3.597673	4.63105						
1458000	3.635424	4.216838						
1459000	3.528419	4.33414						
1460000	3.635188	4.423618						
1461000	3.796103	4.634361						
1462000	3.601401	4.179376						
1463000	3.714169	4.581378						
1464000	3.642806	4.445221						
1465000	3.627987	4.335001						
1466000	3.555202	4.301172						
1467000	3.579553	4.068083						
1468000	3.855608	4.46569						
1469000	3.78051	4.528226						
1470000	3.693912	4.442559						
1471000	3.69513	4.566852						

1472000	3.761773	4.502127						
1473000	3.484665	4.50962						
1474000	3.528092	4.442788						
1475000	3.749764	4.354352						
1476000	3.546482	4.395053						
1477000	3.851147	4.499748						
1478000	3.578833	4.613922						
1479000	3.75199	4.495906						
1480000	3.527427	4.665049						
1481000	3.669422	4.558236						
1482000	3.326376	4.458804						
1483000	3.706694	4.204342						
1484000	3.479724	4.424138						
1485000	3.935148	4.490838						
1486000	3.749411	4.653147						
1487000	3.795322	4.423217						
1488000	3.7856	4.513808						
1489000	3.776936	4.507131						
1490000	3.64951	4.413756						
1491000	3.566328	4.549943						
1492000	3.493207	4.3268						
1493000	3.64646	4.407064						
1494000	3.387959	4.289774						
1495000	3.133776	4.472066						
1496000	3.327118	4.266343						
1497000	3.448298	4.481631						
1498000	3.600544	4.416126						
1499000	3.544591	4.681843						
1500000	3.603143	4.499229						
1501000	3.79948	4.486422						
1502000	3.588093	4.461998						
1503000	3.609017	4.667257						

1504000	3.75424	4.221236						
1505000	3.549193	4.224783						
1506000	3.478455	4.368648						
1507000	3.54053	4.175861						
1508000	3.851858	4.436651						
1509000	5.2902	3.873279						
1510000	3.669925	4.66489						
1511000	3.726873	4.701866						
1512000	3.703119	4.746788						
1513000	3.724962	4.599328						
1514000	3.892858	4.577394						
1515000	3.802255	4.620006						
1516000	3.762495	4.526694						
1517000	3.767965	4.533653						
1518000	3.618654	4.51788						
1519000	3.486319	4.537446						
1520000	3.732719	4.327099						
1521000	3.64567	4.449432						
1522000	3.756181	4.498613						
1523000	3.734966	4.08698						
1524000	3.797192	4.526017						
1525000	3.5228	4.178051						
1526000	3.730698	4.50373						
1527000	3.850718	4.52448						
1528000	3.706303	4.6105						
1529000	3.665142	4.285839						
1530000	3.752328	4.379832						
1531000	3.653289	4.717998						
1532000	3.372602	4.238479						
1533000	3.578805	4.439256						
1534000	3.592932	4.193715						
1535000	2.984955	4.563838						

1536000	3.41957	4.322071						
1537000	3.345391	4.482768						
1538000	3.219993	4.482185						
1539000	3.530858	3.897255						
1540000	3.491655	4.384624						
1541000	3.351382	4.390194						
1542000	3.707014	3.932429						
1543000	3.718131	4.533998						
1544000	3.276272	4.650137						
1545000	3.645659	4.405851						
1546000	3.600318	4.562645						
1547000	3.809455	4.595695						
1548000	3.650833	4.453962						
1549000	3.807422	4.493719						
1550000	3.794147	4.37825						
1551000	3.425597	4.715338						
1552000	3.747098	4.411828						
1553000	3.618857	4.426942						
1554000	3.598626	4.578338						
1555000	3.750858	4.544554						
1556000	3.737708	4.489648						
1557000	3.728722	4.091837						
1558000	3.531438	4.169573						
1559000	3.675864	4.41573						
1560000	3.688867	4.355968						
1561000	3.636604	4.544988						
1562000	3.789345	4.410545						
1563000	3.419401	4.651602						
1564000	3.606248	4.599808						
1565000	3.636006	4.226477						
1566000	3.699652	4.689694						
1567000	3.686717	4.328126						

1568000	3.661478	4.467412						
1569000	3.691485	4.223328						
1570000	3.76166	4.088766						
1571000	3.939429	4.42758						
1572000	3.699814	4.535375						
1573000	3.720695	4.54758						
1574000	3.77773	4.47279						
1575000	3.39148	4.494202						
1576000	3.614555	4.326922						
1577000	3.636563	4.146366						
1578000	3.510753	4.803952						
1579000	3.461451	4.560741						
1580000	2.964	4.317098						
1581000	3.482121	4.133567						
1582000	3.605009	4.232271						
1583000	3.542345	4.456204						
1584000	3.58043	4.100184						
1585000	3.738977	4.392521						
1586000	3.497354	4.54071						
1587000	3.475238	4.171478						
1588000	3.438733	4.510736						
1589000	3.480797	4.594939						
1590000	3.692068	4.609378						
1591000	3.649065	4.288878						
1592000	3.605307	4.200869						
1593000	3.524338	4.450172						
1594000	3.605829	4.503899						
1595000	3.726403	4.401261						
1596000	3.779335	4.455122						
1597000	3.631028	4.709467						
1598000	3.584229	4.153447						
1599000	3.736947	4.540457						

1600000	3.653059	4.57843						
1601000	3.599398	4.568327						
1602000	3.174948	4.528043						
1603000	3.649702	4.655186						
1604000	3.575435	4.607626						
1605000	3.668634	4.538262						
1606000	3.642246	4.092737						
1607000	3.600074	4.630628						
1608000	3.296507	4.521933						
1609000	3.764084	4.587249						
1610000	3.640185	4.645338						
1611000	3.675207	4.219229						
1612000	3.647278	4.42495						
1613000	3.563368	4.668729						
1614000	3.783618	4.419621						
1615000	3.556381	4.460551						
1616000	3.500411	4.625045						
1617000	3.691026	4.494861						
1618000	3.477255	4.509314						
1619000	3.433114	4.34471						
1620000	3.493986	4.205326						
1621000	3.348333	4.602259						
1622000	3.538863	4.395189						
1623000	3.535544	4.908318						
1624000	3.36397	4.312704						
1625000	3.624432	4.462831						
1626000	3.56682	4.385574						
1627000	3.702235	4.451281						
1628000	3.720444	4.55663						
1629000	3.693608	4.54557						
1630000	3.58066	4.536017						
1631000	3.602093	4.606752						

1632000	3.637419	4.241041						
1633000	3.670936	4.298327						
1634000	3.313479	4.529773						
1635000	3.785896	4.384256						
1636000	3.593124	4.526065						
1637000	3.706397	4.552211						
1638000	3.827237	4.344333						
1639000	3.788302	4.740093						
1640000	3.770008	4.475324						
1641000	3.753594	4.388861						
1642000	3.676798	4.437964						
1643000	3.646115	4.569872						
1644000	3.272222	4.185167						
1645000	3.229819	4.574594						
1646000	3.631887	4.499643						
1647000	3.634857	4.330876						
1648000	3.550684	4.456337						
1649000	3.729979	4.651628						
1650000	3.631109	4.468833						
1651000	3.450249	4.60839						
1652000	3.768636	4.363219						
1653000	3.637594	4.567328						
1654000	3.508639	4.45861						
1655000	3.881293	4.46462						
1656000	3.765912	4.618388						
1657000	3.690108	4.557688						
1658000	3.836989	4.714988						
1659000	3.806927	4.263958						
1660000	3.580156	4.190269						
1661000	3.171799	4.386619						
1662000	3.558875	4.407355						
1663000	3.434156	4.438083						



1664000	3.306929	4.396278						
1665000	3.669851	4.546169						
1666000	3.709566	4.4116						
1667000	3.279309	4.150413						
1668000	3.392172	4.343381						
1669000	3.62062	4.383248						
1670000	3.688437	4.576196						
1671000	3.662789	4.437302						
1672000	3.747515	4.456915						
1673000	3.422808	4.116586						
1674000	3.370564	4.630723						
1675000	3.470977	4.271682						
1676000	3.753823	4.433873						
1677000	3.719519	4.546828						
1678000	3.722104	4.393709						
1679000	3.752007	4.538716						
1680000	3.630454	4.08327						
1681000	3.737332	4.424487						
1682000	3.440379	4.389397						
1683000	3.797771	4.368298						
1684000	3.381407	4.558294						
1685000	3.642202	4.461612						
1686000	3.701103	4.339331						
1687000	3.689829	4.2519						
1688000	3.670093	4.500669						
1689000	3.578725	4.347206						
1690000	3.689676	4.338754						
1691000	3.495283	4.491135						
1692000	3.746558	4.376294						
1693000	3.652762	4.561082						
1694000	3.639569	3.957289						
1695000	3.73512	4.642197						

1696000	3.731514	4.329433						
1697000	3.797435	4.431753						
1698000	3.513595	4.590046						
1699000	3.607014	4.426312						
1700000	3.510619	4.470723						
1701000	3.76529	4.307937						
1702000	3.514812	4.564207						
1703000	3.633085	4.540288						
1704000	3.630453	4.348997						
1705000	3.243259	4.53697						
1706000	3.589639	4.639329						
1707000	3.364333	4.295635						
1708000	2.970418	4.463489						
1709000	3.395148	4.679254						
1710000	3.533373	4.473121						
1711000	3.607482	4.483051						
1712000	3.620519	4.56716						
1713000	3.503141	4.469308						
1714000	3.790883	4.54138						
1715000	3.566938	4.417269						
1716000	3.807438	4.451683						
1717000	3.477357	4.514078						
1718000	3.84378	4.471405						
1719000	3.859285	4.187588						
1720000	3.701341	4.512483						
1721000	3.396774	4.689501						
1722000	3.878763	4.44683						
1723000	3.74965	4.554655						
1724000	3.810111	4.432223						
1725000	3.358428	4.500892						
1726000	3.750644	4.464452						
1727000	3.67127	4.62971						

1728000	3.767316	4.19567						
1729000	3.230652	4.352395						
1730000	3.734918	4.665652						
1731000	3.610192	4.668121						
1732000	3.525546	4.373711						
1733000	3.235456	4.136172						
1734000	3.654244	4.487809						
1735000	3.684467	4.691215						
1736000	3.698455	4.444962						
1737000	3.512521	4.432286						
1738000	3.847552	4.363505						
1739000	3.686131	4.685813						
1740000	3.718857	4.509502						
1741000	3.620628	4.131106						
1742000	3.747097	4.276822						
1743000	3.735038	4.723513						
1744000	3.851115	4.450374						
1745000	3.443395	4.14983						
1746000	3.422022	4.085813						
1747000	3.52495	4.551805						
1748000	3.59941	4.667235						
1749000	3.554732	4.441793						
1750000	3.345049	4.125162						
1751000	3.409067	4.841738						
1752000	3.599106	4.310588						
1753000	3.680555	4.40017						
1754000	3.596378	3.9932						
1755000	3.365074	4.393775						
1756000	3.632306	4.585745						
1757000	3.696183	4.505128						
1758000	3.653031	4.389547						
1759000	3.750657	4.273518						

1760000	3.549907	4.546752						
1761000	3.864686	4.572263						
1762000	3.823334	4.251241						
1763000	3.680479	4.641043						
1764000	3.538629	4.28706						
1765000	3.617762	4.621865						
1766000	3.691556	4.067958						
1767000	3.725274	4.747041						
1768000	3.788709	4.530155						
1769000	3.656653	4.039055						
1770000	3.808119	4.28656						
1771000	3.619078	4.684845						
1772000	3.624443	4.298311						
1773000	3.550099	4.401192						
1774000	3.619052	4.463006						
1775000	3.664903	4.753771						
1776000	3.755782	4.429943						
1777000	3.414966	4.470548						
1778000	3.732061	4.472858						
1779000	3.503405	4.319692						
1780000	3.679391	4.572337						
1781000	3.77902	4.480375						
1782000	3.884584	4.421254						
1783000	3.747309	4.23969						
1784000	3.73304	4.34606						
1785000	3.549479	4.540556						
1786000	3.878311	4.469982						
1787000	3.614457	4.173839						
1788000	3.776477	4.177695						
1789000	3.600198	4.367597						
1790000	3.373637	4.469744						
1791000	3.446933	5.052634						

1792000	3.583124	4.252234						
1793000	3.314301	4.75728						
1794000	3.950728	4.693073						
1795000	3.663919	4.595176						
1796000	3.809743	4.358854						
1797000	3.679034	4.512533						
1798000	3.723214	4.361427						
1799000	3.556891	4.473283						
1800000	3.46527	4.476753						
1801000	3.495278	4.67907						
1802000	3.75373	4.608607						
1803000	3.585571	4.42983						
1804000	3.662976	4.516076						
1805000	3.616644	4.199336						
1806000	3.50921	4.062744						
1807000	3.589846	4.213154						
1808000	3.915253	4.577223						
1809000	3.798581	4.519125						
1810000	3.755089	4.586268						
1811000	3.655281	4.657524						
1812000	3.520815	4.117321						
1813000	3.565299	4.479402						
1814000	3.523248	4.203872						
1815000	3.525591	4.773432						
1816000	3.711323	4.390527						
1817000	3.826617	4.501179						
1818000	3.706375	4.531736						
1819000	3.540259	4.738486						
1820000	3.461007	4.162489						
1821000	3.430289	4.49873						
1822000	3.724611	4.489635						
1823000	3.694468	4.461664						

1824000	3.805709	4.505026						
1825000	3.741054	4.695648						
1826000	3.663291	4.303641						
1827000	3.600735	4.465485						
1828000	3.438545	4.53617						
1829000	3.723664	4.590536						
1830000	3.376694	4.418755						
1831000	3.71547	4.574287						
1832000	3.611698	4.229269						
1833000	3.43228	4.150308						
1834000	3.366285	4.198063						
1835000	3.236593	4.515202						
1836000	3.584817	4.428687						
1837000	3.588984	4.449803						
1838000	3.553226	4.438817						
1839000	3.418198	4.572085						
1840000	3.640668	4.365191						
1841000	3.664016	4.213873						
1842000	3.485127	4.589544						
1843000	3.578951	4.649266						
1844000	3.335493	4.591723						
1845000	3.077897	4.559059						
1846000	3.628946	4.117332						
1847000	3.620354	4.589089						
1848000	3.74097	4.476833						
1849000	3.36072	4.491078						
1850000	3.632536	4.309572						
1851000	3.458487	4.843057						
1852000	3.80965	4.639509						
1853000	3.701657	4.604995						
1854000	3.763056	4.537061						
1855000	3.672153	4.61711						

1856000	3.708447	4.661331						
1857000	3.624197	4.524587						
1858000	3.518363	4.466323						
1859000	3.426547	4.679107						
1860000	3.650933	4.371683						
1861000	3.580913	4.603887						
1862000	3.587927	4.625636						
1863000	3.485126	4.630647						
1864000	3.300608	4.399111						
1865000	3.805413	5.051767						
1866000	3.540239	4.043854						
1867000	3.747296	4.534594						
1868000	3.758076	4.369279						
1869000	3.784577	4.675276						
1870000	3.625271	4.1564						
1871000	3.633021	4.337306						
1872000	3.899543	4.565774						
1873000	3.66899	4.722162						
1874000	3.66649	4.609904						
1875000	3.522733	4.302133						
1876000	3.575942	4.506232						
1877000	3.585699	4.504094						
1878000	3.565597	4.566734						
1879000	3.50521	4.674986						
1880000	3.497901	4.200934						
1881000	3.331651	4.349955						
1882000	3.00583	4.25905						
1883000	3.457643	4.08256						
1884000	3.568248	4.69287						
1885000	3.563406	4.638363						
1886000	3.518401	4.518575						
1887000	3.702259	4.5127						

1888000	3.680236	4.210907						
1889000	3.632149	4.548386						
1890000	3.741245	4.49902						
1891000	3.336721	4.300139						
1892000	3.77941	4.616113						
1893000	3.676374	4.159405						
1894000	3.365278	4.402393						
1895000	3.453627	4.340263						
1896000	3.553623	4.263637						
1897000	3.688953	4.412068						
1898000	3.81658	4.51243						
1899000	3.635862	4.61803						
1900000	3.708491	4.407773						
1901000	3.581851	4.582304						
1902000	3.752988	4.498352						
1903000	3.790977	4.585511						
1904000	3.68683	4.463839						
1905000	3.622688	4.683985						
1906000	3.728797	4.509982						
1907000	3.463977	4.275802						
1908000	3.783824	4.529205						
1909000	3.663961	4.37959						
1910000	3.463595	4.309822						
1911000	3.488903	4.210097						
1912000	3.510985	4.463576						
1913000	3.791716	4.556446						
1914000	3.748636	4.549961						
1915000	3.711942	4.677468						
1916000	3.703316	4.592996						
1917000	3.50812	4.586173						
1918000	3.571649	4.576943						
1919000	3.120684	4.535176						



1920000	3.538042	4.203109						
1921000	3.475618	4.676932						
1922000	3.591696	4.52096						
1923000	3.518386	4.49002						
1924000	3.711986	4.453335						
1925000	3.648843	4.498149						
1926000	3.592148	4.419496						
1927000	3.710025	4.604605						
1928000	3.617529	4.606454						
1929000	3.493841	4.567086						
1930000	3.748376	4.439254						
1931000	3.579319	4.312625						
1932000	3.417572	4.288256						
1933000	3.492933	4.372059						
1934000	3.662178	4.227624						
1935000	3.761155	4.342034						
1936000	3.805344	4.498236						
1937000	3.49866	4.374349						
1938000	3.702684	4.42556						
1939000	3.617546	4.576749						
1940000	3.624845	4.482926						
1941000	3.557857	4.614743						
1942000	3.651162	4.418703						
1943000	3.65358	4.298498						
1944000	3.594461	4.638904						
1945000	3.633585	4.581095						
1946000	3.472187	4.644298						
1947000	3.758723	4.684273						
1948000	3.645714	4.478864						
1949000	3.679595	4.48009						
1950000	3.684428	4.657235						
1951000	3.707928	4.496488						

1952000	3.405296	4.621355						
1953000	3.776913	4.239672						
1954000	3.851927	4.545964						
1955000	3.832496	4.409869						
1956000	3.728561	4.727786						
1957000	3.708735	4.553468						
1958000	3.532724	4.630544						
1959000	3.729253	4.490471						
1960000	3.44437	4.388707						
1961000	3.544554	4.083754						
1962000	3.480632	4.617061						
1963000	3.4012	4.590722						
1964000	3.536029	4.563177						
1965000	3.639654	4.376521						
1966000	3.69683	4.405848						
1967000	3.647923	4.346518						
1968000	3.500917	4.389335						
1969000	3.686602	4.57454						
1970000	3.591403	4.515434						
1971000	3.525696	4.467033						
1972000	3.793616	4.509278						
1973000	3.157856	4.383512						
1974000	3.726192	4.381358						
1975000	3.487206	4.714992						
1976000	3.609755	4.537777						
1977000	3.400742	4.529111						
1978000	3.891293	4.505595						
1979000	3.824248	4.521066						
1980000	3.679144	4.283132						
1981000	3.597789	4.250055						
1982000	3.707508	4.701134						
1983000	3.598502	4.664122						

1984000	3.49184	4.29413						
1985000	3.746178	4.555524						
1986000	3.696868	4.425094						
1987000	3.744953	4.637927						
1988000	3.464165	4.603384						
1989000	3.674451	4.382208						
1990000	3.524429	4.80866						
1991000	3.537638	4.659983						
1992000	3.556318	4.329037						
1993000	3.427317	4.317744						
1994000	3.590773	4.325625						
1995000	3.671488	4.445971						
1996000	3.747381	4.557786						
1997000	3.619163	4.545585						
1998000	3.54394	4.52835						
1999000	3.841588	4.399589						
2000000	3.745943	4.483957						
2001000	3.692596	4.645478						
2002000	3.605276	4.494143						
2003000	3.556413	4.385055						
2004000	3.319895	4.380998						
2005000	3.607895	4.613757						
2006000	3.569808	4.36563						
2007000	3.536383	4.442678						
2008000	3.655335	4.429826						
2009000	3.535166	4.431872						
2010000	3.558926	4.461782						
2011000	3.330472	4.65778						
2012000	3.664047	4.187614						
2013000	3.712024	4.563027						
2014000	3.61001	4.33567						
2015000	3.491965	4.612544						

2016000	3.399147	4.633789						
2017000	3.573768	4.423508						
2018000	3.614282	4.568577						
2019000	3.597374	4.432062						
2020000	3.753412	4.596177						
2021000	3.571381	4.565394						
2022000	3.684634	4.471182						
2023000	3.767779	4.72194						
2024000	3.722681	4.461979						
2025000	3.702371	4.179751						
2026000	3.487461	4.393184						
2027000	3.653849	4.722942						
2028000	3.562523	4.504377						
2029000	3.658989	4.363595						
2030000	3.577448	4.464292						
2031000	3.522594	4.177127						
2032000	3.634596	4.550305						
2033000	3.529534	4.466346						
2034000	3.573119	4.372862						
2035000	3.890399	4.339979						
2036000	3.738371	4.608351						
2037000	3.766963	4.447133						
2038000	3.551877	4.675009						
2039000	3.77742	4.456428						
2040000	3.781773	4.482152						
2041000	3.474479	4.584325						
2042000	3.856614	4.759198						
2043000	3.5926	4.368264						
2044000	3.507975	4.389104						
2045000	3.300844	4.002629						
2046000	3.432473	4.442369						
2047000	3.476243	4.809166						

2048000	3.369689	6.849952						
2049000	3.525006	5.398694						
2050000	3.898704	4.587088						
2051000	3.966002	4.64236						
2052000	3.983894	4.62048						
2053000	3.879121	4.892757						
2054000	3.907046	4.684828						
2055000	3.766816	4.585521						
2056000	3.636439	4.430128						
2057000	3.345845	4.601952						
2058000	3.616171	4.272727						
2059000	3.642588	4.576628						
2060000	3.733612	4.64841						
2061000	3.572595	4.585836						
2062000	3.636728	4.307035						
2063000	3.40204	4.27807						
2064000	3.764137	4.536815						
2065000	3.709393	4.602603						
2066000	3.827114	4.508682						
2067000	3.674401	4.636176						
2068000	3.651131	4.612354						
2069000	3.599481	4.633295						
2070000	3.569178	4.18654						
2071000	3.375487	4.569037						
2072000	3.587669	4.31066						
2073000	3.568667	4.592518						
2074000	3.158712	4.5119						
2075000	3.688007	4.509419						
2076000	3.484907	4.62029						
2077000	3.658564	4.696669						
2078000	3.775086	4.580903						
2079000	3.619764	4.539441						

2080000	3.434738	4.549852						
2081000	3.644781	4.446601						
2082000	3.687017	4.505034						
2083000	3.65271	4.509773						
2084000	3.682316	4.408078						
2085000	3.553009	4.755115						
2086000	3.630989	4.611801						
2087000	3.399841	4.543405						
2088000	3.542768	4.468216						
2089000	3.186361	4.389742						
2090000	3.567412	4.675718						
2091000	3.481467	4.48101						
2092000	3.658287	4.511368						
2093000	3.512677	4.26648						
2094000	3.590607	4.267681						
2095000	3.455774	4.640594						
2096000	3.660502	4.369769						
2097000	3.545015	4.545856						
2098000	3.468762	4.412879						
2099000	3.436086	4.416892						
2100000	3.7552	4.513947						
2101000	3.468095	4.625095						
2102000	3.63872	4.384586						
2103000	3.513667	4.155074						
2104000	3.533535	4.477218						
2105000	3.670438	4.586382						
2106000	3.679265	4.513815						
2107000	3.828288	4.436807						
2108000	3.295177	4.493632						
2109000	3.519005	4.437517						
2110000	3.841366	4.259259						
2111000	3.439846	4.542791						

2112000	3.708114	4.502045						
2113000	3.577322	4.440604						
2114000	3.633724	4.453608						
2115000	3.420161	4.737588						
2116000	3.678093	4.601004						
2117000	3.339401	4.427072						
2118000	3.408482	4.387284						
2119000	3.521814	4.40187						
2120000	3.809688	4.48632						
2121000	3.789194	4.46041						
2122000	3.687882	4.427025						
2123000	3.722817	4.289966						
2124000	3.368709	4.250787						
2125000	3.519724	4.72088						
2126000	3.722115	4.613363						
2127000	3.678497	4.637155						
2128000	3.675987	4.39304						
2129000	3.407276	4.603612						
2130000	3.524099	3.98212						
2131000	2.903791	4.700069						
2132000	2.865728	5.041278						
2133000	2.774856	4.896254						
2134000	2.711414	4.879493						
2135000	2.726687	4.872374						
2136000	2.764396	5.062713						
2137000	2.680654	5.121252						
2138000	2.677261	4.966222						
2139000	2.730663	5.182918						
2140000	2.88637	4.685875						
2141000	2.731744	4.896795						
2142000	2.79699	4.764099						
2143000	2.672953	4.833382						

2144000	2.97755	4.780223						
2145000	2.774589	4.674529						
2146000	2.89598	4.93978						
2147000	2.839303	4.905532						
2148000	2.797695	4.739518						
2149000	2.866595	4.961367						
2150000	2.705911	4.727361						
2151000	2.771543	5.171757						
2152000	2.664872	5.101138						
2153000	2.702074	4.937695						
2154000	2.684278	4.971162						
2155000	2.574679	4.784543						
2156000	2.642205	5.115439						
2157000	2.778026	4.982432						
2158000	2.75696	4.917785						
2159000	2.741642	4.971004						
2160000	2.61899	4.840515						
2161000	2.736909	4.973119						
2162000	2.700291	4.88095						
2163000	2.795405	4.98474						
2164000	2.780434	4.839019						
2165000	2.77279	4.879767						
2166000	2.597715	5.140007						
2167000	2.703597	4.760615						
2168000	2.479518	5.176876						
2169000	2.554021	4.680948						
2170000	2.61322	4.870434						
2171000	2.739965	5.082						
2172000	2.605953	4.774281						
2173000	2.463249	4.885852						
2174000	2.624876	4.698054						
2175000	2.521763	4.774909						



2176000	2.588114	4.935337						
2177000	2.546195	5.154942						
2178000	2.699991	5.088817						
2179000	2.561806	4.816503						
2180000	2.587615	4.996673						
2181000	2.521352	4.968489						
2182000	2.549925	4.939003						
2183000	2.551926	4.934735						
2184000	2.627585	4.954967						
2185000	2.528568	4.963836						
2186000	2.764776	4.779991						
2187000	2.642282	4.937241						
2188000	2.665803	4.929598						
2189000	2.31819	4.62412						
2190000	2.60781	5.088107						
2191000	2.562844	5.081695						
2192000	2.710417	5.103692						
2193000	2.548276	4.704694						
2194000	2.645105	5.06744						
2195000	2.626758	4.905959						
2196000	2.523746	5.080091						
2197000	2.579222	4.725557						
2198000	2.56814	4.851763						
2199000	2.711125	4.837608						
2200000	2.690052	4.905284						
2201000	2.665176	4.858435						
2202000	2.56682	4.867295						
2203000	2.653607	4.90035						
2204000	2.575811	4.8475						
2205000	2.485862	4.87404						
2206000	2.555505	4.763674						
2207000	2.562819	5.1768						

2208000	2.629404	5.117954						
2209000	2.584719	5.072359						
2210000	2.503782	5.057443						
2211000	2.583723	4.96607						
2212000	2.580407	4.829297						
2213000	2.446347	4.673607						
2214000	2.470059	4.766177						
2215000	2.610309	4.793135						
2216000	2.694073	4.877465						
2217000	2.625054	5.034053						
2218000	2.511199	4.908328						
2219000	2.617543	4.971051						
2220000	2.65192	5.04615						
2221000	2.446052	4.891097						
2222000	2.614893	4.994562						
2223000	2.552512	4.473439						
2224000	2.616775	4.836926						
2225000	2.553723	4.86567						
2226000	2.519389	5.167147						
2227000	2.64493	4.999816						
2228000	2.59181	5.123763						
2229000	2.561048	4.980867						
2230000	2.597036	4.972487						
2231000	2.719434	4.837666						
2232000	2.472097	5.042434						
2233000	2.455814	4.841811						
2234000	2.540668	4.977628						
2235000	2.586333	4.796346						
2236000	2.695968	7.700257						
2237000	2.997215	4.749561						
2238000	2.568086	4.731603						
2239000	2.56105	4.875801						

2240000	2.638097	4.921763						
2241000	2.616314	4.776739						
2242000	2.552614	5.009808						
2243000	2.625007	4.800844						
2244000	2.554161	4.899466						
2245000	2.547809	4.824678						
2246000	2.542022	4.835351						
2247000	2.5279	4.565989						
2248000	2.59287	4.524078						
2249000	2.657862	4.767991						
2250000	2.330997	4.915446						
2251000	2.444647	5.204506						
2252000	2.591751	5.147291						
2253000	2.629223	4.589391						
2254000	2.53031	5.046341						
2255000	2.561965	5.000332						
2256000	2.524157	5.137055						
2257000	2.477472	4.905401						
2258000	2.506094	4.983683						
2259000	2.495221	5.138221						
2260000	2.466699	4.727635						
2261000	2.313342	4.883134						
2262000	2.444882	4.897846						
2263000	2.407668	4.689312						
2264000	2.397269	5.033619						
2265000	2.5172	4.468354						
2266000	2.434234	4.807669						
2267000	2.489779	4.855249						
2268000	2.59611	4.95254						
2269000	2.717396	4.692589						
2270000	2.569769	4.967848						
2271000	2.642752	4.947094						

2272000	2.686479	4.69464						
2273000	2.52305	4.904995						
2274000	2.633433	4.936474						
2275000	2.563874	4.993827						
2276000	2.567782	4.902644						
2277000	2.630665	4.904186						
2278000	2.55066	4.988501						
2279000	2.504196	4.811182						
2280000	2.642898	4.980522						
2281000	2.448274	4.825962						
2282000	2.509001	4.841394						
2283000	2.605061	4.953322						
2284000	2.945948	4.556425						
2285000	2.879847	4.622087						
2286000	2.860166	5.046115						
2287000	2.901332	5.157604						
2288000	2.827711	4.853892						
2289000	2.847426	5.071813						
2290000	3.026144	4.990508						
2291000	3.026564	5.196662						
2292000	2.96888	4.906548						
2293000	2.963835	4.974405						
2294000	2.960787	5.031222						
2295000	2.856663	4.942137						
2296000	2.943816	4.711373						
2297000	2.762431	5.029865						
2298000	2.568351	4.777015						
2299000	2.633585	4.908745						
2300000	2.704227	4.91691						
2301000	2.65984	4.469694						
2302000	2.799439	4.855626						
2303000	2.791284	4.843145						

2304000	2.790058	4.713287						
2305000	2.816614	4.842386						
2306000	2.787623	4.962336						
2307000	2.911125	5.02266						
2308000	2.830897	4.898838						
2309000	2.869845	4.987568						
2310000	2.892421	4.85871						
2311000	2.758411	5.104552						
2312000	2.759608	5.060563						
2313000	2.91357	4.794295						
2314000	2.779261	4.844955						
2315000	2.829981	4.978416						
2316000	2.770772	4.708608						
2317000	2.751426	4.656021						
2318000	2.804879	4.676159						
2319000	2.832218	5.226592						
2320000	2.77392	4.933373						
2321000	2.767591	5.163256						
2322000	2.763687	5.133984						
2323000	2.791337	4.667431						
2324000	2.809037	5.114471						
2325000	2.812656	5.064925						
2326000	2.840837	4.801531						
2327000	2.971219	4.856623						
2328000	2.854132	4.919536						
2329000	2.817555	4.824561						
2330000	2.753062	4.977176						
2331000	2.811105	4.915482						
2332000	2.80369	4.807687						
2333000	2.858974	4.872959						
2334000	2.752713	5.064875						
2335000	2.773423	4.805529						

2336000	2.556299	4.873872						
2337000	2.63692	4.90701						
2338000	2.623148	4.824279						
2339000	2.652744	4.947479						
2340000	2.665143	4.973718						
2341000	2.603187	4.958497						
2342000	2.730578	8.083117						
2343000	2.620096	5.619414						
2344000	2.71284	4.85413						
2345000	2.719508	4.744166						
2346000	2.706326	4.809855						
2347000	2.720037	4.938048						
2348000	2.771669	4.713666						
2349000	2.728971	4.847448						
2350000	2.754998	4.725844						
2351000	2.65799	4.846959						
2352000	2.607588	4.931648						
2353000	2.557619	4.938285						
2354000	2.645571	5.09997						
2355000	2.700922	4.651159						
2356000	2.684338	5.083443						
2357000	2.663084	4.803096						
2358000	2.771397	4.95781						
2359000	2.794136	4.922704						
2360000	2.828394	4.631249						
2361000	2.662554	4.819921						
2362000	2.839411	4.773803						
2363000	2.8066	4.641609						
2364000	2.783023	4.835247						
2365000	2.874127	4.801951						
2366000	2.76101	4.934989						
2367000	2.76501	5.142075						

2368000	2.849575	4.638705						
2369000	2.703428	4.804996						
2370000	2.897543	4.486852						
2371000	2.82849	4.859275						
2372000	2.684436	4.832031						
2373000	2.931141	4.841215						
2374000	2.831582	4.848215						
2375000	2.885927	4.987246						
2376000	2.775275	4.791791						
2377000	2.970299	4.863041						
2378000	2.948783	4.917748						
2379000	2.957865	4.809387						
2380000	2.893494	4.529657						
2381000	3.099865	4.702199						
2382000	2.920873	4.839684						
2383000	2.903041	4.650801						
2384000	2.824778	4.723188						
2385000	2.914688	4.719993						
2386000	2.685291	4.724826						
2387000	2.720136	4.931261						
2388000	2.618643	4.76842						
2389000	2.740112	4.831342						
2390000	2.663784	4.819351						
2391000	2.632849	4.881209						
2392000	2.777396	5.060976						
2393000	2.784052	4.738575						
2394000	2.54717	4.987716						
2395000	2.616751	4.766256						
2396000	2.595987	4.923662						
2397000	2.609792	5.113486						
2398000	2.601569	5.109872						
2399000	2.613718	5.040359						

2400000	2.528989	5.061276						
2401000	2.661884	5.143984						
2402000	2.539081	4.992909						
2403000	2.555128	5.06538						
2404000	2.508218	4.867827						
2405000	2.539101	4.99178						
2406000	2.513658	4.704942						
2407000	2.506809	6.151481						
2408000	2.549609	4.822479						
2409000	2.58116	4.779046						
2410000	2.501734	4.897326						
2411000	2.636564	4.958044						
2412000	2.570153	4.827775						
2413000	2.558928	4.882871						
2414000	2.56315	4.944097						
2415000	2.56026	5.002713						
2416000	2.537421	5.163235						
2417000	2.524021	5.094506						
2418000	2.46643	4.764943						
2419000	2.579218	4.736481						
2420000	2.528029	4.646521						
2421000	2.608608	4.766962						
2422000	2.508688	4.691818						
2423000	2.62187	4.881714						
2424000	2.640788	4.749372						
2425000	2.641359	4.971987						
2426000	2.539974	4.624174						
2427000	2.659657	4.701271						
2428000	2.525759	4.733018						
2429000	2.564024	4.98887						
2430000	2.593426	4.675136						
2431000	2.52754	4.968366						



2432000	2.394955	4.840592						
2433000	2.40604	5.078696						
2434000	2.486756	4.833006						
2435000	2.465639	4.85299						
2436000	2.526284	5.11667						
2437000	2.528498	5.127698						
2438000	2.484625	5.140635						
2439000	2.518787	5.103898						
2440000	2.584134	5.131921						
2441000	2.508638	5.045375						
2442000	2.305075	4.866612						
2443000	2.490964	4.728759						
2444000	2.597668	5.017311						
2445000	2.610676	4.946382						
2446000	2.533751	4.902349						
2447000	2.609373	4.729434						
2448000	2.591995	4.611231						
2449000	2.581911	4.923936						
2450000	2.55372	4.852478						
2451000	2.583171	4.853911						
2452000	2.544045	4.723267						
2453000	2.410469	4.882098						
2454000	2.488739	5.075995						
2455000	2.583416	5.0278						
2456000	2.589475	4.80925						
2457000	2.562882	4.938398						
2458000	2.466538	4.940015						
2459000	2.952208	5.079285						
2460000	2.858141	4.524365						
2461000	2.917915	4.718833						
2462000	2.887991	4.977896						
2463000	2.935212	4.908976						

2464000	2.908196	4.938328						
2465000	2.898194	5.085582						
2466000	3.026199	4.905453						
2467000	3.004348	4.885769						
2468000	3.01314	4.92326						
2469000	2.933957	4.988424						
2470000	2.891254	4.769028						
2471000	2.665547	4.802405						
2472000	2.606805	4.913842						
2473000	2.660119	4.977077						
2474000	2.653598	4.997516						
2475000	2.7394	5.012851						
2476000	2.735856	4.945998						
2477000	2.772963	5.101975						
2478000	2.875425	5.070829						
2479000	2.818545	4.996547						
2480000	2.713721	4.879532						
2481000	2.715059	4.780468						
2482000	2.697341	4.35608						
2483000	2.838155	5.007838						
2484000	2.701322	5.059214						
2485000	2.86144	4.983761						
2486000	2.800031	4.923695						
2487000	2.895359	4.779988						
2488000	2.731261	4.859348						
2489000	2.984093	4.705498						
2490000	2.74129	5.008343						
2491000	2.757507	4.949163						
2492000	2.643173	4.987159						
2493000	2.794407	4.956043						
2494000	2.834605	4.659304						
2495000	2.722646	4.755255						

2496000	2.651442	5.211539						
2497000	2.796614	4.778483						
2498000	2.746741	4.988808						
2499000	2.471398	4.738125						
2500000	2.902279	4.885794						
2501000	2.878495	4.737135						
2502000	2.800138	4.913003						
2503000	2.809463	4.871647						
2504000	2.88201	4.835249						
2505000	2.903356	4.827866						
2506000	2.726239	4.835343						
2507000	2.963496	4.740271						
2508000	2.710045	4.867239						
2509000	2.726344	4.829237						
2510000	2.64501	4.879085						
2511000	2.762902	5.262323						
2512000	2.674017	5.129114						
2513000	2.590253	4.793502						
2514000	2.724542	5.091581						
2515000	2.61488	4.82349						
2516000	2.682759	4.80959						
2517000	2.741782	4.896507						
2518000	2.749559	4.861145						
2519000	2.751401	4.985523						
2520000	2.74184	5.025292						
2521000	2.821026	5.154203						
2522000	2.642086	4.468296						
2523000	2.613305	4.886154						
2524000	2.605169	5.010446						
2525000	2.773633	5.047921						
2526000	2.690586	5.006956						
2527000	2.450114	4.654972						

2528000	2.727335	5.050982						
2529000	2.698191	4.738172						
2530000	2.818814	4.831441						
2531000	2.716888	4.795213						
2532000	2.872031	4.801431						
2533000	2.86681	5.146417						
2534000	2.792476	4.78879						
2535000	2.914037	5.000101						
2536000	2.597707	4.892951						
2537000	2.55177	5.072357						
2538000	2.719956	4.923056						
2539000	2.724818	5.106559						
2540000	2.703742	5.166244						
2541000	2.469126	4.917129						
2542000	2.756343	4.841376						
2543000	2.737796	4.643594						
2544000	2.724382	4.80511						
2545000	2.722922	4.937385						
2546000	2.802331	5.07731						
2547000	2.70883	4.874582						
2548000	2.862826	4.718102						
2549000	2.746457	5.002157						
2550000	2.610874	4.839618						
2551000	2.663394	4.981074						
2552000	2.673245	4.920175						
2553000	2.702345	5.057712						
2554000	2.656388	5.17413						
2555000	2.415212	4.845298						
2556000	2.644764	4.860846						
2557000	2.703905	4.87258						
2558000	2.691248	4.926876						
2559000	2.588937	4.882598						

2560000	2.824855	4.910822						
2561000	2.599506	4.885771						
2562000	2.64564	4.873669						
2563000	2.59217	5.02609						
2564000	2.676516	5.08468						
2565000	2.602302	5.180147						
2566000	2.711393	5.001467						
2567000	2.746581	5.01909						
2568000	2.688334	4.968379						
2569000	2.619956	4.83787						
2570000	2.709183	4.904746						
2571000	2.74005	5.089128						
2572000	2.81407	4.885913						
2573000	2.595481	4.836481						
2574000	2.62806	4.63474						
2575000	2.598587	4.99329						
2576000	2.652703	4.937252						
2577000	2.653582	4.968004						
2578000	2.613523	5.005028						
2579000	2.683203	4.960278						
2580000	2.707339	4.83717						
2581000	2.765368	4.833646						
2582000	2.207455	5.036437						
2583000	2.599258	4.904038						
2584000	2.639543	4.976071						
2585000	2.637742	4.885479						
2586000	2.713003	4.912676						
2587000	2.734716	4.90799						
2588000	2.799641	4.620709						
2589000	2.752743	4.824972						
2590000	2.595968	4.836788						
2591000	2.704947	5.00771						

2592000	2.606136	5.060579						
2593000	2.639404	4.857724						
2594000	2.721132	4.622488						
2595000	2.639025	4.9894						
2596000	2.660891	4.847646						
2597000	2.688711	4.876284						
2598000	2.741924	4.738025						
2599000	2.696946	4.983739						
2600000	2.515033	5.01864						
2601000	2.558155	4.855894						
2602000	2.583552	5.041971						
2603000	2.565404	5.027661						
2604000	2.726049	4.570361						
2605000	2.751576	4.92382						
2606000	2.683999	4.908516						
2607000	2.679119	4.530491						
2608000	2.718002	4.979519						
2609000	2.772931	4.882627						
2610000	2.628048	5.145646						
2611000	2.657062	5.109423						
2612000	2.698535	4.793577						
2613000	2.59136	4.943009						
2614000	2.737416	4.879388						
2615000	2.718883	4.752837						
2616000	2.728889	4.852246						
2617000	2.868135	4.747823						
2618000	2.791708	5.099297						
2619000	2.712714	4.843904						
2620000	2.511194	4.787536						
2621000	2.708161	4.956389						
2622000	2.620184	5.197751						
2623000	2.576254	4.788305						

2624000	2.73622	4.846567						
2625000	2.744694	4.895757						
2626000	2.866914	4.765781						
2627000	2.782545	4.889999						
2628000	2.635464	4.805794						
2629000	2.5697	4.802548						
2630000	2.699035	6.730717						
2631000	2.425435	4.883518						
2632000	2.71006	4.83656						
2633000	2.685382	4.740785						
2634000	3.010995	5.015169						
2635000	3.040461	4.902983						
2636000	3.087748	4.884137						
2637000	3.089924	4.650909						
2638000	2.971809	4.910265						
2639000	3.164781	4.81874						
2640000	3.321177	4.786292						
2641000	3.138066	4.802868						
2642000	2.951164	4.782125						
2643000	3.059381	5.174133						
2644000	3.087869	5.06078						
2645000	3.040827	4.647398						
2646000	3.01724	4.76058						
2647000	3.043509	4.693627						
2648000	2.977192	4.685833						
2649000	3.126291	4.814209						
2650000	3.045348	4.796864						
2651000	2.848736	4.814239						
2652000	2.95888	5.014096						
2653000	2.876728	4.944306						
2654000	3.025289	5.321376						
2655000	2.907515	4.548829						

2656000	2.91679	4.89096						
2657000	2.941687	4.893045						
2658000	2.965302	4.791066						
2659000	2.851787	4.676693						
2660000	4.041799	3.176508						
2661000	2.960155	4.976242						
2662000	2.862171	4.729508						
2663000	2.884668	4.894443						
2664000	2.832652	4.873038						
2665000	2.88844	4.785769						
2666000	2.878301	4.515499						
2667000	3.002954	4.818186						
2668000	2.778894	5.070512						
2669000	2.872368	4.79789						
2670000	2.949359	4.940496						
2671000	2.875301	5.101405						
2672000	2.892531	4.621207						
2673000	2.979408	4.661955						
2674000	2.940221	4.968463						
2675000	2.913345	4.85192						
2676000	2.714328	4.715086						
2677000	2.901511	5.021235						
2678000	2.945466	5.042578						
2679000	2.89506	4.441158						
2680000	2.912309	4.841759						
2681000	2.994408	4.949549						
2682000	2.915266	4.799436						
2683000	2.803048	4.962964						
2684000	2.822031	4.771904						
2685000	2.809554	5.081657						
2686000	2.837777	4.713006						
2687000	2.866964	4.814924						



2688000	2.889916	4.944866						
2689000	2.80246	4.879339						
2690000	2.783044	4.867315						
2691000	2.642223	5.127302						
2692000	2.659022	5.03277						
2693000	2.640743	4.80386						
2694000	2.899895	4.779601						
2695000	2.813548	4.812148						
2696000	2.783787	4.981385						
2697000	4.618612	5.062027						
2698000	2.679581	4.261469						
2699000	2.653701	4.871957						
2700000	2.459001	5.18445						
2701000	2.605947	5.054185						
2702000	2.810063	4.94773						
2703000	2.892689	4.766339						
2704000	2.893443	4.343348						
2705000	2.594611	5.05358						
2706000	2.659393	5.186484						
2707000	2.709004	4.867516						
2708000	2.821658	4.891661						
2709000	2.825711	4.962111						
2710000	2.793523	4.374435						
2711000	2.608188	4.944548						
2712000	2.703968	5.125476						
2713000	2.590703	4.984372						
2714000	2.549221	4.768114						
2715000	2.725612	5.072771						
2716000	2.819803	4.637055						
2717000	2.491481	5.227525						
2718000	2.734928	5.189883						
2719000	2.683299	5.377285						

2720000	2.809923	5.029569						
2721000	2.823531	4.972642						
2722000	2.811649	4.781143						
2723000	2.594982	4.932207						
2724000	2.528423	5.113531						
2725000	2.664015	4.669611						
2726000	2.663133	4.881686						
2727000	2.686316	4.727847						
2728000	2.582361	4.795977						
2729000	2.417172	5.218655						
2730000	2.686706	4.846038						
2731000	2.589483	4.323668						
2732000	2.841909	5.024079						
2733000	2.754278	5.132315						
2734000	2.659657	5.018458						
2735000	2.794281	5.131655						
2736000	2.773595	5.088906						
2737000	2.631345	4.991976						
2738000	2.78955	4.979029						
2739000	2.821559	4.747016						
2740000	2.605689	5.000613						
2741000	2.751661	5.01524						
2742000	2.628271	4.89369						
2743000	2.562993	4.662747						
2744000	2.672223	4.463983						
2745000	2.787125	4.854994						
2746000	2.551233	5.072291						
2747000	2.738077	5.299803						
2748000	2.583269	4.910088						
2749000	2.71362	4.726065						
2750000	2.770291	5.068858						
2751000	2.740892	4.755103						

2752000	2.625274	4.920175						
2753000	2.715947	5.019407						
2754000	2.729973	4.664874						
2755000	2.640932	4.722655						
2756000	2.769248	4.748295						
2757000	2.695719	5.083587						
2758000	2.613813	4.92985						
2759000	2.645145	5.080261						
2760000	2.690953	4.74487						
2761000	2.857065	4.796707						
2762000	2.899292	4.845205						
2763000	2.552839	4.949238						
2764000	2.626534	5.172208						
2765000	2.648995	4.881816						
2766000	2.707708	4.882784						
2767000	2.552143	5.037239						
2768000	2.641206	4.929059						
2769000	2.480339	4.954503						
2770000	2.598365	5.252796						
2771000	2.525587	4.72011						
2772000	2.617161	4.75181						
2773000	2.662349	4.728141						
2774000	2.560399	5.035451						
2775000	2.463928	5.085516						
2776000	2.681787	4.693458						
2777000	2.661245	4.905131						
2778000	2.76096	4.934907						
2779000	2.625864	5.068233						
2780000	2.564692	5.049454						
2781000	2.664352	5.038166						
2782000	2.632223	4.653811						
2783000	2.719762	4.870144						

2784000	2.711227	4.85833						
2785000	2.600573	4.933257						
2786000	2.611907	4.964249						
2787000	2.655007	4.89155						
2788000	2.631893	4.917785						
2789000	2.695455	4.948891						
2790000	2.695648	4.780362						
2791000	2.531469	6.878008						
2792000	2.021775	4.687133						
2793000	2.671456	5.417704						
2794000	2.693598	4.702436						
2795000	2.648051	4.730143						
2796000	2.659063	4.986683						
2797000	2.604493	4.914789						
2798000	2.692669	5.375688						
2799000	2.509887	4.497023						
2800000	4.063009	4.626608						
2801000	2.430844	4.892636						
2802000	2.636601	4.777094						
2803000	2.693244	4.913627						
2804000	2.691387	4.909445						
2805000	2.639309	4.794446						
2806000	2.605808	4.903244						
2807000	2.517499	5.059772						
2808000	2.982482	4.968634						
2809000	2.972278	4.634586						
2810000	2.922533	4.993907						
2811000	2.972708	4.986864						
2812000	2.877046	4.940776						
2813000	2.921445	4.822971						
2814000	2.922181	4.858472						
2815000	2.891413	4.938979						

2816000	2.979264	4.964917						
2817000	3.093263	4.826531						
2818000	2.945748	4.825793						
2819000	2.982967	5.131816						
2820000	2.839099	4.551782						
2821000	2.887122	4.829877						
2822000	2.998963	4.620874						
2823000	2.794433	4.915885						
2824000	2.939349	4.960273						
2825000	2.989694	5.124051						
2826000	2.827942	4.948752						
2827000	2.96275	4.883218						
2828000	3.06632	4.859331						
2829000	2.818494	5.09051						
2830000	2.986465	4.980361						
2831000	2.887664	4.756641						
2832000	2.858788	4.80433						
2833000	3.016306	4.93293						
2834000	2.845961	4.589572						
2835000	2.529735	4.904919						
2836000	2.744347	4.911757						
2837000	2.871981	4.891685						
2838000	2.95957	4.83178						
2839000	3.045739	4.842471						
2840000	2.833534	5.013599						
2841000	2.953679	5.18569						
2842000	2.862641	4.810098						
2843000	2.960241	4.765477						
2844000	2.998572	4.916778						
2845000	2.941581	4.884159						
2846000	2.845676	4.938779						
2847000	2.874275	5.156585						

2848000	2.902194	4.821816						
2849000	2.997132	4.926319						
2850000	2.83163	4.934893						
2851000	2.871576	4.959959						
2852000	2.832651	4.898547						
2853000	2.789371	4.773849						
2854000	2.847691	4.95888						
2855000	2.742149	5.08092						
2856000	2.716204	4.849373						
2857000	2.713566	4.750774						
2858000	2.84855	4.960578						
2859000	2.928685	5.070305						
2860000	2.930643	5.021652						
2861000	2.825556	4.964046						
2862000	2.81399	5.220465						
2863000	2.937864	4.942905						
2864000	2.906472	4.789894						
2865000	2.893868	5.057904						
2866000	2.86039	5.149111						
2867000	2.889077	5.337297						
2868000	2.735214	4.964296						
2869000	2.875869	4.968765						
2870000	2.904609	4.973636						
2871000	2.903852	4.94732						
2872000	2.891952	5.152925						
2873000	2.853778	4.928698						
2874000	2.920709	4.889315						
2875000	2.84009	4.967302						
2876000	2.747028	5.107176						
2877000	2.901501	4.845503						
2878000	2.784673	4.703686						
2879000	2.827938	4.944902						

2880000	2.848669	5.139093						
2881000	2.771559	5.137447						
2882000	2.834907	4.794025						
2883000	2.883006	4.976569						
2884000	2.962636	4.985889						
2885000	2.993663	4.816427						
2886000	2.86224	5.032338						
2887000	2.941511	4.735125						
2888000	2.838395	4.926701						
2889000	2.92207	5.082306						
2890000	2.728229	4.979598						
2891000	2.829918	5.001657						
2892000	2.776377	4.727681						
2893000	2.899737	4.879759						
2894000	2.84999	4.830012						
2895000	2.766467	4.812183						
2896000	2.826488	5.062598						
2897000	2.824254	4.935267						
2898000	2.778252	4.838576						
2899000	2.760433	5.079397						
2900000	2.723503	4.964382						
2901000	2.825126	5.00945						
2902000	3.002565	4.874822						
2903000	3.017491	4.820841						
2904000	2.853351	4.90565						
2905000	2.908488	4.948085						
2906000	2.926268	4.535815						
2907000	2.947606	4.825961						
2908000	3.024415	4.919576						
2909000	2.789542	4.986365						
2910000	2.66991	5.008527						
2911000	2.964005	4.906943						

2912000	2.960573	4.873981						
2913000	2.842635	4.931707						
2914000	2.983165	4.957134						
2915000	3.056039	4.650661						
2916000	2.969819	4.819671						
2917000	3.012559	4.662584						
2918000	2.659487	5.059989						
2919000	2.794999	5.071161						
2920000	2.734908	4.923492						
2921000	2.791904	4.941613						
2922000	2.472308	5.038681						
2923000	2.742154	5.063579						
2924000	2.71254	4.947851						
2925000	2.731167	5.024197						
2926000	2.560248	4.942764						
2927000	2.684834	5.077168						
2928000	2.719296	4.897785						
2929000	2.728238	5.029584						
2930000	2.611864	5.013836						
2931000	2.725857	4.873844						
2932000	2.695753	4.805365						
2933000	2.726674	4.879414						
2934000	2.733117	4.816434						
2935000	2.667653	4.980016						
2936000	2.639854	4.674682						
2937000	2.632088	4.788777						
2938000	2.644666	4.993764						
2939000	2.647262	4.800279						
2940000	2.657632	4.54163						
2941000	2.672922	4.770849						
2942000	2.488402	5.001131						
2943000	2.598286	4.829902						



2944000	2.706002	4.725446						
2945000	2.703478	4.875412						
2946000	2.811193	4.931474						
2947000	2.660179	4.910365						
2948000	2.768774	4.877249						
2949000	2.695256	4.796885						
2950000	2.642193	4.997291						
2951000	2.635609	5.171071						
2952000	2.727073	4.743353						
2953000	2.758667	4.839486						
2954000	2.666426	4.966471						
2955000	2.654178	5.134456						
2956000	2.786943	4.876063						
2957000	2.734048	5.076654						
2958000	2.78221	4.719954						
2959000	2.688723	4.981474						
2960000	2.695749	4.89581						
2961000	2.699909	4.85091						
2962000	2.587658	4.928787						
2963000	2.662892	4.966269						
2964000	2.713497	4.93081						
2965000	2.7148	5.000678						
2966000	2.584473	4.868923						
2967000	2.713175	5.048543						
2968000	2.684414	4.935508						
2969000	2.694755	5.062031						
2970000	2.541848	4.792364						
2971000	2.688286	4.808446						
2972000	2.686263	4.874436						
2973000	2.610172	5.011934						
2974000	2.486404	5.071998						
2975000	2.705453	4.929504						

2976000	2.659414	4.956022						
2977000	2.736389	5.002386						
2978000	2.536381	5.044352						
2979000	2.648623	4.572301						
2980000	2.653986	4.765485						
2981000	2.693223	4.965388						
2982000	2.397168	5.13776						
2983000	2.946687	4.927339						
2984000	2.957427	4.973798						
2985000	2.7756	4.859199						
2986000	2.918067	5.117475						
2987000	2.956802	5.00152						
2988000	2.960961	5.101569						
2989000	2.95322	4.956331						
2990000	2.925406	5.16053						
2991000	2.945257	4.898814						
2992000	2.971739	5.037366						
2993000	2.958974	5.197374						
2994000	2.538991	5.117035						
2995000	2.838141	4.800024						
2996000	2.786202	4.800161						
2997000	2.794604	4.86665						
2998000	2.80178	5.120523						
2999000	2.875784	4.806522						
3000000	2.88818	4.932662						
3001000	2.823042	4.980586						
3002000	2.805963	4.978822						
3003000	2.890567	4.839259						
3004000	2.92335	4.943249						
3005000	2.75755	5.121124						
3006000	2.660475	5.083977						
3007000	2.818329	4.947777						

3008000	2.919881	5.065697						
3009000	2.704155	5.058108						
3010000	2.832797	5.059409						
3011000	2.889853	4.901419						
3012000	2.910566	4.949596						
3013000	2.673853	4.981679						
3014000	2.807792	4.96513						
3015000	2.852483	4.95812						
3016000	2.802923	4.972217						
3017000	2.706486	5.119075						
3018000	2.809953	4.862515						
3019000	2.871259	4.862175						
3020000	2.888141	4.985584						
3021000	2.774984	4.975343						
3022000	2.886306	4.94885						
3023000	2.835216	5.085014						
3024000	2.735533	4.835992						
3025000	2.756728	5.070774						
3026000	2.867247	4.926319						
3027000	2.765403	5.123769						
3028000	2.659371	4.992812						
3029000	2.842268	4.607601						
3030000	2.737592	4.793652						
3031000	2.815179	4.882158						
3032000	2.768767	4.880905						
3033000	2.963221	4.853855						
3034000	2.939845	4.828049						
3035000	2.783832	4.858497						
3036000	2.813322	4.709565						
3037000	2.957184	4.926465						
3038000	2.936125	4.768117						
3039000	2.770353	4.903577						

3040000	2.926449	4.754371						
3041000	2.996757	4.815756						
3042000	2.934248	4.767502						
3043000	2.877725	4.949234						
3044000	2.848026	4.805252						
3045000	2.829022	4.848174						
3046000	2.797256	4.796688						
3047000	2.79857	4.972703						
3048000	2.779583	4.894699						
3049000	2.819803	4.952829						
3050000	2.648196	5.06955						
3051000	2.85262	4.647475						
3052000	2.85802	4.896578						
3053000	2.875081	4.803505						
3054000	2.782814	5.004146						
3055000	2.95371	5.048824						
3056000	2.936763	4.7821						
3057000	2.791193	4.841697						
3058000	2.876886	4.873012						
3059000	2.844866	4.810929						
3060000	4.979347	4.508009						
3061000	2.549693	4.911367						
3062000	2.755797	4.784654						
3063000	2.768007	4.79335						
3064000	2.714281	4.698777						
3065000	2.777394	4.909993						
3066000	2.7276	5.007053						
3067000	2.819068	4.921215						
3068000	2.810419	5.057479						
3069000	2.693341	4.988171						
3070000	2.628671	5.094356						
3071000	2.7334	4.864253						

3072000	2.765207	4.965592						
3073000	2.737582	4.948804						
3074000	2.81274	4.927185						
3075000	2.887405	5.014087						
3076000	2.69884	4.853092						
3077000	2.831161	4.611465						
3078000	2.767668	4.884608						
3079000	2.757037	4.899188						
3080000	2.804174	5.04466						
3081000	2.974348	4.74261						
3082000	2.880741	5.075947						
3083000	2.749657	4.925707						
3084000	2.790716	4.678344						
3085000	2.832774	5.01154						
3086000	2.672832	5.031212						
3087000	2.675677	5.173754						
3088000	2.823728	4.876271						
3089000	2.819698	4.852463						
3090000	2.774774	5.089609						
3091000	2.901328	4.877673						
3092000	2.881877	4.911141						
3093000	2.622944	5.129053						
3094000	2.800869	4.699766						
3095000	2.805067	4.899479						
3096000	2.689583	4.757242						
3097000	2.742789	5.113774						
3098000	2.85364	4.72487						
3099000	2.813222	4.84295						
3100000	2.78184	4.897022						
3101000	2.932713	4.929482						
3102000	2.934689	4.852186						
3103000	2.657963	4.858638						

3104000	2.742064	4.715899					
3105000	2.762846	5.002429					
3106000	2.67514	4.883725					
3107000	2.734945	5.218758					
3108000	2.783987	4.702307					
3109000	2.917147	4.932904					
3110000	2.600204	5.034387					
3111000	2.762727	4.872177					
3112000	2.764222	4.888188					
3113000	2.628613	5.106329					
3114000	2.780922	4.816297					
3115000	2.788056	5.049304					
3116000	2.685876	4.914105					
3117000	2.844631	4.676045					
3118000	2.820781	4.975919					
3119000	2.731326	4.825671					
3120000	2.709124	4.77305					
3121000	2.80189	4.67328					
3122000	2.653613	4.969603					
3123000	2.746838	5.292124					
3124000	2.795854	4.911175					
3125000	2.884353	4.927592					
3126000	2.898074	4.974116					
3127000	2.868352	4.880292					
3128000	2.853098	4.844316					
3129000	2.751573	4.915023					
3130000	2.840987	4.845435					
3131000	2.843921	4.706978					
3132000	2.636415	5.123802					
3133000	2.816764	4.793583					
3134000	2.796526	5.02043					
3135000	2.661312	4.930567					

3136000	2.73736	4.660965						
3137000	2.775567	5.079485						
3138000	2.678773	4.888705						
3139000	2.727209	4.64629						
3140000	2.852455	5.003125						
3141000	2.628984	4.884546						
3142000	2.819155	5.002813						
3143000	2.838596	5.087568						
3144000	2.566455	5.066263						
3145000	2.782258	4.697862						
3146000	2.879681	4.920455						
3147000	2.934948	4.909178						
3148000	2.931394	5.051773						
3149000	2.698552	4.961514						
3150000	2.683176	4.858647						
3151000	2.785488	5.019336						
3152000	2.746403	4.823819						
3153000	2.701956	4.954891						
3154000	2.669792	4.751085						
3155000	2.773348	4.910751						
3156000	2.668047	4.854966						
3157000	2.681237	5.041698						
3158000	3.163912	4.826697						
3159000	3.090155	4.993886						
3160000	3.029468	4.819725						
3161000	3.08473	4.864544						
3162000	3.12492	4.859133						
3163000	2.958413	4.894291						
3164000	3.303351	4.867697						
3165000	3.378704	4.604177						
3166000	3.120856	5.11849						
3167000	2.922247	4.814705						

3168000	3.303531	5.043764						
3169000	3.113539	4.910691						
3170000	3.397689	4.685578						
3171000	3.319453	4.910167						
3172000	3.041155	4.984387						
3173000	3.177342	4.829676						
3174000	3.137161	5.054626						
3175000	3.832327	4.737211						
3176000	3.157656	3.861308						
3177000	3.619287	4.594497						
3178000	3.109807	4.936773						
3179000	3.169416	4.797282						
3180000	2.937916	4.939345						
3181000	2.958467	4.904573						
3182000	2.944055	4.92995						
3183000	2.857598	4.838928						
3184000	3.010232	4.276323						
3185000	2.87329	4.774877						
3186000	2.827753	5.169245						
3187000	3.125095	4.776507						
3188000	2.981104	4.134043						
3189000	3.076392	4.857483						
3190000	3.014204	4.991007						
3191000	2.885096	4.690472						
3192000	2.851908	4.712625						
3193000	2.921945	4.977868						
3194000	2.83545	4.889518						
3195000	3.07305	4.766619						
3196000	2.934147	5.123939						
3197000	2.821972	4.637887						
3198000	2.863289	4.821867						
3199000	2.886013	4.85791						



3200000	2.847122	4.657468						
1000	3.186537	4.728094						
2000	4.318604	4.664825						
3000	4.667247	4.88738						
4000	4.989378	4.728834						
5000	5.010251	4.86507						
6000	5.002989	4.742957						
7000	5.076335	4.853136						
8000	5.013098	4.780695						
9000	4.943474	4.891991						
10000	6.266024	7.297222						
11000	6.422311	4.890105						
12000	4.124624	6.082654						
13000	2.255109	4.887365						
14000	4.312192	4.827098						
15000	4.742012	4.883378						
16000	4.35301	4.841192						
17000	4.591767	4.912206						
18000	4.434113	6.371456						
19000	4.395842	5.741906						
20000	4.930007	4.834049						
21000	4.441536	4.895683						
22000	4.904357	4.820703						
23000	4.554612	4.888327						
24000	4.562964	4.841787						
25000	4.628294	4.896572						
26000	4.422446	4.825672						
27000	4.705296	4.903812						
28000	4.624638	4.837921						
29000	4.943924	4.910307						
30000	4.620999	4.83554						
31000	4.613047	4.902784						

32000	4.649505	4.845104						
33000	4.750798	4.901981						
34000	4.670659	4.842171						
35000	4.738135	5.548389						
36000	4.660487	4.85002						
37000	4.68176	4.902024						
38000	4.63162	4.840698						
39000	4.55957	4.90537						
40000	4.480463	4.845273						
41000	4.501276	5.004455						
42000	4.550593	4.834675						
43000	4.80843	4.904561						
44000	4.759684	4.851061						
45000	5.225702	4.244399						
46000	3.671336	4.847432						
47000	4.765114	5.232924						
48000	4.884137	4.851269						
49000	5.216563	4.893731						
50000	4.899669	4.841345						
51000	4.794266	4.920213						
52000	4.75869	4.844647						
53000	4.85885	4.918542						
54000	4.890835	4.849366						
55000	4.870598	5.227648						
56000	4.852744	4.841399						
57000	4.891021	4.920049						
58000	4.936349	4.840882						
59000	4.84594	4.915598						
60000	4.866023	4.838111						
61000	4.816457	4.910459						
62000	4.815014	4.858648						
63000	6.068413	4.046576						

64000	4.780727	4.500733						
65000	4.190724	3.883469						
66000	5.177145	4.850766						
67000	4.877398	4.919634						
68000	4.860199	4.85393						
69000	4.685377	4.915445						
70000	5.101372	4.846704						
71000	4.912765	4.906951						
72000	4.959336	4.854713						
73000	4.961368	5.229496						
74000	3.957624	4.854384						
75000	4.883214	4.901566						
76000	4.830055	4.860541						
77000	4.872313	4.912771						
78000	4.805529	4.854756						
79000	4.81985	4.920027						
80000	4.736287	4.126005						
81000	4.761424	4.917282						
82000	4.824598	4.852046						
83000	4.462257	4.909187						
84000	5.148153	4.848332						
85000	4.666828	5.342488						
86000	4.582948	4.857577						
87000	4.733737	4.91949						
88000	4.756668	4.853286						
89000	4.855799	4.912422						
90000	4.788121	4.853006						
91000	4.859776	5.880851						
92000	4.813592	5.056033						
93000	4.834569	4.912619						
94000	4.864499	4.858785						
95000	4.956936	4.917411						

96000	4.860435	4.852787						
97000	4.908428	4.919053						
98000	4.892046	4.851624						
99000	4.949326	4.921918						
100000	4.945504	4.852447						
101000	5.466849	4.952415						
102000	5.000539	4.991531						
103000	5.504306	4.912574						
104000	4.802852	4.856752						
105000	4.960488	4.918941						
106000	4.816095	4.851327						
107000	4.912674	4.908748						
108000	4.886517	4.85523						
109000	4.911157	4.918857						
110000	4.967343	4.848746						
111000	4.28685	5.343799						
112000	5.167247	4.887819						
113000	5.554087	4.745876						
114000	4.962817	4.859337						
115000	5.444108	4.899492						
116000	4.868502	4.897339						
117000	4.8541	4.91816						
118000	4.899028	5.001305						
119000	4.893477	4.920631						
120000	4.837018	4.910306						
121000	4.832444	4.92159						
122000	4.774597	5.32319						
123000	3.933846	4.91986						
124000	4.700346	4.858893						
125000	5.227441	4.907087						
126000	4.48355	4.85652						
127000	4.527477	4.91697						

128000	5.101186	4.852947						
129000	4.78406	4.915922						
130000	5.063305	4.543809						
131000	4.769229	4.924425						
132000	4.938724	5.390687						
133000	3.752343	4.904998						
134000	4.867309	4.847613						
135000	4.913488	4.913627						
136000	4.850709	4.860798						
137000	5.000515	4.924197						
138000	4.906243	5.495407						
139000	4.410727	3.714806						
140000	4.610219	4.854095						
141000	4.951096	4.948424						
142000	4.922674	4.852884						
143000	4.997114	4.954621						
144000	4.636116	4.857465						
145000	5.003458	4.949386						
146000	5.187173	4.507888						
147000	4.857847	4.918368						
148000	4.77849	4.855072						
149000	4.890852	4.921117						
150000	4.904798	5.941163						
151000	3.866717	5.041278						
152000	4.874432	5.078562						
153000	4.960914	4.91351						
154000	4.563915	4.854287						
155000	4.966092	4.909509						
156000	4.483367	4.853583						
157000	5	4.384207						
158000	4.786748	4.855513						
159000	4.942579	4.916743						

160000	5.809195	4.845859						
161000	4.877059	4.956078						
162000	4.861321	4.85561						
163000	4.989041	4.411261						
164000	4.787639	5.577109						
165000	3.831525	5.051366						
166000	4.767339	5.070322						
167000	4.594745	4.904031						
168000	4.611668	4.315088						
169000	4.362421	4.90143						
170000	4.586905	4.848429						
171000	4.740629	4.915807						
172000	4.759116	4.888486						
173000	5.27476	5.013782						
174000	4.789351	4.850005						
175000	4.752785	5.426371						
176000	4.860944	4.850149						
177000	4.979275	4.918306						
178000	5.213141	4.527395						
179000	4.848342	4.855569						
180000	4.869042	4.859822						
181000	5.278135	4.877988						
182000	4.845149	4.378572						
183000	4.91809	4.917713						
184000	4.928918	4.972088						
185000	4.935029	4.912707						
186000	4.958607	4.847006						
187000	4.918882	4.379242						
188000	4.786503	4.853965						
189000	4.872818	5.200107						
190000	4.439355	5.320304						
191000	4.723035	4.920017						

192000	4.946888	4.887239						
193000	4.898833	4.915102						
194000	4.892539	5.019477						
195000	5.332897	4.832931						
196000	4.736608	4.843907						
197000	4.927422	4.915976						
198000	4.917471	4.903392						
199000	5.01678	4.908874						
200000	4.934649	4.85741						
201000	5.120445	4.397375						
202000	4.880452	5.405944						
203000	4.40615	5.008892						
204000	4.839117	4.854546						
205000	4.882102	4.898074						
206000	4.961511	5.127272						
207000	4.474341	5.306584						
208000	4.586409	4.822038						
209000	4.72801	4.914518						
210000	4.632245	4.98873						
211000	4.549482	4.91368						
212000	4.884274	4.837002						
213000	4.643955	4.935431						
214000	4.72416	4.850753						
215000	4.777525	4.90289						
216000	4.772824	5.289387						
217000	4.766985	3.667514						
218000	4.828724	4.857612						
219000	4.986984	4.88747						
220000	4.708978	4.797948						
221000	4.860365	5.324452						
222000	4.856913	4.838046						
223000	5.010988	4.908983						

224000	4.890604	5.106801						
225000	4.813164	4.912303						
226000	4.880379	5.551164						
227000	4.968371	5.037124						
228000	4.924897	4.853581						
229000	5.343539	4.942046						
230000	4.716933	5.245377						
231000	3.653678	4.637324						
232000	4.700198	4.901899						
233000	4.7654	4.916417						
234000	4.80877	4.841682						
235000	5.033933	4.286984						
236000	4.794145	5.752549						
237000	4.885825	4.899682						
238000	4.868239	4.933865						
239000	4.577837	4.908051						
240000	5.254658	4.705579						
241000	5.140152	5.13393						
242000	4.803125	4.920826						
243000	4.788881	4.887148						
244000	4.592774	5.21822						
245000	4.857745	4.756535						
246000	4.85601	4.49193						
247000	4.871414	4.996847						
248000	4.417067	5.311993						
249000	4.793762	4.9039						
250000	4.771436	4.699869						
251000	4.759371	5.338309						
252000	3.655579	4.82702						
253000	4.901531	4.991269						
254000	4.493898	4.84932						
255000	4.489372	4.158639						



256000	4.561517	4.827694						
257000	4.902229	4.230316						
258000	4.120042	4.845088						
259000	4.801476	4.926017						
260000	4.796271	4.817268						
261000	5.369714	5.856158						
262000	4.622532	4.772039						
263000	4.808191	5.00272						
264000	4.877397	4.879917						
265000	5.086808	4.870602						
266000	4.861518	4.868773						
267000	5.09789	4.513435						
268000	4.679253	4.843939						
269000	5.114674	4.173829						
270000	4.656568	4.926246						
271000	5.623503	4.77848						
272000	4.733421	4.847713						
273000	4.889108	3.827771						
274000	4.734631	4.838428						
275000	4.833515	5.149377						
276000	4.679082	4.973049						
277000	4.362991	5.00478						
278000	5.240235	5.061247						
279000	4.819056	4.902278						
280000	5.103107	4.823951						
281000	3.813988	4.870497						
282000	4.909179	4.838828						
283000	4.739371	5.001713						
284000	4.566606	4.667994						
285000	4.836779	4.915923						
286000	4.786243	4.956479						
287000	4.90906	4.917739						

288000	5.08084	4.833627						
289000	5.162095	3.921886						
290000	4.732584	5.024922						
291000	4.223311	4.903566						
292000	5.099809	4.824969						
293000	4.681728	4.900428						
294000	4.739121	5.130058						
295000	4.709984	5.041455						
296000	4.063375	4.839444						
297000	4.553177	5.011889						
298000	4.257763	4.81008						
299000	5.114991	5.222039						
300000	4.340477	4.840028						
301000	4.795183	4.816499						
302000	4.835899	5.382709						
303000	4.835439	4.844279						
304000	4.796976	4.850826						
305000	4.523157	4.544555						
306000	5.157247	3.899445						
307000	4.70656	4.870116						
308000	4.900373	4.792441						
309000	4.876966	5.334038						
310000	4.779949	4.827624						
311000	5.09869	4.326447						
312000	4.812519	4.818659						
313000	5.371713	4.82638						
314000	4.766028	5.3852						
315000	4.500222	4.854546						
316000	4.803055	5.065252						
317000	4.734483	4.901581						
318000	4.777487	4.644407						
319000	4.649733	4.509363						

320000	4.812889	4.981332						
321000	4.841727	4.900962						
322000	4.841636	4.404837						
323000	4.907494	4.852053						
324000	4.827417	4.996497						
325000	4.678584	4.861984						
326000	4.890582	5.130954						
327000	5.160513	4.85005						
328000	4.896373	4.889737						
329000	5.056279	4.656923						
330000	5.682749	4.078982						
331000	4.695728	4.882968						
332000	4.689998	4.733059						
333000	3.744133	4.806526						
334000	4.652329	4.83787						
335000	4.450333	4.923865						
336000	5.084613	4.831834						
337000	4.673123	4.833324						
338000	3.873468	4.667113						
339000	4.405956	4.489373						
340000	4.440503	4.836678						
341000	4.478715	4.653863						
342000	4.744313	4.07606						
343000	4.626236	4.882911						
344000	4.586123	5.023885						
345000	5.027117	4.046506						
346000	4.683972	4.79797						
347000	4.524578	4.730674						
348000	4.76313	4.826272						
349000	4.612365	5.327016						
350000	4.621299	4.820761						
351000	4.736853	5.358127						

352000	4.629958	5.429141						
353000	4.492358	4.836546						
354000	4.810152	5.085473						
355000	4.683334	4.818116						
356000	5.314427	4.795121						
357000	4.653228	5.047317						
358000	4.96558	5.063164						
359000	4.173861	4.433006						
360000	3.938467	4.646315						
361000	4.611129	4.666857						
362000	4.666169	4.78769						
363000	5.045439	4.42866						
364000	4.602638	4.893263						
365000	4.763164	4.864988						
366000	5.271958	4.394379						
367000	4.675228	4.842349						
368000	4.858736	4.861563						
369000	4.276558	4.915612						
370000	4.800514	4.823872						
371000	4.898117	4.83042						
372000	5.059325	4.988771						
373000	4.604533	4.529718						
374000	4.552024	4.776712						
375000	4.810449	4.861622						
376000	4.762524	4.690667						
377000	4.309915	4.420059						
378000	4.531182	4.80199						
379000	4.737752	5.033683						
380000	4.18617	4.123892						
381000	4.282981	4.923851						
382000	4.224072	4.86899						
383000	3.663762	4.834849						

384000	3.670098	4.821792						
385000	3.722039	4.870082						
386000	4.543931	4.676235						
387000	4.338417	4.826416						
388000	4.567541	5.488677						
389000	3.585845	4.85312						
390000	4.697927	4.611945						
391000	4.890869	4.848109						
392000	4.671545	5.033166						
393000	4.212749	4.697116						
394000	4.425996	4.92735						
395000	4.669347	4.540525						
396000	4.656627	5.202088						
397000	4.407483	4.913129						
398000	4.447008	4.760218						
399000	5.534056	4.558314						
400000	4.546233	4.740936						
401000	4.420359	5.010457						
402000	4.213926	4.752501						
403000	4.739377	4.888249						
404000	4.735394	4.429332						
405000	4.725568	4.42044						
406000	4.375295	4.866514						
407000	4.645184	4.809526						
408000	5.094717	4.611084						
409000	4.509689	4.832683						
410000	4.252176	4.83696						
411000	4.774022	5.144913						
412000	4.239657	4.979192						
413000	4.593069	4.847048						
414000	4.715104	5.190557						
415000	4.807456	4.802809						

416000	4.741117	4.612784						
417000	4.80337	4.729632						
418000	4.412251	4.520433						
419000	4.623877	5.350559						
420000	4.040917	4.802327						
421000	4.685245	4.343544						
422000	4.964082	4.738512						
423000	4.477164	4.585021						
424000	4.207802	4.75343						
425000	4.082235	5.004628						
426000	4.39706	4.778545						
427000	4.516842	4.812473						
428000	4.519752	4.715142						
429000	4.82002	5.591389						
430000	4.455017	8.042794						
431000	5.010171	4.738175						
432000	4.412216	4.569471						
433000	4.537869	4.862827						
434000	4.032813	5.78086						
435000	4.508748	4.643105						
436000	3.44532	4.677839						
437000	4.5688	4.874146						
438000	4.425505	4.807596						
439000	4.648801	4.009284						
440000	5.726032	4.70737						
441000	4.712176	4.817903						
442000	4.596922	4.748936						
443000	3.998662	4.593814						
444000	3.88169	4.740075						
445000	4.472294	4.818443						
446000	4.508337	4.782222						
447000	4.220467	4.84407						

448000	4.404908	4.6608						
449000	4.479231	4.885549						
450000	4.686583	4.71052						
451000	4.583076	4.773153						
452000	4.482559	4.707791						
453000	4.451761	4.899069						
454000	4.447763	4.825131						
455000	4.693613	4.808868						
456000	4.382715	4.803457						
457000	4.301399	4.745131						
458000	4.376925	4.731505						
459000	4.649731	4.820399						
460000	4.339268	4.676085						
461000	4.553973	4.869848						
462000	4.115601	4.311718						
463000	4.450864	4.923239						
464000	4.148288	4.745791						
465000	4.30415	4.366504						
466000	4.037445	4.77063						
467000	4.016182	4.895457						
468000	3.989337	4.710861						
469000	4.306567	4.861733						
470000	4.218883	4.713275						
471000	4.450231	4.855793						
472000	4.121205	4.571122						
473000	4.401481	4.820964						
474000	4.442482	4.857468						
475000	4.16971	4.778941						
476000	4.397891	5.067089						
477000	4.069314	4.70144						
478000	4.085903	4.975557						
479000	4.321013	4.814197						

480000	4.437936	4.792154						
481000	4.072595	4.755736						
482000	4.511765	4.517791						
483000	4.692725	4.783275						
484000	4.702071	4.648704						
485000	4.694	4.661929						
486000	4.494331	4.621897						
487000	5.080771	3.711404						
488000	4.292187	4.590497						
489000	4.490502	4.674998						
490000	4.431788	4.665694						
491000	4.445913	5.089607						
492000	4.774534	4.578314						
493000	4.311324	4.963499						
494000	4.289569	4.572759						
495000	4.472323	4.968194						
496000	4.273312	4.492019						
497000	4.340265	4.606345						
498000	4.162626	4.429821						
499000	4.541979	4.940081						
500000	4.658517	4.398384						
501000	4.444675	4.5596						
502000	4.42489	4.79162						
503000	4.218612	4.686855						
504000	4.624077	4.746439						
505000	4.501924	4.780645						
506000	4.516731	4.602651						
507000	4.686953	4.425106						
508000	4.314218	3.628143						
509000	4.098864	4.56683						
510000	4.09616	4.56216						
511000	4.042558	4.835863						



512000	3.635026	4.533656						
513000	4.303667	4.520692						
514000	4.672773	4.638459						
515000	4.16315	5.070816						
516000	3.904586	4.403871						
517000	3.963146	4.620763						
518000	4.421699	4.662443						
519000	4.40904	4.127355						
520000	4.666033	4.531837						
521000	4.488979	4.474888						
522000	4.198964	4.731978						
523000	4.2596	4.718014						
524000	4.550851	4.500536						
525000	4.411038	5.033328						
526000	3.381129	4.587432						
527000	4.128338	4.702585						
528000	3.772994	4.814981						
529000	4.110501	4.933125						
530000	4.256389	5.021839						
531000	4.328589	4.712141						
532000	4.159146	4.618563						
533000	4.393569	4.726755						
534000	4.414223	4.568257						
535000	4.43172	4.618348						
536000	4.200285	4.700351						
537000	3.933831	4.674955						
538000	3.89574	4.690033						
539000	4.480329	4.983702						
540000	3.940871	4.578041						
541000	4.450313	4.58929						
542000	4.364259	3.768444						
543000	4.316556	4.567518						

544000	4.406148	4.355029						
545000	4.24247	4.387267						
546000	4.300894	4.656005						
547000	4.362312	4.518144						
548000	4.251038	5.013907						
549000	4.045853	4.654226						
550000	4.198748	4.846851						
551000	4.080795	4.344924						
552000	4.041138	4.645751						
553000	3.975145	4.619914						
554000	4.137158	4.87143						
555000	4.021958	4.709357						
556000	4.122248	4.604925						
557000	4.202063	4.597577						
558000	4.000483	4.479243						
559000	4.213746	4.64323						
560000	3.927391	4.457553						
561000	4.37315	4.836015						
562000	3.795304	4.503837						
563000	4.187834	4.48408						
564000	4.182931	4.903897						
565000	4.219304	4.471903						
566000	4.33967	4.336945						
567000	4.189863	4.404262						
568000	3.77288	4.689062						
569000	4.215485	4.598847						
570000	4.269959	3.969494						
571000	4.011641	4.472307						
572000	4.28102	4.725759						
573000	4.523893	4.486256						
574000	4.282441	3.708757						
575000	3.496571	4.515246						

576000	4.223601	4.409441						
577000	4.318044	4.681679						
578000	4.118374	4.628662						
579000	3.597076	4.539009						
580000	4.043372	4.775217						
581000	4.20309	3.995251						
582000	4.297092	3.919357						
583000	3.303128	4.495154						
584000	4.334525	4.599944						
585000	4.169101	4.429321						
586000	4.225434	4.284775						
587000	4.641129	4.445373						
588000	4.389004	4.476285						
589000	4.275806	4.720628						
590000	4.297076	4.601728						
591000	4.473462	4.543002						
592000	4.081446	4.533563						
593000	4.283293	3.928786						
594000	3.98997	4.514898						
595000	4.509572	4.480701						
596000	3.894047	4.759368						
597000	3.984763	4.740045						
598000	4.132036	4.751158						
599000	4.375609	4.543224						
600000	4.051661	4.610369						
601000	4.069554	4.743354						
602000	3.527216	4.587197						
603000	4.249145	3.913537						
604000	4.007246	4.599796						
605000	4.307948	3.987656						
606000	4.011763	4.686515						
607000	4.261052	4.488422						

608000	3.937486	4.84094						
609000	4.084785	4.779152						
610000	4.280312	4.575884						
611000	4.219953	4.526933						
612000	3.981762	4.2952						
613000	4.16413	4.854549						
614000	4.183123	4.562149						
615000	5.704817	4.805285						
616000	4.035485	5.371954						
617000	4.063805	4.740638						
618000	4.086681	4.736376						
619000	4.348786	4.757564						
620000	4.342285	4.6789						
621000	4.291613	4.723596						
622000	4.158764	4.856348						
623000	4.290606	4.762778						
624000	4.275893	4.800924						
625000	4.247961	4.794199						
626000	4.285225	4.731742						
627000	4.221839	4.717258						
628000	4.435455	4.686614						
629000	4.255325	4.67161						
630000	4.162695	4.566042						
631000	4.26718	4.59938						
632000	4.195727	4.573012						
633000	3.867035	4.699775						
634000	4.170132	4.707186						
635000	4.204104	4.733696						
636000	4.012512	4.594469						
637000	3.927925	4.61905						
638000	3.980961	4.599943						
639000	3.90138	4.592993						

640000	3.942738	4.408781						
641000	3.850771	4.590504						
642000	4.127987	4.763804						
643000	4.103164	4.537837						
644000	4.077085	4.5396						
645000	3.976418	4.574866						
646000	3.879224	4.734376						
647000	4.088286	4.655468						
648000	4.005149	4.45952						
649000	4.308257	4.608335						
650000	3.663434	4.297824						
651000	4.077337	4.473372						
652000	4.12931	4.545728						
653000	3.26526	4.597312						
654000	4.290512	4.070962						
655000	4.214447	4.541387						
656000	4.268156	4.589094						
657000	4.094399	3.921655						
658000	4.200468	4.622091						
659000	3.513678	4.379573						
660000	4.196614	3.931195						
661000	3.948207	4.581325						
662000	4.332843	4.03351						
663000	4.135344	4.43274						
664000	3.876794	4.477492						
665000	4.352981	4.559783						
666000	3.981329	4.687356						
667000	3.97294	3.88311						
668000	3.941648	4.361793						
669000	4.06306	4.806013						
670000	3.553876	4.47089						
671000	4.772007	4.454364						

672000	3.986871	4.505197						
673000	4.14412	4.703529						
674000	4.332793	4.533629						
675000	3.925058	4.564618						
676000	4.144919	4.049126						
677000	4.019116	4.528349						
678000	4.221083	4.495888						
679000	3.877797	4.520646						
680000	4.28733	4.345635						
681000	3.922847	4.898223						
682000	3.770668	4.545538						
683000	3.344155	4.588111						
684000	3.726046	4.851511						
685000	3.188058	4.338176						
686000	3.794303	4.365252						
687000	3.83753	4.44293						
688000	3.884676	4.908734						
689000	3.874593	4.533509						
690000	4.182142	4.501961						
691000	4.012559	4.580321						
692000	4.083166	4.459922						
693000	4.164632	4.642523						
694000	4.032792	4.699444						
695000	3.957961	4.540846						
696000	3.972354	4.407889						
697000	4.135937	4.67116						
698000	3.976933	4.568862						
699000	3.998168	4.562595						
700000	4.13287	4.292813						
701000	4.085173	4.696859						
702000	3.51281	4.388939						
703000	3.763612	4.371286						

704000	3.891486	4.341961						
705000	3.868062	4.616119						
706000	3.429544	4.489034						
707000	3.993428	4.754886						
708000	3.29782	4.368084						
709000	4.241848	4.382841						
710000	4.022377	4.460996						
711000	4.036689	4.704065						
712000	4.201919	4.431465						
713000	3.997177	4.513944						
714000	4.09413	4.54442						
715000	3.885354	4.654175						
716000	3.261325	4.422963						
717000	4.144527	4.41676						
718000	3.872026	4.56251						
719000	4.233367	4.455545						
720000	4.056034	4.330012						
721000	4.058605	4.635312						
722000	3.979728	4.730251						
723000	3.700625	4.501528						
724000	3.836884	4.604961						
725000	3.883127	4.853276						
726000	3.738103	4.468905						
727000	3.882781	4.629012						
728000	3.833993	3.830483						
729000	4.153123	4.4632						
730000	3.86673	4.51101						
731000	4.025061	4.397504						
732000	4.258001	4.402133						
733000	3.943684	4.508172						
734000	3.849632	4.824172						
735000	3.158879	4.013406						

736000	3.884956	4.022707						
737000	3.936734	4.270754						
738000	3.642908	4.639372						
739000	3.778138	4.363262						
740000	3.917411	4.748741						
741000	3.976451	4.238605						
742000	3.498294	4.374771						
743000	3.977859	4.396586						
744000	3.74465	4.573247						
745000	4.028976	4.539809						
746000	3.855543	4.460695						
747000	3.976452	4.465161						
748000	4.189458	4.312572						
749000	3.86526	4.605301						
750000	3.514618	4.343938						
751000	4.0474	4.207289						
752000	3.932618	4.482242						
753000	3.871509	4.148226						
754000	3.509176	4.642348						
755000	3.785269	4.193643						
756000	3.941358	4.663949						
757000	3.918579	4.565271						
758000	3.56908	4.407973						
759000	4.193996	4.469414						
760000	3.992682	4.538736						
761000	3.306304	4.307475						
762000	3.848301	4.649913						
763000	3.987226	4.413992						
764000	4.204667	4.434514						
765000	3.890129	4.497945						
766000	3.477828	4.309516						
767000	3.868491	4.514781						



768000	3.820287	4.42885						
769000	3.802145	4.662929						
770000	3.685379	4.45975						
771000	3.941392	4.547206						
772000	4.015966	4.341379						
773000	4.057265	4.494049						
774000	3.81114	4.447908						
775000	3.973949	4.571266						
776000	4.094453	4.426162						
777000	3.801428	3.701018						
778000	3.928642	4.488595						
779000	4.046481	3.992801						
780000	3.696678	4.393893						
781000	4.196057	4.598629						
782000	3.190702	4.288471						
783000	3.855721	4.559142						
784000	3.974993	4.462902						
785000	3.686519	4.198597						
786000	3.989439	4.471414						
787000	3.908062	3.911189						
788000	3.883676	3.729733						
789000	3.79141	4.525579						
790000	3.559849	4.392009						
791000	3.943907	4.41069						
792000	3.92643	3.884782						
793000	3.958759	4.582009						
794000	3.397714	4.424411						
795000	3.867452	4.416578						
796000	4.001135	4.343502						
797000	3.941855	4.009177						
798000	3.943116	4.40567						
799000	4.174616	4.503962						

800000	4.059814	4.279692						
801000	4.041682	4.443694						
802000	4.02311	4.622837						
803000	5.238717	3.640665						
804000	3.990613	4.299682						
805000	4.029722	4.55266						
806000	4.119	4.699036						
807000	3.963088	4.629968						
808000	4.027487	4.536437						
809000	3.846344	4.744951						
810000	3.903618	4.650357						
811000	3.920051	4.639526						
812000	3.937326	4.64413						
813000	3.892738	4.371699						
814000	3.965254	4.607338						
815000	3.912978	4.628979						
816000	3.840458	4.560866						
817000	3.861509	4.633556						
818000	3.958064	4.47112						
819000	3.872556	4.564067						
820000	3.903589	4.220109						
821000	3.681069	4.536697						
822000	3.93962	4.379245						
823000	3.889302	4.490446						
824000	3.884696	4.264152						
825000	3.877041	4.513932						
826000	3.908685	4.246949						
827000	3.9245	4.474296						
828000	3.945127	4.501927						
829000	3.772823	4.415615						
830000	3.807544	4.212204						
831000	3.665367	4.543658						

832000	3.961728	4.505549						
833000	3.715833	4.547444						
834000	4.057248	4.47772						
835000	3.362236	4.457365						
836000	3.829947	3.975604						
837000	3.806865	4.764104						
838000	3.717661	4.491264						
839000	3.912191	3.974324						
840000	3.862026	4.691765						
841000	3.827286	4.348073						
842000	3.980619	4.331346						
843000	3.905423	4.471517						
844000	3.84069	4.546722						
845000	3.877347	4.436904						
846000	4.170619	4.377725						
847000	3.938808	4.59175						
848000	3.766887	4.286846						
849000	3.530274	4.605799						
850000	3.711815	4.548626						
851000	3.596555	4.628421						
852000	3.393162	4.315138						
853000	3.038098	4.446119						
854000	3.794011	4.523754						
855000	3.752179	4.571793						
856000	3.849958	4.071869						
857000	3.789563	4.594103						
858000	3.670212	4.487949						
859000	3.605406	4.624611						
860000	3.803289	4.389513						
861000	3.883137	4.583686						
862000	4.283444	4.082263						
863000	3.61772	4.322445						

864000	3.794322	4.411448						
865000	3.757771	4.421266						
866000	3.853435	4.543087						
867000	3.88897	4.356169						
868000	3.695218	4.402596						
869000	3.872425	4.474623						
870000	3.695559	4.44757						
871000	3.730698	4.408276						
872000	3.768311	4.551077						
873000	3.700056	4.767534						
874000	3.734762	4.675877						
875000	3.723664	4.420262						
876000	3.552191	4.293186						
877000	3.265734	4.537785						
878000	3.624145	4.287069						
879000	3.75333	4.197173						
880000	3.878178	4.521578						
881000	3.777974	4.25755						
882000	3.826181	4.512823						
883000	3.880773	4.579301						
884000	4.073832	4.401925						
885000	3.767971	4.4582						
886000	3.378397	4.438969						
887000	3.724955	4.441678						
888000	3.868859	4.530638						
889000	3.958029	4.689076						
890000	3.812808	4.138237						
891000	3.656481	4.33414						
892000	3.882388	4.045118						
893000	3.530849	4.499109						
894000	3.552646	4.452686						
895000	3.140697	4.655485						

896000	3.559361	4.338276						
897000	3.822051	4.439693						
898000	3.744052	4.521425						
899000	3.712387	4.324325						
900000	3.862454	4.353093						
901000	3.738433	4.535033						
902000	4.235994	3.938736						
903000	3.703831	4.510585						
904000	3.788804	4.477836						
905000	3.828809	4.426539						
906000	3.659494	4.593235						
907000	3.565027	4.265314						
908000	3.656843	4.467379						
909000	3.82555	4.500484						
910000	3.740311	4.780375						
911000	3.813262	4.738592						
912000	3.871515	4.349916						
913000	4.052799	4.42157						
914000	3.803317	4.033762						
915000	3.742296	4.77029						
916000	3.709729	4.391266						
917000	3.79874	4.531713						
918000	3.720344	4.413546						
919000	3.630219	4.50961						
920000	3.551619	4.296544						
921000	3.287164	4.447778						
922000	3.696404	4.11248						
923000	3.719587	4.133819						
924000	3.836199	4.402885						
925000	3.960032	4.556235						
926000	3.82155	4.359663						
927000	3.881811	4.352821						

928000	3.693748	4.48241						
929000	3.832273	4.104666						
930000	3.964354	4.549949						
931000	3.848603	4.402801						
932000	3.625426	4.69279						
933000	3.802683	4.696454						
934000	3.704668	4.482132						
935000	3.542907	4.400812						
936000	3.495158	4.386378						
937000	3.566605	4.657894						
938000	3.830425	4.68262						
939000	3.552956	4.449826						
940000	3.773619	4.275734						
941000	3.548063	4.42724						
942000	3.696146	4.360377						
943000	3.742988	4.76424						
944000	3.715819	4.383052						
945000	3.910531	4.432796						
946000	3.959322	4.288301						
947000	3.817734	4.37504						
948000	3.759102	4.27831						
949000	3.714355	4.416189						
950000	3.663904	4.502395						
951000	3.914232	4.158192						
952000	3.72739	4.52894						
953000	3.736401	4.787455						
954000	3.809339	4.053964						
955000	3.797259	4.439226						
956000	4.054219	4.508928						
957000	3.697621	4.640978						
958000	3.736675	4.566745						
959000	3.286651	4.591091						

960000	3.860931	4.371456						
961000	3.482249	4.241949						
962000	3.738413	4.301712						
963000	3.41121	3.957394						
964000	3.724284	4.396145						
965000	3.607891	4.341878						
966000	3.467	4.387834						
967000	3.797769	4.447806						
968000	3.963594	4.343075						
969000	3.846063	4.006376						
970000	3.788992	4.642402						
971000	3.580546	4.429671						
972000	3.982678	4.386237						
973000	4.096047	4.497181						
974000	3.900427	4.490383						
975000	3.877806	4.590775						
976000	3.787518	4.423395						
977000	4.044024	3.928326						
978000	5.050532	4.63346						
979000	3.855451	4.711386						
980000	4.358637	4.636153						
981000	3.719982	4.631694						
982000	4.123912	4.614726						
983000	4.034364	4.550102						
984000	3.981044	4.483253						
985000	3.859184	4.664445						
986000	3.952373	4.581485						
987000	4.080285	4.638126						
988000	3.775935	4.571213						
989000	3.850685	4.459795						
990000	4.001241	4.427539						
991000	3.923905	4.463526						

992000	3.571522	4.475626						
993000	3.88807	4.43396						
994000	3.866212	4.381456						
995000	3.845157	4.506005						
996000	3.817696	4.433118						
997000	3.853275	4.543341						
998000	3.899344	4.550018						
999000	3.908122	4.453489						
1000000	3.787288	4.569067						
1001000	3.408524	4.601067						
1002000	3.810979	4.624069						
1003000	3.878219	4.345343						
1004000	3.623817	4.549268						
1005000	3.799119	4.187875						
1006000	3.678132	4.396797						
1007000	4.046662	3.925963						
1008000	3.414588	4.397594						
1009000	3.797387	4.344659						
1010000	3.945501	4.503114						
1011000	3.872455	4.555818						
1012000	3.864662	4.711344						
1013000	3.840382	4.363348						
1014000	3.690778	4.229561						
1015000	3.520163	4.42659						
1016000	3.779814	4.415572						
1017000	3.99316	4.280991						
1018000	3.922512	4.645926						
1019000	3.845716	4.021269						
1020000	3.567243	4.44309						
1021000	3.599138	4.539207						
1022000	3.182593	4.310097						
1023000	3.243232	4.491082						



1024000	3.784162	4.43226						
1025000	3.555685	4.513635						
1026000	3.686081	4.187181						
1027000	3.63341	4.424308						
1028000	3.754479	4.200096						
1029000	3.556402	4.648282						
1030000	3.719975	4.545363						
1031000	3.368291	4.474277						
1032000	3.806133	4.70189						
1033000	3.77296	4.318095						
1034000	3.586041	4.146467						
1035000	3.771572	3.901783						
1036000	3.773756	4.400383						
1037000	3.74694	4.62847						
1038000	3.797703	4.446615						
1039000	3.868938	4.393175						
1040000	4.071654	4.297163						
1041000	3.843772	4.562874						
1042000	3.288714	4.435868						
1043000	3.426541	4.68131						
1044000	3.699472	4.003174						
1045000	3.728055	4.606737						
1046000	3.636042	4.235392						
1047000	3.680719	4.65924						
1048000	3.806638	4.457354						
1049000	3.715185	4.489076						
1050000	3.582957	4.749019						
1051000	3.838419	4.370582						
1052000	3.679554	4.352186						
1053000	4.016868	4.416822						
1054000	3.751829	4.469888						
1055000	3.830252	4.66273						

1056000	3.477226	4.297862						
1057000	4.007174	4.38298						
1058000	3.192521	4.392322						
1059000	6.020139	3.92186						
1060000	3.687615	4.687125						
1061000	3.34452	4.961666						
1062000	3.686804	4.189939						
1063000	4.20406	4.436443						
1064000	3.8978	4.074675						
1065000	3.833211	4.801337						
1066000	3.686546	6.42769						
1067000	3.642421	3.790136						
1068000	3.988821	4.568378						
1069000	3.635191	4.489066						
1070000	3.858521	4.347121						
1071000	3.882875	4.532957						
1072000	3.827203	4.607167						
1073000	3.98774	4.694496						
1074000	4.008196	4.480454						
1075000	3.953761	4.334688						
1076000	3.768331	4.398994						
1077000	3.88877	4.551229						
1078000	3.817239	4.439992						
1079000	3.813309	4.534735						
1080000	3.834951	4.299583						
1081000	3.798058	4.490707						
1082000	3.81017	4.520821						
1083000	3.728291	4.280875						
1084000	3.711051	4.494036						
1085000	3.45462	4.42746						
1086000	3.538182	4.52852						
1087000	3.462825	4.541925						

1088000	3.794209	4.508439						
1089000	3.824219	4.586722						
1090000	3.712579	4.411095						
1091000	3.948287	4.597104						
1092000	3.803761	4.5464						
1093000	3.782773	3.867052						
1094000	3.647867	4.510977						
1095000	3.790469	4.712015						
1096000	3.70521	4.504138						
1097000	3.791137	4.488664						
1098000	3.714145	4.501807						
1099000	3.662665	4.054918						
1100000	3.485333	4.124126						
1101000	3.990092	3.994598						
1102000	3.540911	4.535374						
1103000	3.858347	4.47695						
1104000	3.357504	4.444254						
1105000	3.566862	4.526574						
1106000	3.83399	4.402525						
1107000	3.569148	4.294567						
1108000	3.79075	4.359414						
1109000	3.614528	4.512596						
1110000	3.707441	3.934286						
1111000	3.659068	4.75138						
1112000	3.532763	4.690355						
1113000	3.463812	4.552013						
1114000	3.63155	4.633263						
1115000	3.669511	4.156367						
1116000	3.708417	4.636584						
1117000	3.682943	4.457333						
1118000	3.911501	4.428002						
1119000	3.41834	4.492272						

1120000	3.746784	4.655752						
1121000	3.602343	4.410039						
1122000	3.463413	4.593008						
1123000	3.753117	4.338143						
1124000	3.825907	4.429347						
1125000	3.860403	4.434649						
1126000	3.808855	4.099038						
1127000	3.585542	4.443908						
1128000	3.81627	4.430007						
1129000	3.805244	4.407652						
1130000	3.676048	4.16978						
1131000	3.684653	4.178233						
1132000	3.714522	4.682769						
1133000	3.172534	4.393463						
1134000	3.660028	4.314759						
1135000	3.722823	4.820065						
1136000	3.722894	4.046495						
1137000	3.738611	4.531143						
1138000	3.818601	4.46072						
1139000	3.760722	4.578751						
1140000	3.688981	4.609036						
1141000	3.490382	4.489741						
1142000	3.739746	4.442403						
1143000	3.84704	4.170412						
1144000	3.303378	4.38886						
1145000	3.937039	4.573799						
1146000	3.204727	4.539022						
1147000	3.833306	4.583865						
1148000	3.418836	4.49945						
1149000	3.663402	4.067623						
1150000	3.317765	4.351903						
1151000	3.534478	4.426922						

1152000	3.153279	4.253154						
1153000	3.478919	4.471586						
1154000	3.562377	4.117705						
1155000	3.64762	4.42985						
1156000	3.818048	4.481448						
1157000	3.526714	4.446153						
1158000	3.718726	4.527942						
1159000	3.791911	4.364226						
1160000	3.797103	4.232337						
1161000	3.8384	4.530535						
1162000	3.824309	4.408033						
1163000	3.84833	4.082856						
1164000	3.676929	4.289814						
1165000	3.701676	3.84142						
1166000	3.806245	4.475815						
1167000	3.736275	4.577823						
1168000	3.933838	4.431901						
1169000	3.877352	4.397198						
1170000	3.871052	4.3189						
1171000	3.666735	4.448496						
1172000	3.778709	4.508622						
1173000	3.505112	4.484498						
1174000	3.340975	4.240977						
1175000	3.710657	4.174854						
1176000	3.46206	4.389808						
1177000	3.767146	4.738755						
1178000	3.488342	4.501953						
1179000	3.698934	4.633207						
1180000	3.330932	4.260385						
1181000	3.981314	4.513335						
1182000	3.707163	4.401889						
1183000	3.626591	4.569881						

1184000	3.581973	4.251479						
1185000	3.739914	4.62192						
1186000	3.467124	4.401675						
1187000	3.865662	4.671029						
1188000	3.74845	4.588839						
1189000	3.686049	4.587811						
1190000	3.739287	4.350903						
1191000	3.735585	4.734218						
1192000	3.475096	4.551579						
1193000	3.158735	4.6157						
1194000	3.500502	4.458719						
1195000	3.620206	4.190188						
1196000	3.642698	4.568849						
1197000	3.485679	3.787467						
1198000	3.605907	4.214745						
1199000	3.612562	4.42586						
1200000	3.836161	4.423321						
1201000	3.858392	4.449884						
1202000	3.72677	3.866049						
1203000	3.849385	4.420639						
1204000	3.673602	4.124902						
1205000	3.434048	4.493974						
1206000	3.708293	4.244612						
1207000	3.946147	4.479942						
1208000	3.846994	4.245213						
1209000	3.841806	4.542635						
1210000	3.807034	4.590356						
1211000	3.729334	4.236322						
1212000	3.512758	4.293947						
1213000	4.111565	4.342582						
1214000	3.476573	4.480368						
1215000	3.384082	4.554789						

1216000	3.732023	4.356404						
1217000	3.265105	4.4251						
1218000	3.570182	4.51462						
1219000	3.764537	4.477272						
1220000	3.509357	4.601242						
1221000	3.761229	4.278655						
1222000	3.057091	4.483346						
1223000	3.630189	4.671062						
1224000	3.760813	4.448316						
1225000	3.738326	4.504555						
1226000	3.444329	4.077971						
1227000	3.815105	4.467387						
1228000	3.847238	4.230332						
1229000	3.707826	4.516189						
1230000	3.845718	4.458837						
1231000	3.753889	4.228241						
1232000	3.765535	4.412555						
1233000	3.857802	4.475687						
1234000	3.979147	4.301179						
1235000	3.660637	4.382617						
1236000	3.473786	4.482946						
1237000	3.615863	4.675008						
1238000	3.284111	4.426123						
1239000	3.450499	4.711621						
1240000	3.502792	4.28608						
1241000	3.500854	4.515184						
1242000	3.449012	4.493941						
1243000	3.671962	3.977247						
1244000	3.680383	4.506852						
1245000	3.756632	3.983849						
1246000	3.620379	4.564844						
1247000	3.621721	4.485446						

1248000	3.780787	4.285418						
1249000	3.882893	4.502796						
1250000	3.820633	4.433761						
1251000	3.752384	4.048732						
1252000	3.725762	4.33419						
1253000	3.321573	4.403981						
1254000	3.758991	4.667586						
1255000	3.76264	4.48641						
1256000	3.803677	4.572999						
1257000	3.50095	4.571813						
1258000	3.697418	4.497565						
1259000	3.632064	4.13808						
1260000	3.741007	4.101371						
1261000	3.595869	4.607982						
1262000	3.815707	4.432809						
1263000	3.761664	4.468849						
1264000	3.660637	4.48485						
1265000	3.752282	4.478859						
1266000	3.784573	4.388434						
1267000	3.892865	4.550684						
1268000	3.657164	4.60978						
1269000	3.676775	4.619773						
1270000	3.722457	4.496685						
1271000	3.524511	4.644547						
1272000	3.76115	4.188141						
1273000	3.861142	4.355034						
1274000	3.898474	4.499936						
1275000	3.831333	4.447794						
1276000	3.759506	3.87652						
1277000	3.754011	4.355574						
1278000	3.743677	4.180464						
1279000	3.393967	4.446878						



1280000	3.619201	4.494688						
1281000	3.523347	4.480729						
1282000	3.640066	4.602448						
1283000	3.594635	4.495631						
1284000	3.71582	4.28327						
1285000	3.535216	4.490679						
1286000	3.776859	4.453141						
1287000	3.709223	4.391724						
1288000	3.446206	4.390081						
1289000	3.65084	4.130048						
1290000	3.458829	4.365955						
1291000	3.386553	4.572001						
1292000	3.714166	4.34617						
1293000	3.82391	4.489634						
1294000	3.771335	4.483981						
1295000	3.751173	4.312087						
1296000	3.802076	4.508871						
1297000	3.95375	4.519906						
1298000	4.018323	4.327016						
1299000	3.45515	4.448261						
1300000	3.825826	4.512968						
1301000	3.650347	4.578367						
1302000	3.626949	4.129852						
1303000	3.620866	4.547926						
1304000	3.592054	4.358844						
1305000	3.699063	3.939937						
1306000	3.659052	4.440031						
1307000	3.884141	4.5245						
1308000	3.635057	4.422971						
1309000	3.877597	4.573873						
1310000	3.51105	4.386318						
1311000	3.697338	3.738565						

1312000	3.723237	4.507341						
1313000	3.78565	4.420877						
1314000	3.69449	4.018517						
1315000	3.882749	4.490403						
1316000	3.501913	4.593192						
1317000	3.532216	4.118905						
1318000	3.5581	4.62922						
1319000	3.563535	4.47802						
1320000	3.652118	4.259173						
1321000	3.545281	4.688419						
1322000	3.667936	4.445817						
1323000	3.586242	4.537148						
1324000	3.231566	4.499235						
1325000	3.609251	4.631749						
1326000	3.605828	4.522725						
1327000	3.543216	4.208062						
1328000	3.585394	4.416507						
1329000	3.850641	4.573608						
1330000	3.637135	4.277306						
1331000	3.487473	4.468546						
1332000	3.9069	4.363423						
1333000	3.875829	4.408197						
1334000	3.57117	4.428489						
1335000	3.678619	4.529778						
1336000	3.522013	4.373216						
1337000	3.713385	4.152583						
1338000	4.011544	4.304203						
1339000	3.558363	4.722122						
1340000	3.788983	4.451542						
1341000	3.608618	4.737386						
1342000	3.571493	4.563145						
1343000	3.748212	4.693945						

1344000	3.699789	4.13792						
1345000	3.793251	4.336154						
1346000	3.603845	4.656275						
1347000	5.222944	4.652004						
1348000	4.100338	4.523783						
1349000	4.125782	4.800115						
1350000	4.083201	4.68647						
1351000	3.977466	4.716927						
1352000	3.940174	4.700537						
1353000	4.005994	4.721882						
1354000	4.020866	4.645483						
1355000	3.768418	4.578694						
1356000	3.769347	4.582762						
1357000	3.786012	4.547756						
1358000	3.877518	4.612524						
1359000	3.79906	4.516524						
1360000	3.848293	4.307922						
1361000	3.712002	4.444469						
1362000	3.218905	4.454889						
1363000	3.632068	4.398719						
1364000	3.404852	4.561938						
1365000	3.588919	4.403565						
1366000	3.620093	4.221072						
1367000	3.498115	4.548273						
1368000	3.593242	4.474839						
1369000	3.555946	4.362029						
1370000	3.353923	4.388329						
1371000	3.680388	4.469023						
1372000	3.43709	4.433802						
1373000	3.737695	4.412242						
1374000	3.198346	4.032686						
1375000	3.646864	4.534148						

1376000	3.622609	4.512999						
1377000	3.652428	4.510136						
1378000	3.718614	4.243401						
1379000	3.610141	4.488168						
1380000	3.97537	4.587142						
1381000	3.664764	4.558992						
1382000	3.625641	4.417675						
1383000	3.688169	4.523023						
1384000	3.945845	4.358064						
1385000	3.646372	4.672356						
1386000	3.701974	4.418488						
1387000	3.33859	4.232102						
1388000	3.519784	4.488684						
1389000	3.655822	4.419122						
1390000	3.419514	4.596866						
1391000	3.566863	4.408053						
1392000	3.473075	4.623771						
1393000	3.756617	4.530333						
1394000	3.839597	4.457256						
1395000	3.734069	4.376011						
1396000	3.329782	4.421167						
1397000	3.840173	4.654445						
1398000	3.786384	4.462726						
1399000	3.810908	4.520848						
1400000	3.829401	4.417373						
1401000	3.283273	4.512641						
1402000	3.731852	4.6756						
1403000	3.828405	4.496738						
1404000	3.531737	4.420188						
1405000	3.716653	4.126393						
1406000	3.174126	4.411906						
1407000	3.612624	4.510647						

1408000	3.42136	4.499253						
1409000	3.585915	4.239312						
1410000	3.6898	4.488078						
1411000	3.132674	4.35369						
1412000	3.65954	4.434473						
1413000	3.460954	4.602001						
1414000	3.783183	4.444658						
1415000	3.72037	4.280754						
1416000	3.401417	4.165016						
1417000	3.686081	4.43133						
1418000	3.637627	4.169454						
1419000	3.735982	4.404546						
1420000	3.431551	4.574073						
1421000	3.42188	4.45836						
1422000	3.389606	4.594874						
1423000	3.687663	4.465681						
1424000	3.95416	4.461219						
1425000	3.782897	4.341865						
1426000	3.668777	4.645565						
1427000	3.538407	4.391237						
1428000	3.64189	4.552613						
1429000	3.562431	4.548412						
1430000	3.862416	4.207968						
1431000	3.370879	4.610158						
1432000	3.802615	4.245416						
1433000	3.380368	4.215361						
1434000	3.719602	4.071487						
1435000	3.705013	4.619421						
1436000	3.631631	4.158529						
1437000	3.810132	4.351304						
1438000	3.65003	4.542009						
1439000	3.330188	4.375833						

1440000	3.571073	4.536644						
1441000	3.739813	4.168505						
1442000	4.71253	5.078119						
1443000	3.943127	4.615762						
1444000	4.114222	4.559857						
1445000	4.048014	6.342634						
1446000	3.882927	4.230436						
1447000	3.794344	4.8699						
1448000	4.029185	4.537507						
1449000	3.513701	4.727054						
1450000	3.697602	4.623625						
1451000	3.611223	4.804762						
1452000	3.429505	4.558899						
1453000	3.57356	4.447387						
1454000	3.50989	4.404093						
1455000	3.391233	4.281582						
1456000	3.301067	4.547195						
1457000	3.796342	4.40289						
1458000	3.710856	4.624294						
1459000	3.685999	4.388901						
1460000	3.493281	4.193926						
1461000	3.623036	4.099833						
1462000	3.229667	4.328449						
1463000	3.5178	3.9602						
1464000	3.734267	4.546589						
1465000	3.763557	4.369963						
1466000	3.879422	4.551129						
1467000	3.792285	4.257688						
1468000	3.914705	4.445428						
1469000	3.766434	4.417369						
1470000	3.581062	4.496676						
1471000	3.684676	4.515231						

1472000	3.711243	4.54385						
1473000	3.79166	4.305365						
1474000	3.872343	4.531849						
1475000	3.669631	4.798349						
1476000	3.107255	4.495416						
1477000	3.711158	4.493446						
1478000	3.34685	4.432985						
1479000	3.655404	3.866496						
1480000	3.64441	4.326323						
1481000	3.422002	4.357087						
1482000	3.8545	5.18079						
1483000	4.313594	4.398982						
1484000	3.753466	5.976079						
1485000	3.966409	4.787076						
1486000	4.091748	4.606853						
1487000	4.020792	4.783467						
1488000	4.186072	4.593332						
1489000	4.010647	4.579057						
1490000	3.965281	4.651669						
1491000	3.71332	4.564504						
1492000	3.754226	4.670887						
1493000	3.606739	4.726521						
1494000	3.340842	4.711871						
1495000	3.72607	4.77526						
1496000	3.72116	4.49998						
1497000	3.627992	4.52216						
1498000	3.53782	4.439354						
1499000	3.68593	4.469525						
1500000	3.675351	4.307758						
1501000	3.778558	4.486606						
1502000	3.590248	4.414302						
1503000	3.513568	4.504436						

1504000	3.655654	4.233153						
1505000	3.419939	4.398465						
1506000	3.574875	4.02405						
1507000	3.706077	4.289997						
1508000	3.621494	4.540374						
1509000	3.768164	4.855578						
1510000	3.522432	4.556331						
1511000	3.880043	4.492774						
1512000	3.771485	4.063511						
1513000	3.458247	3.920684						
1514000	3.96303	4.438713						
1515000	3.614469	4.462016						
1516000	3.587898	4.360961						
1517000	3.759679	4.48234						
1518000	3.52849	4.590423						
1519000	3.703546	4.627736						
1520000	3.817217	4.593569						
1521000	3.790221	4.653282						
1522000	3.656931	4.297238						
1523000	3.64076	4.520754						
1524000	3.87489	4.612554						
1525000	3.690026	4.511095						
1526000	3.920947	4.52525						
1527000	3.725466	4.256342						
1528000	3.832228	4.499886						
1529000	3.728222	4.483374						
1530000	3.680396	4.48129						
1531000	3.817198	4.518299						
1532000	3.774854	4.387824						
1533000	3.624492	4.167389						
1534000	3.629887	4.390891						
1535000	3.50518	4.70211						



1536000	3.384621	4.485118						
1537000	3.590005	4.527286						
1538000	3.677729	4.354421						
1539000	3.356541	4.561278						
1540000	3.525496	4.651112						
1541000	3.668994	4.567263						
1542000	3.668243	4.439413						
1543000	3.685659	4.047793						
1544000	3.730857	4.412695						
1545000	3.692223	4.713102						
1546000	3.650528	4.494054						
1547000	3.661506	4.469515						
1548000	3.795433	4.638696						
1549000	3.604208	4.245889						
1550000	3.575025	4.532615						
1551000	3.73608	4.594086						
1552000	3.52316	4.350011						
1553000	3.818251	4.585339						
1554000	3.672047	4.520817						
1555000	3.76073	4.209262						
1556000	3.84529	4.343053						
1557000	3.731583	4.620088						
1558000	3.630367	4.423893						
1559000	3.514765	4.344336						
1560000	3.796832	4.481361						
1561000	3.715341	4.871196						
1562000	3.701632	4.548873						
1563000	3.717553	4.702173						
1564000	3.598255	4.632332						
1565000	3.774231	4.368324						
1566000	3.699413	4.511443						
1567000	3.674821	4.474832						

1568000	3.903168	4.469817						
1569000	3.873778	4.450209						
1570000	3.781552	4.524205						
1571000	3.388929	4.597162						
1572000	3.713236	4.626301						
1573000	3.769161	4.406967						
1574000	3.654988	4.429657						
1575000	3.598382	4.479411						
1576000	3.482314	4.609387						
1577000	3.615271	4.595751						
1578000	3.463057	4.250317						
1579000	3.344384	4.595806						
1580000	3.646141	4.414637						
1581000	3.386847	3.968379						
1582000	3.659656	4.419793						
1583000	3.744094	4.547051						
1584000	2.951591	4.124271						
1585000	3.336445	4.34765						
1586000	3.283447	4.632468						
1587000	3.402789	4.520368						
1588000	3.455539	4.635325						
1589000	3.638098	4.683226						
1590000	3.512185	4.566705						
1591000	3.693896	4.38568						
1592000	3.750183	4.607344						
1593000	3.730795	4.491811						
1594000	3.916232	4.269575						
1595000	3.488377	4.337402						
1596000	3.902221	4.552268						
1597000	3.800196	4.77965						
1598000	3.52997	4.789427						
1599000	3.479602	4.499261						

1600000	3.299263	4.210655						
1601000	3.628621	4.556208						
1602000	3.553414	4.553601						
1603000	3.799182	4.483827						
1604000	3.521183	4.724028						
1605000	3.630256	4.76317						
1606000	3.711162	4.262501						
1607000	3.697849	4.629056						
1608000	3.800092	4.530816						
1609000	3.708682	4.64107						
1610000	3.359405	4.287089						
1611000	3.632042	4.265876						
1612000	3.624528	4.383553						
1613000	3.729912	4.472122						
1614000	3.893434	4.638475						
1615000	3.755127	4.580651						
1616000	4.354224	4.639653						
1617000	3.815302	4.543568						
1618000	3.871032	5.101664						
1619000	3.735126	4.420121						
1620000	3.595908	4.61961						
1621000	3.767266	4.61617						
1622000	3.551711	4.571337						
1623000	3.670634	4.549043						
1624000	3.564388	4.401458						
1625000	3.418573	4.563004						
1626000	3.560774	4.324658						
1627000	3.66817	4.481639						
1628000	3.673346	4.585981						
1629000	3.458227	4.270909						
1630000	3.642294	4.150169						
1631000	3.577809	4.362162						

1632000	3.4697	4.379215						
1633000	3.397242	4.389205						
1634000	3.565295	4.302212						
1635000	3.73485	4.410009						
1636000	3.19841	4.665246						
1637000	3.72146	4.3791						
1638000	3.78877	4.31953						
1639000	3.512058	4.192026						
1640000	3.729217	4.569723						
1641000	3.585229	4.405939						
1642000	3.299867	4.18242						
1643000	3.411252	4.39869						
1644000	3.356264	4.509758						
1645000	3.631909	4.307594						
1646000	3.71527	4.135213						
1647000	3.522403	4.565488						
1648000	3.525972	4.335306						
1649000	3.504829	4.318163						
1650000	3.418096	4.645562						
1651000	3.680193	4.490059						
1652000	3.511062	4.22789						
1653000	3.739636	4.269629						
1654000	3.715417	4.607011						
1655000	3.689114	4.631051						
1656000	3.523103	4.463843						
1657000	3.596647	4.735658						
1658000	3.65429	4.488611						
1659000	3.426333	4.219265						
1660000	3.733699	4.407945						
1661000	3.387969	4.231486						
1662000	3.590635	4.444144						
1663000	3.155581	4.195613						

1664000	3.282053	4.171958						
1665000	3.519161	4.533256						
1666000	3.551877	4.282201						
1667000	3.447513	3.874264						
1668000	3.566325	4.241105						
1669000	3.145096	4.412404						
1670000	3.306389	4.332247						
1671000	3.427811	4.250823						
1672000	3.605143	4.173458						
1673000	3.673872	4.528888						
1674000	2.629288	4.506195						
1675000	3.584612	4.247637						
1676000	3.668865	4.543656						
1677000	3.704937	4.503561						
1678000	3.792425	4.37763						
1679000	3.777475	4.150529						
1680000	3.567636	4.572081						
1681000	3.67573	4.532394						
1682000	3.656415	4.520838						
1683000	3.663682	4.568798						
1684000	3.640708	4.473466						
1685000	3.6038	4.308376						
1686000	3.522729	3.919146						
1687000	3.451859	4.725059						
1688000	3.778433	4.529428						
1689000	3.759166	4.377832						
1690000	3.710762	4.601473						
1691000	3.630481	4.678729						
1692000	3.534423	4.387694						
1693000	3.536206	4.431964						
1694000	3.772395	4.596492						
1695000	3.73407	4.577941						

1696000	3.524023	4.295397						
1697000	3.617995	4.282599						
1698000	3.688031	4.344984						
1699000	3.475539	4.518072						
1700000	3.648859	4.428311						
1701000	3.726626	4.696409						
1702000	3.696987	4.521941						
1703000	3.530171	4.378581						
1704000	3.469346	4.455803						
1705000	3.554997	4.755839						
1706000	3.564955	4.566947						
1707000	3.553391	4.159257						
1708000	3.580024	4.435821						
1709000	2.972609	4.502465						
1710000	3.620708	4.385889						
1711000	3.628623	4.236524						
1712000	3.419001	4.86405						
1713000	3.656619	4.506236						
1714000	3.336387	4.324486						
1715000	3.657288	4.559276						
1716000	3.742524	4.657675						
1717000	3.637202	4.548641						
1718000	3.704475	4.501252						
1719000	3.461729	4.167043						
1720000	3.62931	4.569372						
1721000	3.707443	4.55694						
1722000	3.788159	4.535385						
1723000	3.642035	4.668789						
1724000	3.827648	4.553955						
1725000	3.545438	4.457786						
1726000	3.845037	4.433443						
1727000	3.382028	4.397477						

1728000	3.724185	4.362824						
1729000	3.436538	4.339142						
1730000	3.786214	4.434503						
1731000	3.555661	4.393107						
1732000	3.606396	4.56047						
1733000	3.453482	4.229671						
1734000	3.668854	4.459282						
1735000	3.635926	4.482646						
1736000	3.678687	4.738678						
1737000	3.842767	4.550245						
1738000	3.688508	4.032149						
1739000	3.669149	4.544438						
1740000	3.609484	4.16752						
1741000	3.893093	4.513708						
1742000	3.805795	4.418751						
1743000	3.546318	4.259374						
1744000	3.759503	4.870638						
1745000	3.741945	4.407092						
1746000	3.682918	4.818245						
1747000	3.910793	4.539071						
1748000	3.549088	4.761033						
1749000	3.948398	4.640772						
1750000	3.799986	4.582129						
1751000	3.816004	4.721163						
1752000	3.734415	4.353542						
1753000	3.766928	4.489779						
1754000	3.768483	4.38398						
1755000	3.586948	4.550252						
1756000	3.653238	4.495014						
1757000	3.631872	4.413372						
1758000	3.668824	4.36658						
1759000	3.531477	4.622811						

1760000	3.743557	4.420856						
1761000	3.48734	4.335123						
1762000	3.644779	4.550903						
1763000	3.407768	4.574465						
1764000	3.723852	4.534058						
1765000	3.593212	4.503176						
1766000	3.17223	4.548771						
1767000	3.674456	4.47307						
1768000	3.827509	4.446607						
1769000	3.672121	4.223853						
1770000	3.506944	4.279721						
1771000	3.522161	4.605127						
1772000	3.648367	4.567454						
1773000	3.587853	4.230167						
1774000	3.650668	4.504905						
1775000	3.593058	4.219958						
1776000	3.487699	4.643689						
1777000	3.726901	4.467856						
1778000	3.674687	4.670786						
1779000	3.758606	4.457594						
1780000	3.454233	4.267366						
1781000	3.817458	4.499558						
1782000	3.845571	4.567814						
1783000	3.800237	4.481551						
1784000	3.457439	4.262538						
1785000	3.726612	4.426239						
1786000	3.604404	4.260417						
1787000	3.824086	4.527376						
1788000	3.302309	4.648228						
1789000	3.616343	4.486883						
1790000	3.511073	4.400385						
1791000	3.411771	4.593382						



1792000	3.202467	4.114476						
1793000	3.763425	4.720573						
1794000	3.54233	4.414671						
1795000	3.417906	4.625894						
1796000	3.530657	4.319976						
1797000	3.675835	4.273296						
1798000	3.41489	4.358379						
1799000	3.703509	4.719309						
1800000	3.695903	4.514704						
1801000	3.322018	4.169646						
1802000	3.802017	4.468512						
1803000	3.540284	4.265235						
1804000	3.437026	4.098545						
1805000	3.017835	4.283691						
1806000	3.955622	4.5988						
1807000	3.746665	4.661498						
1808000	3.720243	4.642948						
1809000	3.749094	4.402727						
1810000	3.488592	4.416405						
1811000	3.595371	4.478523						
1812000	3.644501	4.209784						
1813000	3.632029	4.600012						
1814000	3.498356	4.48464						
1815000	3.651017	4.551386						
1816000	3.758519	4.515658						
1817000	3.7036	4.68696						
1818000	3.635555	4.101056						
1819000	3.395412	4.442005						
1820000	3.822723	4.510945						
1821000	3.550615	4.11898						
1822000	3.629144	4.664627						
1823000	3.743476	4.585724						

1824000	3.906065	4.253667					
1825000	3.832486	4.428549					
1826000	3.670399	4.664331					
1827000	3.786793	4.73925					
1828000	3.738366	4.355844					
1829000	3.872081	4.581996					
1830000	3.634684	4.474017					
1831000	3.636485	4.369793					
1832000	3.566491	4.358335					
1833000	3.329217	4.279933					
1834000	3.443333	4.589999					
1835000	3.457336	4.491233					
1836000	3.429795	4.576028					
1837000	3.44629	4.554612					
1838000	3.582406	4.510797					
1839000	3.71615	4.521741					
1840000	3.559984	4.172105					
1841000	3.52384	4.683713					
1842000	3.315249	4.564313					
1843000	3.876788	4.31017					
1844000	3.643973	4.15581					
1845000	3.580127	4.312391					
1846000	3.661676	4.471739					
1847000	3.345181	4.197013					
1848000	3.731824	4.438701					
1849000	3.518859	4.122331					
1850000	3.468951	4.391102					
1851000	3.655659	4.661035					
1852000	3.753937	4.286165					
1853000	3.835912	4.349068					
1854000	3.663698	4.680396					
1855000	3.51928	4.626662					

1856000	3.649544	4.494677						
1857000	3.457553	4.546591						
1858000	3.621321	4.247222						
1859000	3.418295	4.680552						
1860000	3.827286	4.57087						
1861000	3.671343	4.580183						
1862000	3.927869	4.460738						
1863000	3.658722	4.412248						
1864000	3.704503	4.662276						
1865000	3.707137	4.626813						
1866000	3.477066	4.389822						
1867000	3.562558	4.487067						
1868000	3.533828	4.120252						
1869000	3.772852	4.637924						
1870000	3.722137	4.585964						
1871000	3.565803	4.53439						
1872000	3.890793	4.353995						
1873000	3.862475	4.565348						
1874000	3.590559	4.564766						
1875000	3.609038	4.418319						
1876000	3.309164	4.456454						
1877000	3.350523	4.612731						
1878000	3.437049	4.243386						
1879000	3.690294	4.444158						
1880000	3.54318	4.528689						
1881000	3.32931	4.369239						
1882000	3.527544	4.562515						
1883000	3.761784	4.464238						
1884000	3.582684	4.064334						
1885000	3.672932	4.704						
1886000	3.733521	4.473302						
1887000	3.400508	4.278232						

1888000	3.67775	4.475228						
1889000	3.642866	4.239828						
1890000	3.524379	4.590224						
1891000	3.638738	4.350298						
1892000	3.291081	4.356068						
1893000	3.559189	4.369955						
1894000	3.738964	4.341234						
1895000	3.498665	4.794771						
1896000	3.713792	4.292931						
1897000	3.644654	4.412727						
1898000	3.4734	4.489977						
1899000	3.651165	4.206112						
1900000	3.620245	4.490331						
1901000	3.551788	4.588742						
1902000	3.701105	4.404918						
1903000	3.687296	4.509217						
1904000	3.720252	4.521966						
1905000	3.591775	3.939896						
1906000	3.351483	4.362584						
1907000	3.439318	4.210691						
1908000	3.299523	3.967382						
1909000	3.554375	4.403251						
1910000	3.541243	4.385629						
1911000	3.595473	4.677505						
1912000	3.879223	4.303027						
1913000	3.562762	4.555974						
1914000	3.878493	4.474717						
1915000	3.814873	4.448347						
1916000	3.496158	4.662993						
1917000	3.581118	4.301615						
1918000	3.009959	4.363894						
1919000	3.255629	4.326204						

1920000	3.564928	4.3422						
1921000	3.545774	4.53533						
1922000	3.521909	4.644943						
1923000	3.494407	4.472535						
1924000	3.529426	4.383998						
1925000	3.546949	4.681022						
1926000	3.550403	4.440021						
1927000	3.548182	4.035333						
1928000	3.367277	4.591459						
1929000	3.524868	4.24965						
1930000	3.338746	4.442384						
1931000	3.533932	4.319253						
1932000	3.491965	4.377251						
1933000	3.624072	4.36289						
1934000	3.631886	4.682321						
1935000	3.733727	4.357728						
1936000	3.502708	4.469007						
1937000	3.84682	4.408826						
1938000	3.890491	4.409213						
1939000	3.497862	4.547476						
1940000	3.782729	6.487757						
1941000	3.946902	3.099011						
1942000	4.005925	4.793522						
1943000	4.026852	4.697126						
1944000	4.003846	4.593341						
1945000	4.025777	4.675752						
1946000	3.895124	4.61494						
1947000	3.930042	4.54425						
1948000	3.874888	4.564277						
1949000	3.887914	4.26052						
1950000	3.470299	4.265938						
1951000	3.984384	4.210762						

1952000	3.721936	4.443527						
1953000	3.585834	4.64041						
1954000	3.58866	4.590621						
1955000	3.710655	4.420807						
1956000	3.242409	4.282074						
1957000	3.652016	4.265638						
1958000	3.597837	4.47483						
1959000	3.5455	4.417502						
1960000	3.465615	4.208621						
1961000	3.502329	4.443987						
1962000	3.231995	4.481421						
1963000	3.45697	4.283582						
1964000	3.487766	4.525574						
1965000	3.340173	4.151934						
1966000	3.486947	4.48648						
1967000	3.565055	4.327267						
1968000	3.538777	4.534824						
1969000	3.745524	4.461642						
1970000	3.483832	4.483796						
1971000	3.605567	4.4169						
1972000	3.437883	4.676539						
1973000	3.612785	4.617754						
1974000	3.654716	4.472502						
1975000	3.522869	4.391031						
1976000	3.706056	4.471874						
1977000	3.790364	4.589953						
1978000	3.639754	4.557069						
1979000	3.646788	4.662577						
1980000	3.737157	4.5292						
1981000	3.60412	4.450195						
1982000	3.773665	4.344447						
1983000	3.529248	4.430909						

1984000	3.57168	4.0279						
1985000	3.522327	4.711667						
1986000	3.586088	4.486261						
1987000	2.988608	4.620558						
1988000	3.583201	4.34855						
1989000	3.67779	4.490906						
1990000	3.746017	4.76523						
1991000	3.586356	4.471069						
1992000	3.606452	4.527479						
1993000	3.672923	4.621289						
1994000	3.679789	4.282087						
1995000	3.488179	4.437301						
1996000	3.836081	4.571231						
1997000	3.87699	4.435254						
1998000	3.803782	4.104836						
1999000	3.825197	4.347415						
2000000	3.769301	4.456629						
2001000	3.684496	4.660935						
2002000	3.504017	4.443594						
2003000	3.55805	4.261927						
2004000	3.471869	3.896552						
2005000	3.37187	4.34728						
2006000	3.312176	4.686868						
2007000	3.495734	4.620898						
2008000	3.462302	4.430621						
2009000	3.394172	4.409283						
2010000	3.761476	4.399831						
2011000	3.746558	4.444029						
2012000	3.710182	4.388328						
2013000	3.411239	4.716499						
2014000	3.660048	4.48911						
2015000	3.661408	4.544487						

2016000	3.44382	4.0415					
2017000	3.783387	4.64563					
2018000	3.751052	4.533508					
2019000	3.721746	4.407315					
2020000	3.588193	4.720724					
2021000	3.703333	4.322909					
2022000	3.034338	4.33958					
2023000	3.469059	4.345448					
2024000	3.520892	4.42108					
2025000	3.503592	4.500845					
2026000	3.595541	4.466752					
2027000	3.575973	4.445328					
2028000	3.68106	4.38992					
2029000	3.639111	4.569299					
2030000	3.550813	4.507315					
2031000	3.559127	4.525016					
2032000	3.801185	4.410471					
2033000	3.71178	4.457311					
2034000	3.769171	4.139501					
2035000	3.614295	4.774846					
2036000	3.724173	4.515621					
2037000	3.649644	4.525042					
2038000	3.443677	4.293619					
2039000	4.003806	4.319089					
2040000	3.612833	4.489087					
2041000	3.55353	4.557606					
2042000	3.627753	4.496455					
2043000	3.695845	4.336957					
2044000	3.678131	4.55078					
2045000	3.520675	4.525559					
2046000	3.218398	4.440269					
2047000	3.362663	4.610633					



2048000	3.480646	4.366854						
2049000	3.597354	4.378202						
2050000	3.480091	4.358012						
2051000	3.566555	4.377239						
2052000	3.461632	4.312035						
2053000	3.524261	4.365722						
2054000	3.23264	4.563425						
2055000	3.766712	4.575356						
2056000	3.812601	4.072984						
2057000	3.602528	4.398533						
2058000	3.653535	4.554745						
2059000	3.666976	4.77066						
2060000	3.684151	4.536789						
2061000	3.546071	4.6766						
2062000	3.366956	4.22721						
2063000	3.569022	4.275074						
2064000	3.679079	4.453182						
2065000	3.710993	4.484253						
2066000	3.391413	4.498372						
2067000	3.743458	4.709923						
2068000	3.758918	4.53525						
2069000	3.661125	4.501425						
2070000	3.350552	4.394768						
2071000	3.646468	4.598198						
2072000	3.719175	4.30871						
2073000	3.689931	3.927792						
2074000	3.677899	4.386909						
2075000	3.654919	4.12373						
2076000	3.696687	4.579581						
2077000	3.607352	4.606634						
2078000	3.738007	4.597962						
2079000	3.43426	4.379772						

2080000	3.261233	4.40219						
2081000	3.865263	4.442482						
2082000	3.761143	4.497935						
2083000	3.721885	4.55039						
2084000	3.685028	3.999194						
2085000	3.76772	4.763437						
2086000	3.710704	4.46605						
2087000	3.652144	4.540817						
2088000	3.545055	4.411674						
2089000	3.204048	4.552219						
2090000	3.475021	4.396012						
2091000	3.55788	4.484495						
2092000	3.543335	4.596972						
2093000	3.598326	4.319535						
2094000	3.616492	4.445029						
2095000	3.614263	4.591829						
2096000	3.681046	4.330092						
2097000	3.516671	4.206326						
2098000	3.387218	4.378173						
2099000	3.502922	4.577959						
2100000	3.764513	4.424859						
2101000	3.65319	4.258745						
2102000	3.695917	4.435847						
2103000	3.481954	4.343972						
2104000	3.437894	4.413825						
2105000	3.541448	4.582826						
2106000	3.707403	4.575796						
2107000	2.949081	4.65679						
2108000	3.463384	4.410422						
2109000	3.835413	4.741917						
2110000	3.781378	4.284413						
2111000	3.311822	4.587671						

2112000	3.731461	4.453296						
2113000	3.50859	4.250024						
2114000	3.694339	4.559384						
2115000	3.669145	4.641176						
2116000	3.679326	4.459628						
2117000	3.518638	4.337638						
2118000	3.46817	4.359677						
2119000	3.789823	4.537134						
2120000	3.760761	4.52112						
2121000	3.730137	4.480197						
2122000	3.741972	4.381808						
2123000	3.554132	8.266264						
2124000	3.855939	4.40935						
2125000	4.117437	4.627905						
2126000	3.974879	4.863879						
2127000	3.94651	4.730714						
2128000	3.953163	4.512048						
2129000	3.498177	4.601942						
2130000	3.383548	4.249931						
2131000	2.812545	4.797495						
2132000	2.61247	4.880199						
2133000	2.703929	4.741392						
2134000	2.760159	4.859856						
2135000	2.802225	4.900365						
2136000	2.854484	4.793084						
2137000	2.845983	4.430793						
2138000	2.800614	4.490224						
2139000	2.654983	5.121051						
2140000	2.824335	4.979724						
2141000	2.791741	4.933324						
2142000	2.831618	5.120665						
2143000	2.644359	4.809134						

2144000	2.672487	4.733055						
2145000	2.717405	5.068647						
2146000	2.910468	5.041774						
2147000	2.894473	5.090396						
2148000	2.917205	4.752068						
2149000	2.78676	4.925033						
2150000	2.837873	4.657926						
2151000	2.768475	5.083527						
2152000	2.905398	5.030966						
2153000	2.688407	4.898962						
2154000	2.65577	5.001168						
2155000	2.737325	4.953821						
2156000	2.816846	5.054262						
2157000	2.773214	4.829888						
2158000	2.635025	4.750477						
2159000	2.799807	4.941152						
2160000	2.819451	4.909974						
2161000	2.788281	4.801707						
2162000	2.717499	5.049993						
2163000	2.782072	4.482262						
2164000	2.713882	4.618865						
2165000	2.729034	4.941393						
2166000	2.627629	5.204783						
2167000	2.687199	5.059742						
2168000	2.541367	4.96454						
2169000	2.585464	4.891125						
2170000	2.242174	4.968831						
2171000	2.567656	4.839702						
2172000	5.101187	4.726951						
2173000	2.626467	4.693592						
2174000	2.508903	4.732974						
2175000	2.531293	4.77178						

2176000	2.548582	4.774974						
2177000	2.627581	4.910922						
2178000	2.675015	4.713509						
2179000	2.600836	4.915281						
2180000	2.594386	4.672657						
2181000	2.577214	4.948008						
2182000	2.376703	4.88242						
2183000	2.460196	4.942891						
2184000	2.494108	4.941088						
2185000	2.548714	5.082931						
2186000	2.632912	4.88624						
2187000	2.66226	4.90546						
2188000	2.688634	4.927365						
2189000	2.716301	4.860226						
2190000	2.619218	4.713517						
2191000	2.568378	4.901238						
2192000	2.674893	5.124041						
2193000	2.570724	4.952301						
2194000	2.644078	5.108675						
2195000	2.580139	4.78808						
2196000	2.521878	4.917661						
2197000	2.532353	4.825458						
2198000	2.596807	5.018682						
2199000	2.6205	4.815452						
2200000	2.640644	5.046532						
2201000	2.667776	4.933743						
2202000	2.557247	4.880116						
2203000	2.724065	4.813102						
2204000	2.557378	4.749176						
2205000	2.576371	4.714585						
2206000	2.569213	5.135804						
2207000	2.688653	5.042476						

2208000	2.541976	4.62071						
2209000	2.614428	5.12491						
2210000	2.609884	4.944925						
2211000	2.533299	5.143508						
2212000	2.519176	4.651659						
2213000	2.40399	4.845786						
2214000	2.434135	4.743928						
2215000	2.520471	5.07951						
2216000	2.576649	4.912509						
2217000	2.553168	4.926825						
2218000	2.654441	5.04026						
2219000	2.557605	5.028495						
2220000	2.534463	4.873233						
2221000	2.616868	4.731625						
2222000	2.497661	4.696314						
2223000	2.621155	4.940716						
2224000	2.554832	5.046982						
2225000	2.643706	5.222207						
2226000	2.55435	4.784515						
2227000	2.681271	5.168111						
2228000	2.576869	5.083907						
2229000	2.498918	5.044668						
2230000	2.41647	4.944015						
2231000	2.706444	4.809047						
2232000	2.40025	4.977361						
2233000	2.507412	4.826204						
2234000	2.481965	4.578065						
2235000	2.548762	4.743356						
2236000	2.707572	4.892654						
2237000	2.685472	5.056005						
2238000	2.667221	4.627769						
2239000	2.525472	4.876526						

2240000	2.659892	4.967351						
2241000	2.635877	4.865107						
2242000	2.555424	4.940111						
2243000	2.520374	4.668997						
2244000	2.522891	4.8347						
2245000	2.652787	4.85623						
2246000	2.65691	4.817603						
2247000	2.60502	4.853448						
2248000	2.501847	4.476837						
2249000	2.447539	4.840288						
2250000	2.538625	5.290183						
2251000	2.5673	4.631593						
2252000	2.500281	5.128272						
2253000	2.568626	5.148898						
2254000	2.496351	5.247848						
2255000	2.495584	5.016116						
2256000	2.474824	5.098167						
2257000	2.502792	5.093376						
2258000	2.438418	4.525399						
2259000	2.357846	4.998255						
2260000	2.441439	4.947715						
2261000	2.212868	4.746016						
2262000	2.359849	4.782123						
2263000	2.380326	4.743385						
2264000	2.413059	5.095846						
2265000	2.51087	4.927612						
2266000	2.433028	5.107672						
2267000	2.640124	4.902102						
2268000	2.513107	4.755202						
2269000	2.658684	4.976107						
2270000	2.732638	4.879282						
2271000	2.46928	4.861198						

2272000	2.633299	5.019756						
2273000	2.609423	4.999574						
2274000	2.555822	4.921574						
2275000	2.59859	4.931613						
2276000	2.71586	4.693593						
2277000	2.601941	4.617228						
2278000	2.455266	4.904296						
2279000	2.577093	4.936196						
2280000	2.460103	4.819945						
2281000	2.526454	4.905794						
2282000	2.468328	4.942642						
2283000	2.545189	4.558547						
2284000	2.943347	5.125469						
2285000	3.065312	5.063115						
2286000	2.890129	4.925325						
2287000	2.888226	4.991684						
2288000	3.005668	5.138311						
2289000	3.026476	5.224592						
2290000	2.847857	5.016186						
2291000	2.996145	5.326834						
2292000	2.697531	6.340193						
2293000	2.863479	4.701496						
2294000	2.793908	4.719793						
2295000	2.995738	5.125339						
2296000	2.892312	4.932627						
2297000	2.783052	4.941633						
2298000	2.633164	5.025292						
2299000	2.865861	5.08102						
2300000	2.748699	5.125701						
2301000	2.770992	5.252059						
2302000	2.717108	4.936614						
2303000	2.70916	5.120062						



2304000	2.811674	5.121531						
2305000	2.820301	4.850298						
2306000	2.246934	5.108583						
2307000	2.688771	4.98647						
2308000	2.579635	4.420759						
2309000	2.682182	5.024401						
2310000	2.624341	4.61516						
2311000	2.552715	4.632043						
2312000	2.636315	4.633517						
2313000	2.799005	4.767798						
2314000	3.016442	4.800578						
2315000	3.054098	4.879297						
2316000	2.725638	5.339105						
2317000	3.119869	5.030784						
2318000	2.932072	5.052185						
2319000	2.828602	5.300901						
2320000	2.884281	4.879591						
2321000	2.962879	4.730537						
2322000	2.971546	5.198704						
2323000	2.89732	5.108387						
2324000	2.866432	4.922906						
2325000	2.778038	5.109919						
2326000	2.869235	4.649905						
2327000	2.922166	4.679951						
2328000	2.989669	5.072856						
2329000	2.936261	4.890345						
2330000	2.73964	5.104589						
2331000	2.762601	4.856521						
2332000	2.820927	5.010752						
2333000	3.550196	4.462298						
2334000	2.76269	5.445372						
2335000	2.712664	4.817561						

2336000	2.927656	4.811928						
2337000	2.751875	4.678667						
2338000	2.753083	4.898251						
2339000	2.838772	4.74545						
2340000	2.739525	4.871493						
2341000	2.756229	4.732628						
2342000	2.838225	4.950936						
2343000	2.680928	4.858762						
2344000	2.695578	4.968207						
2345000	2.73385	4.923537						
2346000	2.655477	4.774037						
2347000	2.648819	4.805081						
2348000	2.76452	4.546063						
2349000	2.729519	4.776877						
2350000	2.784636	4.776693						
2351000	2.783753	4.713405						
2352000	2.68375	4.715948						
2353000	2.627703	4.47983						
2354000	2.708302	5.028475						
2355000	2.661397	4.712264						
2356000	2.802014	4.642425						
2357000	2.747433	4.808014						
2358000	2.827115	4.580018						
2359000	2.81736	4.603017						
2360000	2.736552	4.530798						
2361000	2.811205	4.745628						
2362000	2.641336	4.85935						
2363000	2.710926	4.704133						
2364000	2.837911	4.652802						
2365000	2.666006	4.827684						
2366000	2.720463	5.143986						
2367000	2.629158	5.040259						

2368000	2.621709	4.986						
2369000	2.769195	5.197078						
2370000	2.634471	4.872914						
2371000	2.762987	4.892846						
2372000	2.603011	4.811963						
2373000	2.709922	4.995526						
2374000	2.729693	4.913751						
2375000	2.694232	4.854936						
2376000	2.745184	4.735538						
2377000	2.861708	4.527213						
2378000	2.86877	4.621684						
2379000	3.035368	4.617973						
2380000	2.833311	4.402848						
2381000	2.961552	4.625817						
2382000	2.829224	4.603375						
2383000	2.927026	4.772336						
2384000	2.956752	5.013457						
2385000	2.821242	4.861885						
2386000	2.809196	4.602785						
2387000	2.821761	4.842091						
2388000	2.832131	4.980853						
2389000	2.911691	4.637678						
2390000	2.924483	4.799797						
2391000	2.855076	4.831913						
2392000	2.84028	4.895842						
2393000	2.938739	4.977354						
2394000	2.838814	4.84792						
2395000	2.683604	4.927873						
2396000	2.719555	4.741998						
2397000	2.65859	4.85941						
2398000	2.656531	4.757932						
2399000	2.65104	5.064881						

2400000	2.673742	4.961723						
2401000	2.607488	4.925479						
2402000	2.60984	4.954678						
2403000	2.782927	4.78322						
2404000	2.497323	4.802788						
2405000	2.516346	5.734565						
2406000	2.713449	6.293002						
2407000	2.593299	4.859877						
2408000	2.321851	4.935473						
2409000	2.613851	5.080122						
2410000	2.619637	4.890979						
2411000	2.486208	5.02405						
2412000	2.364595	4.313623						
2413000	2.669997	5.020699						
2414000	2.627156	4.989338						
2415000	2.722667	4.900652						
2416000	2.544516	4.99618						
2417000	2.723159	5.217384						
2418000	2.543828	5.060708						
2419000	2.736963	4.805212						
2420000	2.516773	5.097517						
2421000	2.534809	4.746654						
2422000	2.314045	4.859092						
2423000	2.342077	4.868561						
2424000	2.611165	4.967895						
2425000	2.609059	5.106996						
2426000	2.618106	5.070159						
2427000	2.499496	5.229049						
2428000	2.57465	5.189904						
2429000	2.613477	5.026394						
2430000	2.415847	4.69107						
2431000	2.284034	4.128301						

2432000	2.477803	4.941125						
2433000	2.652225	4.975063						
2434000	2.601919	5.030512						
2435000	2.508531	4.893532						
2436000	2.672006	5.138596						
2437000	2.752923	4.95716						
2438000	2.582619	4.687164						
2439000	2.370254	4.267109						
2440000	2.534773	5.090973						
2441000	2.569472	5.053302						
2442000	2.508344	5.114227						
2443000	3.528471	5.734394						
2444000	2.558565	4.589897						
2445000	2.492381	4.848705						
2446000	2.594707	4.834878						
2447000	2.574747	4.79226						
2448000	2.488757	4.883715						
2449000	2.426538	4.974337						
2450000	2.468452	4.583759						
2451000	2.491115	4.893734						
2452000	2.568789	4.821237						
2453000	2.518158	4.853207						
2454000	2.641719	4.950306						
2455000	2.542879	5.025078						
2456000	2.67221	4.845078						
2457000	2.572217	4.871497						
2458000	2.655696	4.815496						
2459000	2.858704	4.978018						
2460000	2.857799	4.923214						
2461000	2.823356	4.983613						
2462000	2.841939	4.960223						
2463000	2.535871	5.135563						

2464000	2.838967	4.952306						
2465000	2.842931	4.860907						
2466000	2.913997	5.042298						
2467000	2.846367	4.601149						
2468000	2.951031	5.041127						
2469000	2.874647	4.927093						
2470000	2.669643	4.569472						
2471000	2.793706	4.734998						
2472000	2.718903	4.898784						
2473000	2.81982	4.648849						
2474000	2.827725	4.819167						
2475000	2.832548	4.974243						
2476000	2.811966	4.808789						
2477000	2.910234	4.874889						
2478000	2.741978	4.714038						
2479000	2.848914	4.946902						
2480000	2.794231	4.685815						
2481000	2.829542	5.098262						
2482000	2.642107	4.99087						
2483000	2.700289	4.893962						
2484000	2.566944	5.138503						
2485000	2.784473	5.043609						
2486000	2.769539	4.959332						
2487000	2.840509	4.624864						
2488000	2.756528	5.099371						
2489000	2.753523	5.127016						
2490000	2.761426	4.96233						
2491000	2.743619	5.265814						
2492000	2.643086	4.888259						
2493000	2.865699	4.938587						
2494000	2.748892	4.629738						
2495000	2.772356	4.947241						

2496000	2.919013	4.805501						
2497000	2.906207	4.819876						
2498000	2.786135	4.822392						
2499000	2.899321	5.043734						
2500000	2.757124	4.885905						
2501000	2.893668	4.826249						
2502000	2.766666	4.795961						
2503000	2.931922	5.114299						
2504000	2.800182	4.796527						
2505000	2.65585	4.741219						
2506000	2.642944	4.812429						
2507000	2.785221	5.102406						
2508000	2.710156	5.042081						
2509000	2.696779	5.021631						
2510000	2.699483	5.156028						
2511000	2.781258	4.532945						
2512000	2.650513	5.133279						
2513000	2.769453	4.627312						
2514000	2.675877	4.466421						
2515000	2.815064	4.651239						
2516000	2.690092	4.870143						
2517000	2.657737	4.922733						
2518000	2.723483	4.942064						
2519000	2.742988	4.908801						
2520000	2.789738	4.730101						
2521000	2.636225	5.031027						
2522000	2.715789	4.953369						
2523000	2.747266	5.015555						
2524000	2.752721	4.633706						
2525000	2.759194	4.75144						
2526000	2.746233	4.790556						
2527000	2.759271	4.943524						

2528000	2.818778	4.776112						
2529000	2.740375	4.927655						
2530000	2.73547	4.874011						
2531000	2.859625	4.9414						
2532000	2.74787	4.889812						
2533000	2.782519	4.973006						
2534000	2.69004	4.811794						
2535000	2.679577	4.960578						
2536000	2.708767	4.824688						
2537000	2.71306	5.004958						
2538000	2.708462	4.622287						
2539000	2.84825	4.958362						
2540000	2.797614	4.867142						
2541000	2.809018	4.883386						
2542000	2.728637	4.875888						
2543000	2.854442	4.975355						
2544000	2.73867	4.978869						
2545000	2.705907	4.78588						
2546000	2.5257	5.082161						
2547000	2.76564	4.807122						
2548000	2.548187	5.285619						
2549000	2.707364	4.898404						
2550000	2.795834	4.508426						
2551000	2.74249	4.846606						
2552000	2.834097	4.777121						
2553000	2.757098	4.934952						
2554000	2.772445	4.836922						
2555000	2.560474	4.999798						
2556000	2.550966	5.154096						
2557000	2.646213	4.862389						
2558000	2.588815	5.083501						
2559000	2.628017	4.944909						



2560000	2.660471	4.743481						
2561000	2.666223	4.933028						
2562000	2.656135	4.786856						
2563000	2.784215	4.722128						
2564000	2.727289	4.892606						
2565000	2.604047	4.662203						
2566000	2.699003	5.06849						
2567000	2.844311	4.708802						
2568000	2.68681	4.847366						
2569000	2.576534	5.014259						
2570000	2.641325	5.108383						
2571000	2.612114	5.165962						
2572000	2.769053	4.772663						
2573000	2.654755	4.75241						
2574000	2.73371	4.543211						
2575000	2.784433	4.517726						
2576000	2.539596	4.770216						
2577000	2.688625	4.73866						
2578000	2.851589	4.954006						
2579000	2.530339	5.049992						
2580000	2.613735	4.928339						
2581000	2.654534	5.047158						
2582000	2.558774	4.845612						
2583000	2.719391	4.888688						
2584000	2.670908	4.912011						
2585000	2.741046	4.784859						
2586000	2.685997	4.851697						
2587000	2.716791	4.674102						
2588000	2.838017	4.957724						
2589000	2.636905	4.860046						
2590000	2.650382	5.053297						
2591000	2.642724	4.943117						

2592000	2.598046	4.857669						
2593000	2.697702	5.2797						
2594000	2.679444	4.819974						
2595000	2.690636	4.830706						
2596000	2.640593	4.843187						
2597000	2.675141	4.814013						
2598000	2.693385	4.989099						
2599000	2.562572	4.958199						
2600000	2.539469	4.752267						
2601000	2.61408	4.805242						
2602000	2.634585	5.034198						
2603000	2.553859	4.973868						
2604000	2.693595	4.550997						
2605000	2.745721	4.870012						
2606000	2.766546	4.913827						
2607000	2.808411	4.790308						
2608000	2.775756	4.852843						
2609000	2.640847	4.803993						
2610000	2.487587	5.157667						
2611000	2.643734	4.988727						
2612000	2.683746	5.010448						
2613000	2.700204	5.01355						
2614000	2.715077	4.895488						
2615000	2.70094	4.75476						
2616000	2.760502	4.743734						
2617000	2.832198	4.879759						
2618000	2.65714	5.019624						
2619000	2.708528	5.097179						
2620000	2.683132	5.066624						
2621000	2.646642	4.64875						
2622000	2.605863	4.939286						
2623000	2.755303	4.992761						

2624000	2.791285	4.936366						
2625000	2.682026	4.8831						
2626000	2.722008	4.730865						
2627000	2.713492	4.959848						
2628000	2.759955	5.00495						
2629000	2.630124	4.970728						
2630000	2.621197	4.978705						
2631000	2.686633	4.818965						
2632000	2.78942	4.982678						
2633000	2.726403	5.05444						
2634000	3.105115	4.997784						
2635000	2.944527	4.811311						
2636000	2.944076	4.947991						
2637000	2.926454	5.148432						
2638000	2.934653	4.908322						
2639000	3.176807	4.75883						
2640000	3.096332	4.769921						
2641000	2.992467	4.828794						
2642000	3.191476	4.908391						
2643000	3.139602	4.76891						
2644000	3.029278	4.79234						
2645000	3.051634	5.016897						
2646000	2.995683	4.828382						
2647000	3.014735	4.700558						
2648000	3.068513	4.780653						
2649000	2.953963	4.76849						
2650000	3.121176	4.905147						
2651000	3.062249	4.892401						
2652000	2.837028	4.975535						
2653000	3.057401	4.842803						
2654000	2.950738	4.967331						
2655000	2.955291	4.864337						

2656000	2.880629	4.895402						
2657000	2.84686	4.846525						
2658000	2.985999	4.767429						
2659000	3.067081	4.955029						
2660000	2.817588	5.119698						
2661000	2.773073	4.995154						
2662000	2.870714	4.879652						
2663000	2.827105	4.685875						
2664000	2.836664	4.860957						
2665000	2.892748	4.844862						
2666000	3.007495	5.059561						
2667000	2.924572	4.892591						
2668000	2.816186	4.851585						
2669000	2.852625	5.270346						
2670000	2.807085	4.701512						
2671000	2.869475	4.950529						
2672000	2.866037	4.908573						
2673000	2.916838	5.035761						
2674000	2.73142	5.083195						
2675000	2.931738	5.1303						
2676000	2.907748	4.907686						
2677000	2.920522	4.43993						
2678000	2.884703	4.96608						
2679000	2.947735	4.941512						
2680000	2.943614	4.91224						
2681000	2.755013	5.032011						
2682000	2.771501	5.022845						
2683000	2.602132	4.878047						
2684000	2.826631	4.584791						
2685000	2.811225	4.931693						
2686000	2.835563	4.892313						
2687000	2.660742	4.964725						

2688000	2.807206	5.08742						
2689000	2.774375	5.08012						
2690000	2.808476	4.845835						
2691000	2.763968	4.685099						
2692000	2.744084	4.737754						
2693000	2.738993	4.974406						
2694000	2.685143	4.995505						
2695000	2.732163	5.057219						
2696000	2.640541	5.028664						
2697000	2.771159	4.957167						
2698000	2.818365	4.736995						
2699000	2.809472	4.939349						
2700000	2.726913	4.794289						
2701000	2.890943	4.696913						
2702000	2.722724	5.075724						
2703000	2.662187	5.191281						
2704000	2.626001	5.172498						
2705000	2.709846	4.647639						
2706000	2.79124	4.865082						
2707000	2.711546	4.959204						
2708000	2.693001	4.803945						
2709000	2.909042	4.929325						
2710000	2.581102	5.167871						
2711000	2.690491	5.05092						
2712000	2.780055	4.908082						
2713000	2.818465	4.823504						
2714000	2.763042	4.846374						
2715000	2.836203	4.766575						
2716000	2.580916	4.715319						
2717000	2.655228	5.12581						
2718000	2.764902	4.929201						
2719000	2.72821	4.801742						

2720000	2.811438	4.895038						
2721000	2.79828	4.949441						
2722000	2.808624	4.833442						
2723000	2.618059	4.964823						
2724000	2.714004	4.854952						
2725000	2.643235	4.581393						
2726000	2.622125	4.930659						
2727000	2.681084	4.931351						
2728000	2.7714	4.870314						
2729000	2.532587	5.010069						
2730000	2.583033	5.038381						
2731000	2.575724	5.112444						
2732000	2.771061	4.761352						
2733000	2.67458	4.860474						
2734000	2.706202	4.944719						
2735000	2.80821	4.824243						
2736000	2.549473	4.953874						
2737000	2.646968	4.850573						
2738000	2.614852	4.854848						
2739000	2.824924	4.883124						
2740000	2.813842	4.729126						
2741000	2.832485	5.025705						
2742000	2.628937	5.013988						
2743000	2.598869	5.166819						
2744000	2.709523	7.454956						
2745000	2.823075	4.847284						
2746000	2.758468	4.700528						
2747000	2.418244	4.394236						
2748000	3.878683	4.386096						
2749000	2.529599	4.689029						
2750000	2.608849	4.816674						
2751000	2.632245	4.798199						

2752000	2.71282	4.805225						
2753000	2.703892	4.88605						
2754000	2.678271	4.921639						
2755000	2.632534	5.015796						
2756000	2.612018	5.015633						
2757000	2.659402	4.892819						
2758000	1.856299	4.969443						
2759000	2.763052	4.960696						
2760000	2.746407	4.699264						
2761000	2.789434	4.935892						
2762000	2.855162	4.865147						
2763000	2.563688	5.190948						
2764000	2.729489	5.136913						
2765000	2.595424	4.51795						
2766000	2.772918	4.669433						
2767000	2.69499	4.84608						
2768000	2.482642	4.512402						
2769000	2.547337	4.750897						
2770000	2.498819	4.003443						
2771000	2.533147	4.715576						
2772000	2.608897	4.791924						
2773000	2.537736	4.918733						
2774000	2.572761	4.897077						
2775000	2.642314	5.202986						
2776000	2.683931	4.612755						
2777000	2.725449	4.692758						
2778000	2.694305	4.807356						
2779000	2.569304	4.922981						
2780000	2.612854	4.862621						
2781000	2.751101	4.841596						
2782000	2.727099	4.557413						
2783000	2.720129	4.90413						

2784000	2.756825	5.037617						
2785000	2.61005	4.894241						
2786000	2.708559	4.939686						
2787000	2.636503	4.692609						
2788000	2.738547	4.683845						
2789000	2.789622	4.795875						
2790000	2.574554	4.796535						
2791000	2.539744	5.025513						
2792000	2.634736	5.015383						
2793000	2.653709	4.765119						
2794000	2.78276	4.894373						
2795000	2.900609	4.828748						
2796000	2.506836	4.914828						
2797000	2.649695	5.087106						
2798000	2.634144	4.892207						
2799000	2.708202	4.85421						
2800000	2.783218	4.978307						
2801000	2.560306	4.928899						
2802000	2.660662	5.0243						
2803000	2.707601	4.7159						
2804000	2.648508	4.941952						
2805000	2.711173	4.893936						
2806000	2.624889	5.019218						
2807000	2.65237	5.06118						
2808000	2.912115	4.872499						
2809000	3.038111	4.936492						
2810000	3.027822	4.720012						
2811000	3.098507	5.035726						
2812000	4.03052	5.920832						
2813000	2.853578	4.809444						
2814000	2.862181	4.841856						
2815000	2.901992	4.905897						



2816000	2.94779	4.913257						
2817000	2.904874	4.99794						
2818000	2.989797	4.750779						
2819000	3.055878	4.634882						
2820000	2.963408	4.95635						
2821000	2.869244	4.999081						
2822000	2.882565	4.922642						
2823000	2.862726	5.02163						
2824000	2.936475	4.851771						
2825000	2.915518	4.917364						
2826000	2.943092	4.857368						
2827000	2.873058	4.973917						
2828000	2.891331	4.890372						
2829000	3.010401	4.879784						
2830000	2.97634	4.93691						
2831000	2.938	4.980565						
2832000	3.038249	4.938932						
2833000	2.854516	4.960709						
2834000	2.827822	4.897506						
2835000	2.838005	4.747571						
2836000	2.872099	4.769019						
2837000	2.891581	4.981264						
2838000	2.865519	5.106169						
2839000	2.922509	4.983304						
2840000	2.938424	4.525251						
2841000	3.011817	4.860692						
2842000	2.917581	4.941811						
2843000	2.944735	4.914996						
2844000	2.849136	5.02856						
2845000	2.751911	4.931539						
2846000	2.954273	4.769121						
2847000	3.006088	4.864599						

2848000	2.898874	4.909599						
2849000	2.710991	4.960431						
2850000	2.793125	4.94173						
2851000	2.896725	4.681174						
2852000	2.955027	4.789028						
2853000	2.840133	4.986766						
2854000	2.678947	4.944615						
2855000	2.78022	5.277317						
2856000	2.737708	4.904539						
2857000	3.011314	4.778275						
2858000	2.948388	5.032626						
2859000	2.770196	4.911756						
2860000	2.690374	4.668427						
2861000	2.946852	4.868291						
2862000	2.900282	4.983919						
2863000	2.757229	5.052569						
2864000	2.796816	5.103787						
2865000	2.872355	4.668144						
2866000	2.930301	4.743085						
2867000	2.978442	4.950576						
2868000	2.890804	5.066264						
2869000	2.775029	5.120334						
2870000	2.740192	4.773369						
2871000	2.925491	4.92711						
2872000	3.030408	4.982121						
2873000	2.851729	4.84484						
2874000	2.914523	4.70427						
2875000	2.95784	4.752388						
2876000	2.863398	4.814936						
2877000	2.894448	5.007839						
2878000	2.739585	4.866818						
2879000	2.773186	5.099009						

2880000	2.796257	4.645051						
2881000	2.900443	4.903654						
2882000	3.047805	4.736317						
2883000	2.801153	4.874398						
2884000	2.842619	5.034406						
2885000	2.790317	4.74134						
2886000	2.963336	4.868005						
2887000	3.038977	4.967595						
2888000	2.747424	4.889567						
2889000	2.90985	4.88863						
2890000	2.954617	4.953613						
2891000	2.996741	5.12189						
2892000	2.866965	5.019631						
2893000	2.76451	5.110997						
2894000	2.802303	5.139366						
2895000	2.804422	4.866462						
2896000	2.855736	4.862073						
2897000	2.753976	5.059964						
2898000	2.784994	4.948536						
2899000	2.775026	4.899728						
2900000	2.861134	5.07099						
2901000	3.034021	4.691938						
2902000	2.807392	4.853977						
2903000	2.858935	4.524457						
2904000	2.82932	4.663936						
2905000	2.843065	4.889075						
2906000	2.758844	4.924514						
2907000	2.554182	4.894958						
2908000	3.000012	4.681275						
2909000	3.036609	4.63684						
2910000	2.96722	4.903855						
2911000	2.82442	4.734934						

2912000	2.975445	4.620838						
2913000	2.916735	4.811321						
2914000	2.99105	5.040779						
2915000	2.947865	5.068881						
2916000	2.910902	4.707919						
2917000	2.970649	4.71236						
2918000	2.755887	4.853289						
2919000	2.652939	4.94717						
2920000	2.622085	5.144252						
2921000	2.675877	4.82022						
2922000	2.748524	4.890325						
2923000	2.594615	5.061588						
2924000	2.717518	4.95892						
2925000	2.773013	4.866428						
2926000	2.798597	4.905546						
2927000	2.792103	4.841123						
2928000	2.702572	4.91943						
2929000	2.752386	4.477002						
2930000	2.799953	4.814731						
2931000	2.860093	4.85731						
2932000	2.693292	4.890706						
2933000	2.697436	4.896634						
2934000	2.728621	4.778408						
2935000	2.71917	4.788571						
2936000	2.645547	5.044891						
2937000	2.753368	5.015334						
2938000	2.715895	4.915326						
2939000	2.641839	5.118122						
2940000	2.625341	5.145221						
2941000	2.621503	4.891217						
2942000	2.661971	4.942677						
2943000	2.699685	4.891587						

2944000	2.565314	4.837529						
2945000	2.613365	4.882063						
2946000	2.722052	4.636892						
2947000	2.640556	4.947462						
2948000	2.566972	5.078995						
2949000	2.641768	4.889716						
2950000	2.679992	4.943781						
2951000	2.571927	4.9314						
2952000	2.637178	5.138134						
2953000	2.675106	4.880443						
2954000	2.750322	4.927692						
2955000	2.664889	5.048204						
2956000	2.620402	4.910638						
2957000	2.704934	4.930108						
2958000	2.730861	5.012736						
2959000	2.573936	5.066669						
2960000	2.562845	4.682188						
2961000	2.662681	4.735385						
2962000	2.616632	4.94672						
2963000	2.608446	5.0234						
2964000	2.588508	4.886268						
2965000	2.697261	4.776967						
2966000	2.593927	4.956084						
2967000	2.693451	5.021945						
2968000	2.607423	4.996868						
2969000	2.737316	4.822571						
2970000	2.602202	5.007959						
2971000	2.6575	5.138751						
2972000	2.713547	4.922993						
2973000	2.748634	5.156626						
2974000	2.566227	5.051599						
2975000	2.687731	4.570118						

2976000	2.70321	4.847169						
2977000	2.64833	4.991155						
2978000	2.649892	4.956268						
2979000	2.432353	4.737314						
2980000	2.700836	5.026865						
2981000	2.572881	5.093467						
2982000	2.615513	4.782126						
2983000	3.036602	4.884355						
2984000	2.961922	4.784323						
2985000	2.844855	4.894743						
2986000	2.992136	5.220302						
2987000	3.018188	4.839047						
2988000	2.995078	4.951926						
2989000	2.828536	5.073522						
2990000	2.996411	5.495809						
2991000	2.801107	4.876355						
2992000	3.008322	4.837719						
2993000	2.791392	4.974606						
2994000	2.919486	5.143082						
2995000	2.846852	4.842705						
2996000	2.908278	4.888378						
2997000	2.81383	5.088446						
2998000	2.860416	4.954881						
2999000	2.93608	4.905139						
3000000	2.960784	4.871384						
3001000	2.868044	5.132503						
3002000	2.863065	5.01374						
3003000	2.863423	4.906552						
3004000	2.928418	4.885142						
3005000	2.820899	5.098619						
3006000	2.845741	4.612453						
3007000	2.861144	4.877663						

3008000	2.859259	4.920488						
3009000	2.878682	7.736562						
3010000	2.646759	4.683071						
3011000	2.893828	4.767144						
3012000	2.944322	4.874969						
3013000	2.851508	4.904027						
3014000	2.908202	4.8754						
3015000	2.904011	4.923827						
3016000	2.721018	4.916193						
3017000	2.846921	4.85992						
3018000	2.882931	4.789788						
3019000	2.841058	4.80447						
3020000	2.700087	4.879856						
3021000	2.891048	4.960048						
3022000	2.908572	4.920523						
3023000	2.864371	5.032947						
3024000	2.652457	4.931496						
3025000	2.499626	4.639213						
3026000	2.838218	4.560229						
3027000	2.72582	4.998915						
3028000	2.691024	5.161902						
3029000	2.76287	4.820263						
3030000	2.856326	5.062696						
3031000	2.809849	5.083557						
3032000	2.838141	5.159914						
3033000	2.87736	4.902541						
3034000	2.904319	4.756336						
3035000	2.748266	5.041336						
3036000	2.887378	5.317147						
3037000	2.795842	5.002113						
3038000	2.908296	4.685082						
3039000	2.904074	4.779865						

3040000	2.834808	4.52153						
3041000	2.86365	4.7683						
3042000	3.004106	4.898972						
3043000	2.800758	4.949031						
3044000	2.894244	4.789814						
3045000	2.959082	4.793631						
3046000	2.834387	5.061556						
3047000	2.836391	5.122						
3048000	2.964755	5.064674						
3049000	2.901451	4.928146						
3050000	2.754325	4.83341						
3051000	2.80491	4.794612						
3052000	2.878812	4.861874						
3053000	2.763865	5.001103						
3054000	2.809535	5.145704						
3055000	2.823377	4.934321						
3056000	2.895709	4.881221						
3057000	2.670906	5.183571						
3058000	2.851412	4.68046						
3059000	2.843216	4.706325						
3060000	2.950496	4.896716						
3061000	2.833401	5.191681						
3062000	2.790203	4.864781						
3063000	2.828836	4.789269						
3064000	2.7628	4.859369						
3065000	2.833279	4.822375						
3066000	2.88898	4.825567						
3067000	2.929337	4.975384						
3068000	2.831156	5.058003						
3069000	2.650357	4.887852						
3070000	2.697291	4.879871						
3071000	2.609375	4.949903						



3072000	3.150856	4.138886						
3073000	2.777484	4.890752						
3074000	2.718455	4.999034						
3075000	2.798059	4.868376						
3076000	2.851164	4.922726						
3077000	2.695091	4.788365						
3078000	2.80908	4.724908						
3079000	2.803897	5.095992						
3080000	2.765773	4.803083						
3081000	2.936061	4.932621						
3082000	2.863222	4.768433						
3083000	2.997218	4.842794						
3084000	2.828639	5.1256						
3085000	2.880934	4.786979						
3086000	2.849885	4.729868						
3087000	2.658581	4.92551						
3088000	2.765007	5.092374						
3089000	2.781334	4.767241						
3090000	2.772992	5.011265						
3091000	2.727405	5.254158						
3092000	2.817476	5.0132						
3093000	2.880804	4.787903						
3094000	2.679312	4.815389						
3095000	2.526591	4.649212						
3096000	2.830969	4.861272						
3097000	2.825756	5.063369						
3098000	2.768538	4.808989						
3099000	2.766098	4.941128						
3100000	2.851875	5.121441						
3101000	2.755299	5.103011						
3102000	2.818169	4.780821						
3103000	2.801128	4.757887						

3104000	2.663193	4.950808						
3105000	2.800295	4.709744						
3106000	2.932718	4.634786						
3107000	2.664897	5.071899						
3108000	2.712985	5.005004						
3109000	2.81827	4.754275						
3110000	2.773339	4.862693						
3111000	2.713017	5.041017						
3112000	2.702788	4.886292						
3113000	2.699994	4.667427						
3114000	2.667789	5.073033						
3115000	2.675654	4.931274						
3116000	2.687614	4.832428						
3117000	2.551585	5.186751						
3118000	2.451815	5.03534						
3119000	2.875	4.72286						
3120000	2.676442	4.90152						
3121000	2.716775	4.684213						
3122000	2.833379	4.479027						
3123000	2.676265	5.048063						
3124000	2.705776	4.587012						
3125000	2.929408	5.177013						
3126000	2.661203	5.140373						
3127000	2.577438	4.44503						
3128000	2.917525	4.878268						
3129000	2.868351	5.03091						
3130000	2.747576	4.521955						
3131000	2.924284	4.877937						
3132000	2.672893	4.687719						
3133000	2.710168	4.56584						
3134000	2.814081	4.931126						
3135000	2.616393	5.009212						

3136000	2.843634	4.690862						
3137000	2.960068	4.574059						
3138000	2.704731	5.135225						
3139000	2.947343	4.45639						
3140000	2.909041	4.665753						
3141000	2.636246	5.151239						
3142000	2.885127	4.365827						
3143000	2.875531	4.980826						
3144000	2.739121	5.186015						
3145000	2.781382	4.563068						
3146000	2.849189	5.05532						
3147000	2.6954	5.215277						
3148000	2.764361	4.753814						
3149000	2.785863	4.919611						
3150000	2.726454	6.564926						
3151000	2.635907	4.852105						
3152000	2.732999	4.849453						
3153000	2.785487	4.929975						
3154000	2.740805	4.952748						
3155000	2.745376	4.978472						
3156000	2.667023	5.012544						
3157000	2.717689	4.897105						
3158000	3.166084	5.033165						
3159000	3.034077	5.062981						
3160000	3.084492	4.823539						
3161000	3.262507	4.748799						
3162000	3.003022	4.867425						
3163000	3.145074	4.600944						
3164000	3.15052	4.734042						
3165000	3.189816	5.075501						
3166000	3.240979	4.849473						
3167000	3.313512	4.772186						

3168000	3.269227	4.851741						
3169000	3.187327	4.893325						
3170000	3.333884	4.716216						
3171000	3.030264	4.97492						
3172000	3.193723	4.873321						
3173000	3.210822	4.792048						
3174000	3.120484	4.823091						
3175000	3.193089	4.837826						
3176000	3.196039	4.814345						
3177000	2.875004	4.962958						
3178000	3.08289	4.923694						
3179000	3.144682	4.825049						
3180000	2.94291	4.843221						
3181000	2.962081	4.861288						
3182000	2.957733	4.825939						
3183000	2.791429	5.057139						
3184000	2.976734	5.14833						
3185000	3.125308	4.715378						
3186000	2.948244	4.990501						
3187000	2.941051	4.865211						
3188000	2.94904	4.963181						
3189000	2.841156	4.520599						
3190000	3.050187	4.790733						
3191000	2.956403	4.780083						
3192000	2.952207	4.867581						
3193000	2.914316	4.854089						
3194000	2.859329	4.834291						
3195000	2.951453	4.933191						
3196000	2.889692	4.964786						
3197000	2.641885	4.855957						
3198000	2.788331	4.828981						
3199000	2.876518	4.808188						

3200000	2.817927	5.039557						
1000	3.182567	4.642824						
2000	4.210991	4.722373						
3000	4.814325	4.807335						
4000	4.80292	4.723159						
5000	5.008605	4.8484						
6000	4.864303	4.750716						
7000	5.034271	4.868802						
8000	4.945662	4.81434						
9000	5.002303	4.85068						
10000	4.938361	4.818218						
11000	5.03438	4.871729						
12000	4.127734	4.817298						
13000	4.24556	4.900989						
14000	4.254631	4.82197						
15000	4.749914	4.885715						
16000	4.327276	4.807896						
17000	4.474154	4.899763						
18000	4.382912	4.826529						
19000	4.443574	4.907059						
20000	4.475992	4.830403						
21000	4.357425	4.91424						
22000	4.506619	4.826569						
23000	4.627867	4.911031						
24000	5.674378	5.899636						
25000	4.666445	3.233808						
26000	4.776883	4.830014						
27000	3.491719	6.512416						
28000	4.916255	4.83883						
29000	4.941626	4.901241						
30000	4.621761	4.83377						
31000	4.55406	4.910289						

32000	4.60884	4.840645						
33000	4.742018	5.415099						
34000	4.45898	5.440801						
35000	4.670178	4.897897						
36000	4.656281	4.854033						
37000	4.639245	4.901567						
38000	4.621201	4.842642						
39000	4.651309	4.905078						
40000	4.422489	4.842554						
41000	4.472195	4.904202						
42000	4.476609	4.843102						
43000	4.77629	4.909379						
44000	4.610556	4.98588						
45000	4.59493	4.907437						
46000	4.692557	4.856089						
47000	4.72625	4.99344						
48000	4.727161	4.861117						
49000	5.312855	4.912512						
50000	4.67635	4.860502						
51000	5.886436	5.624935						
52000	3.830808	4.863521						
53000	4.848612	4.909894						
54000	4.794671	4.8533						
55000	5.169207	4.914529						
56000	5.261833	3.851979						
57000	5.522868	4.922968						
58000	3.931499	4.836485						
59000	4.796524	4.912393						
60000	5.015011	4.850524						
61000	4.800855	4.911179						
62000	4.766755	4.848424						
63000	4.71542	4.909052						

64000	4.684988	4.857428						
65000	5.656245	4.902763						
66000	4.655658	4.907785						
67000	4.857091	4.90913						
68000	4.793428	3.982692						
69000	4.821274	5.23827						
70000	4.827995	4.85639						
71000	4.89875	4.900462						
72000	4.630226	4.855373						
73000	4.862337	4.91613						
74000	4.757374	4.847688						
75000	4.956429	4.897513						
76000	4.799848	4.861989						
77000	4.848131	4.919259						
78000	4.780566	4.850582						
79000	4.777656	4.923021						
80000	4.699942	4.941181						
81000	4.699881	4.912571						
82000	4.601586	4.859705						
83000	4.477829	4.920385						
84000	5.546398	4.845053						
85000	4.829534	6.07658						
86000	4.669319	4.843074						
87000	4.76942	4.909552						
88000	4.668384	4.85648						
89000	4.8076	4.911501						
90000	4.801442	6.197944						
91000	5.974096	4.908077						
92000	5.02821	4.860159						
93000	4.811105	4.909744						
94000	4.840435	4.863034						
95000	4.890465	4.914425						

96000	4.895833	4.923981						
97000	4.891575	4.973712						
98000	4.858517	4.861167						
99000	4.941931	4.924458						
100000	4.927206	4.963472						
101000	4.899823	4.915473						
102000	5.110758	4.891253						
103000	4.835836	5.221677						
104000	4.53358	5.088469						
105000	4.788319	4.917839						
106000	3.78231	4.851995						
107000	4.847669	4.921054						
108000	4.85681	4.890538						
109000	4.889273	4.915254						
110000	4.85718	4.857498						
111000	4.917677	4.911247						
112000	4.834459	4.851174						
113000	5.193381	4.917721						
114000	5.092491	4.278854						
115000	4.9405	6.273816						
116000	5.124963	3.9275						
117000	4.77155	4.914894						
118000	4.833338	4.85837						
119000	4.860046	4.735393						
120000	4.801501	4.857223						
121000	4.814662	4.919685						
122000	4.756589	4.919869						
123000	4.776818	4.918757						
124000	4.69021	5.204352						
125000	5.152694	4.494568						
126000	4.637757	4.85274						
127000	4.483674	4.914409						



128000	4.621752	4.85224						
129000	4.13105	5.016068						
130000	4.764753	5.090815						
131000	4.798823	4.912825						
132000	4.659608	4.863524						
133000	4.834333	4.954251						
134000	4.886266	4.862886						
135000	4.86192	5.691855						
136000	4.477873	4.856199						
137000	4.997898	4.923325						
138000	4.895478	4.854305						
139000	4.883711	4.919632						
140000	4.879306	4.858167						
141000	4.843358	5.098171						
142000	4.920118	4.904809						
143000	4.962671	4.915461						
144000	4.865298	4.857332						
145000	4.298793	4.41076						
146000	3.841111	4.85269						
147000	4.68485	4.915584						
148000	4.855059	3.844627						
149000	4.867671	4.895555						
150000	5.076325	4.860778						
151000	5.302164	4.921139						
152000	4.869125	4.857361						
153000	5.106274	4.477811						
154000	4.780821	4.833125						
155000	4.719075	5.110533						
156000	4.877024	4.858202						
157000	4.987008	4.476763						
158000	4.879164	4.859796						
159000	4.788533	4.479499						

160000	5.005444	4.850592						
161000	5.439893	5.865176						
162000	4.262837	4.882666						
163000	4.867013	4.915676						
164000	4.752099	4.860323						
165000	4.772725	4.923066						
166000	4.71579	4.893717						
167000	4.684029	4.914661						
168000	4.601891	5.627543						
169000	4.032155	4.908973						
170000	4.671755	4.151921						
171000	4.690464	4.909341						
172000	5.090605	4.915034						
173000	4.985557	5.092731						
174000	4.832672	5.232915						
175000	4.680826	4.900242						
176000	4.974234	4.851475						
177000	4.597064	4.917642						
178000	4.863723	4.859913						
179000	4.678548	4.596148						
180000	4.862003	4.838024						
181000	4.917023	4.915858						
182000	4.940039	4.857904						
183000	4.900719	5.287544						
184000	4.822719	4.841245						
185000	4.955386	4.925556						
186000	4.935134	4.849425						
187000	4.966327	5.049925						
188000	4.784612	4.858848						
189000	4.838876	4.917709						
190000	4.821377	4.411808						
191000	4.720563	4.916447						

192000	5.187582	4.498319						
193000	4.883127	4.912603						
194000	4.88311	4.860083						
195000	4.812784	4.914247						
196000	4.879932	4.889212						
197000	4.450626	4.46563						
198000	4.800256	4.847511						
199000	4.965121	4.947988						
200000	4.89326	4.855625						
201000	4.912314	4.556753						
202000	4.858026	5.088229						
203000	4.577276	4.889725						
204000	4.750421	4.856682						
205000	4.837031	4.957908						
206000	4.796972	4.849192						
207000	4.284194	4.919393						
208000	4.958156	4.262637						
209000	4.720589	4.763938						
210000	4.476752	4.981027						
211000	4.531244	4.931535						
212000	4.473955	4.857574						
213000	4.55821	5.098711						
214000	4.857653	4.815156						
215000	4.671849	5.024453						
216000	4.732228	4.85345						
217000	4.851782	4.910006						
218000	4.209111	4.846113						
219000	4.853226	4.91067						
220000	4.863532	4.850482						
221000	5.375198	4.128677						
222000	4.736905	4.883859						
223000	5.025859	4.901728						

224000	4.888187	4.853379						
225000	4.838485	4.800513						
226000	4.879822	4.855937						
227000	4.86727	4.909428						
228000	5.837253	4.958479						
229000	4.851762	3.559847						
230000	4.823895	4.890671						
231000	4.80603	4.913522						
232000	5.15314	4.362605						
233000	4.63939	4.892708						
234000	4.750496	4.886706						
235000	3.941484	4.912424						
236000	4.691553	5.037228						
237000	4.432567	5.092344						
238000	4.498646	4.890446						
239000	4.912495	4.912805						
240000	4.900771	4.853869						
241000	4.994775	4.311575						
242000	4.837323	4.85449						
243000	5.187516	4.878978						
244000	4.830111	4.844931						
245000	4.912669	4.927522						
246000	4.819067	4.854243						
247000	4.878253	4.915178						
248000	4.907346	4.293779						
249000	4.769775	4.903335						
250000	5.064772	4.825596						
251000	4.808557	4.907013						
252000	4.685181	4.846082						
253000	4.604669	5.293575						
254000	3.928558	4.785317						
255000	4.384963	4.923751						

256000	4.54056	4.836732						
257000	4.543746	4.901637						
258000	5.23244	4.384843						
259000	4.766721	4.906706						
260000	4.772705	4.778045						
261000	4.688845	4.906906						
262000	4.845968	5.187809						
263000	4.887159	4.773772						
264000	4.643118	4.619869						
265000	4.889838	4.909221						
266000	4.824608	4.967193						
267000	4.80415	4.946185						
268000	5.140806	4.82546						
269000	4.877978	4.930677						
270000	5.305515	4.049631						
271000	4.986753	5.36601						
272000	4.7929	5.199774						
273000	4.740872	4.716562						
274000	4.707062	4.819977						
275000	4.746415	4.654144						
276000	4.702732	4.918504						
277000	5.184696	4.196064						
278000	4.623907	4.602015						
279000	4.867399	4.910719						
280000	4.869102	4.849739						
281000	4.725702	4.907776						
282000	5.687649	4.873459						
283000	4.678287	4.896174						
284000	4.881985	4.846441						
285000	4.899136	5.066343						
286000	4.135004	4.661215						
287000	4.853096	4.89682						

288000	5.070954	5.008772						
289000	4.873087	4.748676						
290000	4.672955	4.727194						
291000	4.75405	4.943165						
292000	4.647374	4.849017						
293000	4.652028	5.223242						
294000	4.560291	4.832112						
295000	4.699573	4.907867						
296000	4.516636	5.126946						
297000	4.388774	4.916242						
298000	4.508469	4.810394						
299000	4.245244	4.127323						
300000	4.323888	4.816422						
301000	4.642358	4.893979						
302000	4.716565	4.824083						
303000	4.674993	5.540074						
304000	5.027156	4.792135						
305000	4.807206	4.917164						
306000	4.800215	4.836431						
307000	4.895884	4.343205						
308000	4.169702	4.833684						
309000	4.355744	4.918374						
310000	4.796153	4.70541						
311000	4.309534	4.915076						
312000	4.25886	4.819622						
313000	4.791951	5.097097						
314000	4.77641	5.296713						
315000	4.725588	4.92038						
316000	4.704719	4.582631						
317000	4.616108	4.944901						
318000	4.630346	4.839183						
319000	4.726913	4.773195						

320000	4.528443	4.800101						
321000	5.275435	4.998113						
322000	4.806998	4.818784						
323000	4.869129	5.08323						
324000	4.268349	4.726612						
325000	4.857999	5.185491						
326000	3.671604	4.764281						
327000	4.266899	4.745217						
328000	4.875828	4.836211						
329000	4.82049	4.884953						
330000	4.841617	5.001856						
331000	4.6523	4.502432						
332000	4.469814	4.770894						
333000	4.713071	4.879948						
334000	5.090975	4.771466						
335000	4.892082	4.827046						
336000	4.515674	4.823342						
337000	4.598753	4.999322						
338000	4.484139	4.815294						
339000	4.569222	4.924104						
340000	4.351631	4.779482						
341000	4.487892	5.296128						
342000	4.56112	4.829687						
343000	4.564706	4.835483						
344000	4.594501	4.848111						
345000	4.65106	4.887068						
346000	4.064065	4.449923						
347000	4.427857	4.880729						
348000	4.778486	4.778546						
349000	4.876225	4.910349						
350000	4.402508	4.814568						
351000	4.770892	4.923846						

352000	4.675708	3.910848						
353000	4.78304	4.491528						
354000	4.521527	4.805098						
355000	4.734929	4.573736						
356000	4.54178	3.822993						
357000	4.646243	4.853696						
358000	5.008699	4.286766						
359000	4.844214	4.806652						
360000	4.735682	4.838175						
361000	3.727176	4.577019						
362000	5.241243	4.791869						
363000	4.523004	4.931912						
364000	3.706032	4.807855						
365000	4.863682	4.796848						
366000	4.823057	4.819633						
367000	4.137116	4.134743						
368000	4.710084	4.850769						
369000	5.320621	4.835645						
370000	4.422578	4.828273						
371000	4.679836	4.863073						
372000	4.719644	4.816996						
373000	4.71732	4.909573						
374000	4.734765	4.840008						
375000	4.758284	5.697583						
376000	3.655006	4.544454						
377000	4.658219	4.770008						
378000	4.548612	4.747369						
379000	4.65118	5.171093						
380000	4.427613	4.86695						
381000	3.745847	4.803413						
382000	5.048196	4.859698						
383000	4.221333	5.105121						



384000	4.280118	4.754421						
385000	4.618058	4.766313						
386000	4.841704	4.754358						
387000	4.702896	5.180651						
388000	4.579371	4.219772						
389000	4.363973	4.897371						
390000	4.612623	4.17933						
391000	4.636107	4.871472						
392000	3.994885	4.771068						
393000	4.741199	4.895722						
394000	4.827104	4.216107						
395000	4.175851	4.271635						
396000	4.620741	4.966958						
397000	4.758086	4.80531						
398000	4.711599	4.680108						
399000	4.709782	4.797431						
400000	3.690914	4.79278						
401000	5.346763	4.697064						
402000	4.552057	4.727206						
403000	4.822692	4.475022						
404000	4.55922	4.681862						
405000	5.089528	4.791663						
406000	4.664679	5.219124						
407000	4.567472	4.970017						
408000	4.240969	4.820075						
409000	4.703011	4.680712						
410000	5.029704	4.955642						
411000	4.664983	4.699652						
412000	4.776945	5.168977						
413000	4.483269	4.132335						
414000	4.354734	4.454953						
415000	5.12793	4.797669						

416000	4.629767	4.876007						
417000	4.711463	5.271525						
418000	3.988633	4.872457						
419000	4.934454	4.105578						
420000	4.38611	4.764849						
421000	4.6928	3.635812						
422000	4.511773	4.800956						
423000	4.14947	4.825965						
424000	4.498962	4.847029						
425000	4.901187	4.164144						
426000	3.479776	4.484829						
427000	4.772624	5.00598						
428000	4.450089	4.133626						
429000	4.555666	4.825403						
430000	4.291316	4.890944						
431000	4.203993	4.449243						
432000	4.706461	4.820134						
433000	4.488627	4.810229						
434000	4.4936	4.97757						
435000	4.076733	4.149437						
436000	4.490174	4.839382						
437000	4.451879	4.686071						
438000	4.448745	4.708164						
439000	4.50802	5.078387						
440000	4.496526	4.933646						
441000	4.403842	5.163767						
442000	4.654805	4.299438						
443000	4.405541	4.605957						
444000	5.18803	4.742679						
445000	4.598858	4.715009						
446000	4.673645	4.910605						
447000	4.359551	4.733335						

448000	4.907989	4.771387						
449000	4.288993	4.79397						
450000	4.670208	4.373966						
451000	4.648154	4.345759						
452000	4.521668	4.769881						
453000	4.448878	5.404329						
454000	4.276859	4.675685						
455000	4.762388	4.751948						
456000	3.929913	4.777341						
457000	4.645514	4.919346						
458000	4.70771	4.708682						
459000	4.067907	4.620672						
460000	4.654645	4.229933						
461000	3.976848	4.832043						
462000	4.294591	5.077616						
463000	4.202298	4.761933						
464000	4.889587	3.747326						
465000	4.118188	4.843695						
466000	4.42083	4.668681						
467000	4.676113	3.685134						
468000	4.22872	4.780811						
469000	4.467414	5.478388						
470000	4.039632	4.863512						
471000	4.544357	4.122902						
472000	4.292841	4.622327						
473000	4.607955	5.165086						
474000	4.274533	4.768073						
475000	4.175519	4.87022						
476000	4.328	4.535873						
477000	3.792966	4.782748						
478000	4.618255	4.636601						
479000	4.561113	4.759759						

480000	4.907153	4.533869						
481000	4.320598	4.845193						
482000	4.551832	4.621482						
483000	4.586475	4.769288						
484000	4.440102	4.942639						
485000	4.765656	4.310877						
486000	4.545604	4.654765						
487000	4.335641	4.74271						
488000	4.402254	5.069224						
489000	4.187286	3.805555						
490000	4.38253	4.462628						
491000	4.204343	4.842817						
492000	4.348352	4.762263						
493000	3.75869	4.764944						
494000	4.504029	4.669564						
495000	5.290952	4.455629						
496000	4.136268	4.568494						
497000	4.634121	4.611394						
498000	4.471786	4.891417						
499000	4.487402	4.772299						
500000	4.764295	4.520482						
501000	4.515651	4.688962						
502000	4.310022	4.666039						
503000	4.516801	4.770031						
504000	4.418049	4.7789						
505000	3.714126	4.128156						
506000	3.762901	4.294387						
507000	4.159135	4.168846						
508000	4.365111	4.648554						
509000	4.503395	4.877867						
510000	3.481561	4.492051						
511000	4.148605	4.669377						

512000	4.162687	4.674797						
513000	4.735646	4.690849						
514000	4.366087	4.215003						
515000	4.30065	4.617923						
516000	4.747338	4.628472						
517000	4.295187	3.811134						
518000	4.282103	4.444742						
519000	4.908936	3.791731						
520000	4.227633	4.617132						
521000	4.50895	4.840757						
522000	4.177764	4.713611						
523000	4.457361	4.571117						
524000	4.821211	4.488537						
525000	4.592035	4.24058						
526000	4.419095	4.62172						
527000	4.517297	4.669881						
528000	4.30855	5.194639						
529000	4.284037	4.708495						
530000	4.611742	4.429668						
531000	4.333626	4.748667						
532000	4.251779	4.673435						
533000	3.952409	4.441343						
534000	4.19806	4.703433						
535000	3.624188	4.685156						
536000	4.361797	4.653666						
537000	4.426268	4.591755						
538000	4.137231	4.548223						
539000	4.194578	4.549237						
540000	4.351462	4.938032						
541000	4.282135	4.780307						
542000	4.291276	4.601051						
543000	4.171104	4.959107						

544000	4.104564	4.617674						
545000	4.141044	4.697435						
546000	4.372071	5.027775						
547000	3.769574	4.587735						
548000	4.314615	4.646022						
549000	4.449791	4.58219						
550000	4.267689	4.558838						
551000	4.498919	4.538115						
552000	4.099062	4.548044						
553000	4.022874	4.920752						
554000	3.762168	4.801548						
555000	4.242091	5.033745						
556000	4.011709	4.74257						
557000	4.460083	4.687934						
558000	4.238248	4.418502						
559000	4.50327	4.693906						
560000	4.225452	4.487707						
561000	4.210024	4.368015						
562000	4.159489	5.072213						
563000	4.096107	4.640746						
564000	4.297897	4.37099						
565000	3.932287	4.71341						
566000	4.129371	4.777112						
567000	4.10756	4.766809						
568000	3.668595	4.560299						
569000	4.058669	4.622233						
570000	4.717754	4.482685						
571000	4.28712	4.623945						
572000	4.420909	4.528882						
573000	3.50519	4.424319						
574000	3.836074	4.55156						
575000	4.361373	4.610215						

576000	4.199245	4.598182						
577000	4.699694	4.622271						
578000	4.349852	3.93559						
579000	4.158907	4.66259						
580000	4.130033	4.998722						
581000	4.144149	4.319128						
582000	4.168504	4.994112						
583000	4.442195	4.582097						
584000	4.411429	4.621488						
585000	4.321899	4.273215						
586000	4.005822	4.58774						
587000	4.182717	4.808788						
588000	4.412183	4.563241						
589000	4.299073	4.711639						
590000	4.008567	4.688098						
591000	3.740696	4.60446						
592000	4.206122	4.752257						
593000	4.057572	4.976607						
594000	3.843901	4.606584						
595000	3.751315	4.600344						
596000	4.212759	4.561687						
597000	4.014349	4.97119						
598000	3.627679	4.584239						
599000	3.904936	4.895577						
600000	4.005023	4.658032						
601000	3.947077	4.637953						
602000	3.8036	4.574851						
603000	4.403073	4.783938						
604000	4.182733	4.923853						
605000	4.046314	4.992024						
606000	3.735861	4.390911						
607000	4.20981	4.679146						

608000	4.629899	4.438691						
609000	4.115495	4.884961						
610000	3.476775	4.234624						
611000	4.270722	4.188682						
612000	4.184822	4.689072						
613000	3.640431	4.635049						
614000	3.953199	4.648345						
615000	3.971917	4.519192						
616000	3.946321	3.747128						
617000	4.043531	4.99165						
618000	3.709945	4.523356						
619000	3.898337	4.863382						
620000	3.935483	4.566514						
621000	4.328974	4.700569						
622000	4.046168	4.82279						
623000	3.691111	4.47761						
624000	4.156205	4.89473						
625000	4.154632	4.547745						
626000	4.084	4.732995						
627000	4.281122	4.738054						
628000	4.128783	4.293977						
629000	4.590993	4.023181						
630000	4.007677	4.532712						
631000	4.267152	4.745263						
632000	4.11574	4.677508						
633000	3.504101	4.079032						
634000	3.865818	4.401018						
635000	4.096092	4.658189						
636000	4.014835	4.723455						
637000	3.559548	4.474001						
638000	3.802692	4.731988						
639000	3.804794	4.498819						



640000	3.930315	5.146885					
641000	3.421787	4.708515					
642000	3.497423	4.646855					
643000	4.148067	4.566174					
644000	4.162829	3.925285					
645000	4.058074	3.934522					
646000	3.97453	4.638226					
647000	4.0969	4.616589					
648000	4.399735	4.663325					
649000	4.045704	4.752878					
650000	3.833551	4.594475					
651000	4.110741	4.198466					
652000	3.925588	4.540542					
653000	3.573274	4.502953					
654000	3.996546	4.008989					
655000	4.167336	4.561836					
656000	3.914381	4.713996					
657000	4.021972	4.811969					
658000	3.931135	4.559122					
659000	3.881272	4.36993					
660000	4.219296	4.454804					
661000	4.213273	4.571809					
662000	4.135749	4.78696					
663000	3.637293	4.626356					
664000	3.960657	4.491914					
665000	4.230462	4.634497					
666000	4.187219	3.97035					
667000	3.982161	4.653661					
668000	4.099165	4.395876					
669000	3.95506	4.574841					
670000	3.781527	4.535961					
671000	4.31314	4.566053					

672000	4.026227	4.69152						
673000	4.067073	4.73924						
674000	4.071198	4.553131						
675000	3.889085	4.801523						
676000	3.758457	4.828811						
677000	4.172271	4.445873						
678000	4.079253	4.434228						
679000	3.848721	4.423958						
680000	4.190182	4.686623						
681000	3.613588	4.842143						
682000	3.844681	4.380477						
683000	4.180155	4.710964						
684000	4.195009	4.491219						
685000	3.974057	4.420743						
686000	4.005318	4.558648						
687000	3.955647	5.285979						
688000	3.098292	4.447043						
689000	3.516175	4.49988						
690000	4.045378	4.458776						
691000	4.304473	4.367393						
692000	3.966384	4.452646						
693000	4.073146	4.47196						
694000	3.974464	4.746536						
695000	3.514025	4.672758						
696000	4.095312	4.498824						
697000	4.014108	4.804778						
698000	4.220869	4.286723						
699000	4.143121	4.529193						
700000	3.750208	4.541551						
701000	3.902914	5.017476						
702000	3.784723	4.838243						
703000	3.310943	4.245371						

704000	4.115521	4.492419						
705000	3.466971	4.579806						
706000	3.818781	4.554243						
707000	4.051575	4.718362						
708000	4.106197	4.358492						
709000	4.069545	4.48947						
710000	3.95688	3.686308						
711000	4.003745	4.808788						
712000	3.834456	4.43258						
713000	4.066025	4.489749						
714000	4.215039	4.552598						
715000	3.929544	4.316785						
716000	4.322921	4.532624						
717000	4.080453	4.736343						
718000	4.086596	3.732808						
719000	3.830433	4.430188						
720000	4.199561	4.501348						
721000	4.048128	5.015427						
722000	3.80147	4.511957						
723000	3.537057	4.352585						
724000	3.996921	4.108288						
725000	3.549687	4.597164						
726000	3.368907	4.484086						
727000	3.915374	4.512388						
728000	4.23849	4.240746						
729000	3.885275	4.322993						
730000	3.480222	4.394592						
731000	4.07275	3.911576						
732000	4.02952	4.289675						
733000	3.883692	4.544615						
734000	4.200696	4.696795						
735000	3.933655	4.482636						

736000	3.914745	4.479383						
737000	3.908195	5.022216						
738000	2.96186	4.486695						
739000	3.856398	4.667964						
740000	4.131558	4.478283						
741000	3.832497	4.418607						
742000	4.357267	4.490438						
743000	4.055037	4.16884						
744000	4.351711	4.402115						
745000	3.9565	4.523067						
746000	4.071545	4.530432						
747000	3.861405	4.211404						
748000	3.758431	4.008672						
749000	3.603528	4.538884						
750000	4.115292	4.594416						
751000	3.835033	4.777987						
752000	3.836752	4.430467						
753000	3.872064	4.744397						
754000	3.593067	4.481029						
755000	4.009161	4.297735						
756000	3.983247	4.669842						
757000	3.478226	4.36522						
758000	3.800137	4.470036						
759000	4.105403	4.537129						
760000	4.136887	4.290396						
761000	3.982427	4.109932						
762000	3.603386	4.461546						
763000	4.161081	4.127724						
764000	3.801319	4.739925						
765000	3.932872	4.423377						
766000	3.37808	4.296543						
767000	3.811222	4.556704						

768000	3.569323	4.579369						
769000	3.960567	4.722566						
770000	3.584846	4.480965						
771000	3.729672	4.373736						
772000	3.879171	4.259327						
773000	3.806554	4.467356						
774000	3.919708	4.625825						
775000	3.93934	4.593347						
776000	3.870058	4.414203						
777000	3.874166	4.753866						
778000	3.936985	4.430887						
779000	3.361603	4.641723						
780000	4.181788	4.433266						
781000	3.673284	4.271592						
782000	3.60836	4.437804						
783000	3.950531	4.317161						
784000	3.714386	4.187461						
785000	3.720965	4.601901						
786000	4.049758	3.547117						
787000	3.85279	4.653506						
788000	3.840591	4.453675						
789000	3.719727	4.244086						
790000	3.943978	4.713086						
791000	3.850563	4.465063						
792000	3.825647	4.5174						
793000	3.89403	4.634483						
794000	3.774343	4.58958						
795000	3.971768	4.444798						
796000	3.924223	4.942509						
797000	3.856008	4.519226						
798000	4.012979	4.375481						
799000	3.47262	4.867184						

800000	4.106726	4.397819						
801000	3.858171	3.867836						
802000	3.974964	4.706844						
803000	3.925042	4.595241						
804000	3.677565	4.42464						
805000	4.091123	4.934301						
806000	3.886391	4.176233						
807000	3.923155	4.387016						
808000	3.803841	3.900827						
809000	3.449353	4.497439						
810000	3.881039	4.498076						
811000	3.571151	4.178201						
812000	3.777886	4.219055						
813000	3.665557	4.650763						
814000	3.796748	3.739828						
815000	3.712307	4.476756						
816000	3.941477	4.382789						
817000	4.054974	4.526783						
818000	3.771925	4.607145						
819000	3.721283	4.484605						
820000	3.770777	4.445371						
821000	3.903308	4.520522						
822000	3.878381	4.436991						
823000	4.03147	4.294988						
824000	3.789894	4.552642						
825000	4.128202	4.478192						
826000	3.668018	4.469783						
827000	3.997115	4.499485						
828000	4.0494	4.108334						
829000	3.598069	3.879364						
830000	3.944829	4.505054						
831000	3.719368	4.886595						

832000	3.750781	4.129938						
833000	4.022748	4.555839						
834000	3.914607	4.28815						
835000	3.925222	3.690987						
836000	3.881153	4.514625						
837000	4.068239	4.468832						
838000	3.897379	4.353102						
839000	3.720503	4.385437						
840000	4.202556	4.356713						
841000	3.829236	4.390532						
842000	3.930959	4.559056						
843000	3.330354	4.574424						
844000	4.052625	4.267192						
845000	3.620355	4.592051						
846000	3.951059	4.398445						
847000	4.005687	3.786991						
848000	4.010641	4.222987						
849000	3.954239	4.617818						
850000	3.771594	4.540248						
851000	3.80203	4.43037						
852000	3.664841	4.449196						
853000	3.877475	4.707934						
854000	3.806553	4.387061						
855000	3.797712	4.45258						
856000	3.696442	4.280129						
857000	3.534986	4.530325						
858000	3.80163	4.388845						
859000	3.426176	4.229511						
860000	3.850884	4.347251						
861000	3.93895	4.439849						
862000	4.020274	4.392545						
863000	3.939394	4.570033						

864000	3.837171	4.487086						
865000	3.744857	4.527439						
866000	3.897201	4.324145						
867000	3.551948	4.562553						
868000	3.88166	4.632626						
869000	3.839416	4.494915						
870000	4.243252	4.554456						
871000	3.683861	4.430187						
872000	3.788182	4.488407						
873000	3.778917	4.535007						
874000	3.769399	4.434065						
875000	3.475209	4.472541						
876000	3.645417	4.540819						
877000	3.843748	4.458224						
878000	4.05482	3.992218						
879000	3.870482	4.427451						
880000	3.798016	4.260205						
881000	3.995055	4.306998						
882000	3.737911	4.446138						
883000	3.977478	4.48648						
884000	3.721376	4.297977						
885000	3.952659	4.42559						
886000	4.099303	4.376366						
887000	3.951827	4.35765						
888000	4.011617	4.322198						
889000	4.167375	4.483385						
890000	3.863051	4.545676						
891000	3.864137	4.846507						
892000	3.623702	4.667709						
893000	3.677093	4.380549						
894000	3.701695	4.071148						
895000	3.548429	4.542671						



896000	3.752886	4.478554						
897000	3.850383	4.548706						
898000	3.35205	4.479507						
899000	3.811447	4.682702						
900000	3.660418	4.48807						
901000	3.811401	4.452705						
902000	3.97054	4.537924						
903000	3.835085	4.407659						
904000	3.790826	4.492955						
905000	3.207434	4.418094						
906000	3.686067	4.461743						
907000	3.799655	4.083721						
908000	3.827876	4.241136						
909000	4.049118	4.519348						
910000	3.1393	4.169945						
911000	3.645292	3.946233						
912000	3.897862	3.977288						
913000	3.866731	4.695139						
914000	3.818301	4.537881						
915000	4.10333	4.439497						
916000	3.792301	4.428451						
917000	3.755692	4.758326						
918000	3.540153	4.023563						
919000	3.38241	4.414847						
920000	4.151358	4.404054						
921000	3.940104	4.474505						
922000	3.822034	4.594763						
923000	3.50854	4.537878						
924000	3.776709	4.18878						
925000	3.953713	3.7812						
926000	3.989647	4.399902						
927000	3.791449	4.362472						

928000	3.446049	4.587442						
929000	3.820254	4.490764						
930000	3.756788	4.639351						
931000	3.8225	4.210108						
932000	3.82296	4.3075						
933000	3.982425	4.278059						
934000	3.528192	4.233277						
935000	3.252757	4.682386						
936000	3.286179	4.150523						
937000	3.771901	4.622405						
938000	3.792342	4.293504						
939000	3.406656	4.346614						
940000	3.875045	4.544699						
941000	3.711866	4.214192						
942000	3.748673	4.310615						
943000	3.916295	4.47079						
944000	3.561489	4.252959						
945000	3.782859	4.66184						
946000	3.743001	3.842973						
947000	3.727394	4.02928						
948000	3.142763	4.255427						
949000	3.761809	4.615572						
950000	3.857131	4.212793						
951000	3.708737	4.559998						
952000	3.739522	4.597066						
953000	3.364233	4.593772						
954000	3.832085	4.370615						
955000	3.857935	7.300975						
956000	6.907432	3.574414						
957000	4.564798	4.358589						
958000	4.05116	4.172134						
959000	3.649508	4.600599						

960000	3.988554	4.195919						
961000	3.946927	4.705287						
962000	4.041768	4.192907						
963000	4.00865	4.576647						
964000	4.062884	4.582766						
965000	3.851104	4.545914						
966000	3.816221	4.479237						
967000	3.638738	4.591288						
968000	3.861389	4.527471						
969000	3.957995	4.561106						
970000	3.7111	4.443223						
971000	3.856411	4.051679						
972000	3.767597	4.533171						
973000	3.791404	4.692635						
974000	3.562788	4.459409						
975000	3.763181	4.49519						
976000	3.925089	4.428183						
977000	3.819627	4.504241						
978000	3.655348	4.417212						
979000	3.528822	4.321898						
980000	3.249709	4.646718						
981000	3.035829	4.544251						
982000	3.476702	4.538439						
983000	3.72926	3.925923						
984000	3.60803	4.468777						
985000	3.567885	4.600256						
986000	3.518161	4.440961						
987000	3.66564	4.42687						
988000	3.914591	4.516899						
989000	3.730852	4.375586						
990000	3.476954	4.415444						
991000	3.665469	4.216137						

992000	3.634386	4.552209						
993000	3.782456	4.571248						
994000	3.850294	4.444452						
995000	3.76051	3.963267						
996000	3.766526	4.449999						
997000	3.850442	4.453758						
998000	3.916647	4.459534						
999000	3.81096	4.454138						
1000000	4.097698	4.513679						
1001000	3.51221	4.572283						
1002000	3.706621	4.040753						
1003000	3.644062	4.489274						
1004000	3.637663	4.792754						
1005000	3.577529	4.642984						
1006000	3.728899	4.524191						
1007000	3.852586	4.528665						
1008000	3.723031	4.582474						
1009000	3.803674	4.408937						
1010000	3.838973	4.465228						
1011000	3.774661	4.719993						
1012000	3.765155	4.557663						
1013000	3.755335	4.571254						
1014000	4.004259	4.578397						
1015000	3.767701	4.523215						
1016000	3.948016	3.786427						
1017000	3.639058	4.139424						
1018000	3.763922	4.630442						
1019000	3.837507	4.568774						
1020000	3.851175	4.214807						
1021000	3.651644	4.406109						
1022000	3.428246	4.365072						
1023000	3.710355	4.434952						

1024000	3.615553	4.4233						
1025000	3.675785	4.660629						
1026000	3.745184	4.526739						
1027000	3.300844	4.475276						
1028000	3.361062	4.416334						
1029000	3.552017	4.288348						
1030000	3.47921	4.426133						
1031000	3.538233	4.581						
1032000	3.906427	3.965272						
1033000	3.718816	4.540925						
1034000	3.683451	4.709442						
1035000	3.659033	4.415694						
1036000	3.650533	4.653714						
1037000	3.632949	4.635053						
1038000	3.722363	4.103028						
1039000	3.959764	4.478635						
1040000	3.868725	4.339853						
1041000	3.828438	3.883275						
1042000	3.873446	4.480702						
1043000	3.845339	4.544709						
1044000	3.755185	4.50125						
1045000	3.72871	4.423164						
1046000	3.556035	4.434476						
1047000	3.231936	4.46621						
1048000	3.930206	4.432329						
1049000	3.422641	4.505252						
1050000	3.877655	3.958716						
1051000	3.713822	4.710175						
1052000	3.718007	4.622506						
1053000	3.715959	4.569882						
1054000	3.765311	4.097645						
1055000	3.618064	4.472273						

1056000	3.773452	4.294384						
1057000	3.995131	4.500006						
1058000	3.93356	4.48956						
1059000	3.98319	4.447146						
1060000	3.773289	4.40453						
1061000	3.867443	4.691129						
1062000	3.739041	4.571375						
1063000	3.470949	4.517887						
1064000	3.205087	4.324357						
1065000	3.685691	4.601981						
1066000	3.592388	4.506373						
1067000	3.370007	4.535589						
1068000	3.609846	4.434544						
1069000	3.599213	3.916159						
1070000	3.737651	4.18888						
1071000	3.68161	4.41379						
1072000	3.690706	4.598317						
1073000	3.650488	4.372736						
1074000	3.861448	4.618901						
1075000	3.340247	4.345504						
1076000	3.687865	4.517296						
1077000	3.615546	4.529464						
1078000	3.28804	4.407486						
1079000	3.802184	4.311381						
1080000	3.73644	4.119784						
1081000	4.599927	4.218523						
1082000	3.880257	3.568149						
1083000	4.870938	4.955582						
1084000	4.124806	4.570436						
1085000	4.135168	4.715184						
1086000	4.100858	4.521746						
1087000	3.951446	4.638141						

1088000	3.993804	4.428301						
1089000	3.89622	4.410908						
1090000	3.776585	4.530872						
1091000	4.004361	4.527234						
1092000	3.911856	4.541159						
1093000	3.87752	4.621277						
1094000	3.888039	4.463867						
1095000	3.898952	4.491738						
1096000	3.717508	4.445419						
1097000	3.807083	4.470501						
1098000	3.811008	4.418802						
1099000	3.957695	4.474485						
1100000	3.842146	4.498839						
1101000	3.868961	4.214106						
1102000	3.567978	4.502026						
1103000	3.880566	4.641447						
1104000	3.807631	4.265157						
1105000	3.79109	4.594091						
1106000	3.383959	4.39944						
1107000	3.650384	4.363337						
1108000	3.713307	4.281013						
1109000	3.518637	4.67735						
1110000	3.696437	4.420981						
1111000	3.641735	5.079507						
1112000	3.418765	4.119609						
1113000	3.670854	4.470334						
1114000	3.774962	4.372818						
1115000	3.568214	4.483128						
1116000	3.465721	4.256359						
1117000	3.775023	4.240115						
1118000	3.58702	4.733836						
1119000	3.71624	3.824028						

1120000	3.767554	4.402618						
1121000	3.612167	4.481652						
1122000	3.746707	4.468041						
1123000	3.384839	4.427413						
1124000	3.61062	4.562809						
1125000	3.997947	4.458873						
1126000	3.883172	4.436993						
1127000	4.094178	4.501586						
1128000	3.88655	4.38244						
1129000	4.000606	4.387756						
1130000	3.488932	4.52696						
1131000	3.779482	4.070536						
1132000	3.615238	4.570946						
1133000	3.706432	3.767629						
1134000	3.672174	4.338985						
1135000	3.942647	4.383696						
1136000	3.749673	4.479131						
1137000	3.843271	4.779251						
1138000	3.753538	4.481457						
1139000	3.748323	4.922689						
1140000	3.837964	3.927708						
1141000	3.737344	4.733608						
1142000	3.816313	4.70667						
1143000	3.332475	4.646548						
1144000	3.767259	4.550631						
1145000	3.807304	4.594439						
1146000	3.758942	4.180015						
1147000	3.790359	4.539816						
1148000	3.707751	4.395308						
1149000	3.715024	4.542648						
1150000	3.595721	4.261373						
1151000	3.494915	4.445431						



1152000	3.452416	4.415831						
1153000	3.615459	4.54084						
1154000	3.670399	4.347496						
1155000	3.41537	4.53888						
1156000	3.515598	4.279772						
1157000	3.583072	4.672922						
1158000	3.562561	4.211604						
1159000	3.501001	4.484646						
1160000	3.449774	4.477219						
1161000	3.635929	4.289362						
1162000	3.508996	4.669664						
1163000	3.629373	4.17393						
1164000	3.644298	4.399268						
1165000	3.801308	4.58824						
1166000	3.452203	4.376333						
1167000	3.706337	4.716623						
1168000	3.568153	3.874843						
1169000	3.85455	4.482883						
1170000	3.29213	4.397097						
1171000	3.527243	4.488398						
1172000	3.520978	4.425819						
1173000	3.970103	3.942303						
1174000	3.738251	4.437532						
1175000	3.721134	4.68012						
1176000	3.721679	4.46631						
1177000	3.847465	4.521029						
1178000	3.564038	3.826632						
1179000	3.736123	4.602372						
1180000	3.588371	4.409548						
1181000	3.644307	4.580788						
1182000	3.421862	4.455846						
1183000	3.727408	4.734799						

1184000	3.792822	4.480319						
1185000	3.705951	4.646627						
1186000	3.621463	4.401885						
1187000	3.394755	4.797528						
1188000	3.693206	4.538102						
1189000	3.730444	4.116135						
1190000	3.603939	4.37647						
1191000	3.771584	4.686112						
1192000	3.493815	4.262172						
1193000	3.602049	4.799859						
1194000	3.437234	4.542466						
1195000	3.724634	4.533749						
1196000	3.380868	4.464665						
1197000	3.469141	4.729545						
1198000	3.604829	4.270067						
1199000	3.301192	4.25555						
1200000	3.609437	4.302458						
1201000	3.49525	4.421859						
1202000	3.418136	4.833825						
1203000	3.207391	4.529546						
1204000	3.701364	4.330567						
1205000	3.542555	4.495214						
1206000	3.646941	4.350259						
1207000	3.915615	4.427427						
1208000	3.803818	4.185474						
1209000	4.034783	4.323406						
1210000	3.684996	4.688208						
1211000	3.818299	4.097416						
1212000	3.722094	4.396278						
1213000	3.901812	4.25549						
1214000	3.570913	4.4348						
1215000	3.431147	4.5319						

1216000	3.673538	4.410648						
1217000	3.518418	4.428115						
1218000	3.597386	4.584839						
1219000	3.615357	4.617082						
1220000	3.67694	4.049465						
1221000	3.798481	4.538384						
1222000	3.901895	4.550431						
1223000	3.600212	4.48305						
1224000	3.671552	4.499055						
1225000	3.746976	4.528966						
1226000	3.74176	4.242846						
1227000	3.744882	4.62035						
1228000	3.905741	3.949065						
1229000	3.728074	4.386668						
1230000	4.22568	5.9751						
1231000	2.959684	5.319313						
1232000	3.509038	4.705846						
1233000	3.893999	4.649542						
1234000	3.727192	4.603474						
1235000	3.767664	4.590402						
1236000	3.683194	4.630271						
1237000	3.776596	4.74453						
1238000	3.781247	4.506332						
1239000	3.706801	4.62779						
1240000	3.628586	4.454181						
1241000	3.657537	4.409596						
1242000	3.681809	4.389904						
1243000	3.592089	4.453723						
1244000	3.749288	4.404997						
1245000	3.686507	4.235532						
1246000	3.821196	4.469844						
1247000	3.595278	4.542517						

1248000	3.699281	4.117699						
1249000	3.643535	4.476156						
1250000	4.033286	4.285361						
1251000	3.694497	4.534433						
1252000	3.344021	4.198746						
1253000	3.717689	4.660445						
1254000	3.580257	4.590156						
1255000	3.689446	4.710515						
1256000	3.707808	4.460092						
1257000	3.165362	4.464451						
1258000	3.497935	4.431379						
1259000	3.666183	4.408723						
1260000	3.767213	4.383231						
1261000	3.737656	4.524028						
1262000	3.690943	4.686343						
1263000	3.39228	4.474912						
1264000	3.76278	4.557525						
1265000	3.314618	4.488318						
1266000	3.49574	4.565362						
1267000	3.817468	4.392672						
1268000	3.891356	4.224988						
1269000	3.594176	4.550379						
1270000	3.901682	4.264782						
1271000	3.755202	4.39619						
1272000	3.588459	4.625614						
1273000	3.659866	4.141514						
1274000	3.919841	4.308086						
1275000	3.408185	4.571219						
1276000	3.587466	4.374724						
1277000	3.63966	4.48919						
1278000	3.571807	4.311708						
1279000	3.39484	4.643529						

1280000	3.276543	4.581839						
1281000	3.658305	4.597132						
1282000	3.400623	4.588067						
1283000	3.593482	4.326023						
1284000	3.318914	4.067346						
1285000	3.128658	4.426411						
1286000	3.697326	4.464662						
1287000	3.714764	4.490029						
1288000	3.794899	4.497309						
1289000	3.613659	4.420699						
1290000	3.658022	4.164941						
1291000	3.638198	4.538564						
1292000	3.74509	4.512099						
1293000	3.713345	4.453468						
1294000	3.896889	4.445694						
1295000	3.568878	4.462564						
1296000	3.379916	4.450126						
1297000	3.79925	4.696107						
1298000	3.770085	4.456736						
1299000	3.708439	4.212782						
1300000	3.504434	4.376671						
1301000	3.52064	4.584129						
1302000	3.521297	4.167281						
1303000	3.808963	4.45756						
1304000	3.59776	4.596928						
1305000	3.358915	4.451056						
1306000	3.72496	4.491961						
1307000	3.631151	4.462062						
1308000	3.762358	4.230001						
1309000	3.544911	4.451018						
1310000	3.483853	4.443393						
1311000	3.742747	4.565675						

1312000	3.746144	4.358624						
1313000	3.99142	4.537111						
1314000	3.451742	4.457707						
1315000	4.013642	4.686864						
1316000	4.021427	4.518049						
1317000	3.995065	4.5074						
1318000	3.780023	4.431095						
1319000	3.587338	4.618732						
1320000	3.513673	4.512078						
1321000	3.662554	4.615698						
1322000	3.535728	4.444835						
1323000	3.405521	4.023439						
1324000	3.751943	4.289897						
1325000	3.298326	4.494511						
1326000	3.559264	4.256157						
1327000	3.676101	4.462838						
1328000	3.207468	4.498234						
1329000	3.772312	4.115538						
1330000	3.637981	4.485331						
1331000	3.366768	4.576533						
1332000	3.628295	4.426695						
1333000	3.476585	4.413131						
1334000	3.659633	4.643343						
1335000	3.787226	4.523294						
1336000	3.363197	4.424961						
1337000	3.719884	4.273948						
1338000	3.993695	4.459209						
1339000	3.424693	4.36945						
1340000	3.83136	4.382272						
1341000	3.848693	4.700299						
1342000	3.707241	4.569316						
1343000	3.675199	4.49745						

1344000	3.628876	4.454911						
1345000	3.704998	4.584327						
1346000	3.719212	4.478814						
1347000	3.51976	4.359597						
1348000	3.375329	4.633094						
1349000	3.738222	4.305333						
1350000	3.540799	4.376623						
1351000	3.720119	4.043453						
1352000	3.927618	4.347216						
1353000	3.598272	4.650996						
1354000	3.732631	4.405936						
1355000	3.817155	4.559511						
1356000	3.765571	4.299808						
1357000	3.829142	4.476358						
1358000	3.629424	4.540947						
1359000	3.892047	4.438723						
1360000	3.760057	4.472619						
1361000	3.563927	4.659379						
1362000	3.809333	4.321895						
1363000	3.529045	4.463073						
1364000	3.571863	4.49952						
1365000	3.504963	4.435574						
1366000	3.041052	4.252209						
1367000	3.595555	4.728255						
1368000	3.62872	4.174563						
1369000	3.686132	4.408718						
1370000	3.648716	4.454545						
1371000	3.521554	4.375986						
1372000	3.743404	4.541928						
1373000	3.740534	4.436997						
1374000	3.67022	4.504229						
1375000	3.769048	4.3791						

1376000	3.674312	4.513254						
1377000	3.62576	4.100907						
1378000	3.533253	4.081639						
1379000	3.591633	4.610987						
1380000	3.650563	4.456081						
1381000	3.936757	4.543365						
1382000	3.745373	4.016438						
1383000	3.372704	4.600037						
1384000	3.71062	4.741049						
1385000	3.658099	4.560082						
1386000	3.732219	4.425501						
1387000	3.477786	4.321444						
1388000	3.423281	4.38799						
1389000	3.715588	4.816032						
1390000	3.756058	4.432224						
1391000	3.504762	4.498999						
1392000	3.731735	4.452635						
1393000	3.58218	4.432488						
1394000	3.615839	4.826702						
1395000	3.532121	4.477867						
1396000	3.620613	4.260103						
1397000	3.627085	4.446037						
1398000	4.088686	4.453313						
1399000	3.753836	4.320294						
1400000	3.802723	4.470984						
1401000	3.764709	4.344052						
1402000	3.808041	4.360429						
1403000	3.953407	4.468806						
1404000	3.675173	4.482902						
1405000	3.545145	4.170222						
1406000	3.581866	4.513109						
1407000	3.460042	4.552108						



1408000	3.505796	4.474515						
1409000	3.578067	4.609216						
1410000	3.361977	4.565749						
1411000	3.564686	4.366554						
1412000	3.557693	4.645515						
1413000	3.479053	4.594785						
1414000	3.225846	4.553244						
1415000	3.649672	4.164975						
1416000	3.790986	4.402484						
1417000	3.513999	4.589963						
1418000	3.841151	4.439078						
1419000	3.572664	4.693731						
1420000	3.778051	4.527621						
1421000	3.756877	4.54						
1422000	3.516369	4.047539						
1423000	3.302622	4.604008						
1424000	3.808637	4.286545						
1425000	3.703789	4.552883						
1426000	3.668996	4.436449						
1427000	3.462429	4.587517						
1428000	3.329237	4.5248						
1429000	3.602678	4.354373						
1430000	3.538696	4.458592						
1431000	3.519571	4.505836						
1432000	3.554498	4.560006						
1433000	3.406666	4.299584						
1434000	3.591654	3.987486						
1435000	3.438502	4.487713						
1436000	3.646893	4.408249						
1437000	3.318522	3.862057						
1438000	3.667599	4.450715						
1439000	3.309088	4.405465						

1440000	3.626695	4.435007						
1441000	3.710038	4.473644						
1442000	3.475963	4.337017						
1443000	3.627941	4.539264						
1444000	3.827793	4.397946						
1445000	3.421123	4.470046						
1446000	3.108244	4.249169						
1447000	3.428582	4.42431						
1448000	3.369384	4.431377						
1449000	3.636014	4.57792						
1450000	3.296109	4.831684						
1451000	3.435001	4.26251						
1452000	3.375825	4.492167						
1453000	3.365406	4.229624						
1454000	3.172469	4.516104						
1455000	3.449031	4.655511						
1456000	3.35269	4.564849						
1457000	3.725933	4.483616						
1458000	3.701675	4.457616						
1459000	3.661989	4.514274						
1460000	3.701123	4.114312						
1461000	3.634865	4.302606						
1462000	2.842059	4.45474						
1463000	3.693089	4.525338						
1464000	3.666769	4.686501						
1465000	3.811094	4.572624						
1466000	3.789125	4.489325						
1467000	3.592776	4.284082						
1468000	3.79384	4.289436						
1469000	3.813234	4.497806						
1470000	3.478025	4.21537						
1471000	3.521554	4.301221						

1472000	3.655364	4.173568						
1473000	3.650386	4.352021						
1474000	3.714612	4.678186						
1475000	3.673314	3.953619						
1476000	3.782555	4.469917						
1477000	3.687309	4.489176						
1478000	3.424874	4.465693						
1479000	3.746022	4.18848						
1480000	3.794131	4.472394						
1481000	3.80196	4.472396						
1482000	3.80493	4.586255						
1483000	3.745054	4.523095						
1484000	3.50502	4.440188						
1485000	3.601947	3.913349						
1486000	3.677667	4.310649						
1487000	3.841961	4.530604						
1488000	3.717673	4.374576						
1489000	3.568273	4.557946						
1490000	3.614543	4.226265						
1491000	3.623738	4.428375						
1492000	3.449944	4.504547						
1493000	3.445958	4.485187						
1494000	3.62439	4.485775						
1495000	3.688679	4.551966						
1496000	3.629608	4.418288						
1497000	3.664081	4.437661						
1498000	3.673033	4.371747						
1499000	3.424241	4.687482						
1500000	3.59257	4.418307						
1501000	3.54159	4.46091						
1502000	3.561868	4.510414						
1503000	3.120145	4.384021						

1504000	3.745989	4.273177						
1505000	3.654431	4.250535						
1506000	3.445944	4.490093						
1507000	3.720448	4.08559						
1508000	3.755543	4.338242						
1509000	3.089216	4.221389						
1510000	3.501052	4.36775						
1511000	3.822383	4.469832						
1512000	3.561226	4.451196						
1513000	3.80661	4.559542						
1514000	3.563869	4.146078						
1515000	3.606877	4.405192						
1516000	3.594375	4.471841						
1517000	3.690615	4.608917						
1518000	3.796539	4.510197						
1519000	3.437602	4.607207						
1520000	3.734751	4.503302						
1521000	3.751476	4.528957						
1522000	3.739914	4.606665						
1523000	3.687264	4.453371						
1524000	3.902137	4.494641						
1525000	3.642521	4.069429						
1526000	3.658976	4.181516						
1527000	3.828344	4.578876						
1528000	3.452655	4.532592						
1529000	3.600826	4.404584						
1530000	3.660743	4.196949						
1531000	3.938787	4.654441						
1532000	3.526894	4.420941						
1533000	3.547131	4.305099						
1534000	3.570361	3.708519						
1535000	3.369915	4.736063						

1536000	3.490274	4.171035						
1537000	3.618094	4.420121						
1538000	3.427194	4.386098						
1539000	3.622692	4.106858						
1540000	3.429139	4.452685						
1541000	3.344587	4.499367						
1542000	3.557968	4.038205						
1543000	3.798471	4.479151						
1544000	3.407558	4.488297						
1545000	3.082923	4.38114						
1546000	3.588924	4.472281						
1547000	3.262138	4.528154						
1548000	3.718233	4.246385						
1549000	3.647722	4.334258						
1550000	3.602011	4.666077						
1551000	3.682338	4.288464						
1552000	3.511833	4.482402						
1553000	3.71703	4.449073						
1554000	3.703158	4.15961						
1555000	3.796529	4.456344						
1556000	3.677104	4.376212						
1557000	3.383519	4.387796						
1558000	3.577101	4.527771						
1559000	3.52307	4.752019						
1560000	3.715326	4.285063						
1561000	3.645393	4.78431						
1562000	3.831908	4.159236						
1563000	3.6078	4.33377						
1564000	3.749269	4.37188						
1565000	3.859456	4.491366						
1566000	3.566515	4.578369						
1567000	3.625721	4.445908						

1568000	3.890941	4.080193						
1569000	3.483094	4.698494						
1570000	3.731973	4.554621						
1571000	3.668915	4.488732						
1572000	3.835166	4.539111						
1573000	3.778103	4.520289						
1574000	3.587681	4.185832						
1575000	3.691806	4.440046						
1576000	3.397139	4.709496						
1577000	3.341711	4.583019						
1578000	3.51259	3.975151						
1579000	3.553394	4.61374						
1580000	3.484816	4.62552						
1581000	3.57161	4.120249						
1582000	3.495321	4.535096						
1583000	3.574771	4.440351						
1584000	3.670023	4.398977						
1585000	3.530997	4.460629						
1586000	3.520973	4.256997						
1587000	3.504577	4.531989						
1588000	3.578974	4.558368						
1589000	3.717981	4.457019						
1590000	3.668722	4.539337						
1591000	3.715838	4.560085						
1592000	3.651117	4.422516						
1593000	3.809183	4.52893						
1594000	3.771166	4.252012						
1595000	3.78083	4.52769						
1596000	3.819792	4.503465						
1597000	3.728873	4.321212						
1598000	3.73081	4.536679						
1599000	3.491417	4.471996						

1600000	3.576684	4.105624						
1601000	3.664343	4.463601						
1602000	3.583948	4.398546						
1603000	3.727884	4.536285						
1604000	3.674975	4.657203						
1605000	3.628698	4.568157						
1606000	3.57008	4.441706						
1607000	3.841562	4.600843						
1608000	3.792876	4.343197						
1609000	3.73523	4.404055						
1610000	3.677666	4.510643						
1611000	3.73738	4.609161						
1612000	3.660743	4.557379						
1613000	3.676671	3.827472						
1614000	3.738077	4.189721						
1615000	3.504807	4.355512						
1616000	3.938653	4.382111						
1617000	3.633786	4.472482						
1618000	3.573554	4.582608						
1619000	3.590543	4.426655						
1620000	3.395254	4.046826						
1621000	3.497469	4.503434						
1622000	3.641379	4.443084						
1623000	3.380246	4.347039						
1624000	3.701641	4.323646						
1625000	3.203496	4.528713						
1626000	3.552036	4.141162						
1627000	3.590605	4.564282						
1628000	3.572101	4.073193						
1629000	3.454042	4.586511						
1630000	3.577617	4.508796						
1631000	3.654204	4.197341						

1632000	3.480612	4.500035						
1633000	3.650558	4.691885						
1634000	3.761124	4.398753						
1635000	3.844081	4.241036						
1636000	3.722467	4.356222						
1637000	3.647082	4.167901						
1638000	3.483402	4.58072						
1639000	3.683804	4.516551						
1640000	3.560572	4.184744						
1641000	3.603537	4.466751						
1642000	3.15164	4.378572						
1643000	3.582089	4.499978						
1644000	3.700677	4.40993						
1645000	3.76839	4.51692						
1646000	3.690416	3.940618						
1647000	3.363367	4.693065						
1648000	3.048597	4.231143						
1649000	3.746869	4.52213						
1650000	3.541523	4.512943						
1651000	3.777741	4.4092						
1652000	3.819175	4.358649						
1653000	3.453655	4.606939						
1654000	3.757229	4.611192						
1655000	3.55407	4.570245						
1656000	3.566524	4.304538						
1657000	3.616889	4.726489						
1658000	3.721896	4.337978						
1659000	3.49417	4.498126						
1660000	3.659864	4.740726						
1661000	3.481326	4.410516						
1662000	3.50704	4.080331						
1663000	3.680006	4.390307						



1664000	3.472858	4.526443						
1665000	3.391102	4.354608						
1666000	3.658543	4.521328						
1667000	3.579789	4.607575						
1668000	3.599818	4.243035						
1669000	3.334545	4.542161						
1670000	6.167707	4.199646						
1671000	3.666282	4.740794						
1672000	3.756107	4.554799						
1673000	3.864432	4.672005						
1674000	3.897301	4.627559						
1675000	3.904323	4.690032						
1676000	3.881196	4.613586						
1677000	3.767808	4.509061						
1678000	3.549408	4.400683						
1679000	3.659933	4.555942						
1680000	3.719662	4.661661						
1681000	3.763842	4.654303						
1682000	3.272626	4.3915						
1683000	3.71258	4.486848						
1684000	3.78612	4.617499						
1685000	3.571687	4.632597						
1686000	3.748139	4.600292						
1687000	3.560356	4.762964						
1688000	3.805995	4.533459						
1689000	3.794937	4.269691						
1690000	3.506304	4.243064						
1691000	3.746369	4.668225						
1692000	3.661482	4.131381						
1693000	3.558869	4.601437						
1694000	3.752656	4.685117						
1695000	3.759828	4.533232						

1696000	3.332306	4.471812						
1697000	3.835118	4.541098						
1698000	3.861656	4.443788						
1699000	3.781041	4.449166						
1700000	3.596719	4.406665						
1701000	3.648698	4.715154						
1702000	3.754271	4.735053						
1703000	3.503471	4.409896						
1704000	3.416083	4.31697						
1705000	3.521787	4.673288						
1706000	3.486285	4.451743						
1707000	3.280307	4.508719						
1708000	3.445626	4.20159						
1709000	3.583291	4.432395						
1710000	3.502052	4.30097						
1711000	3.616792	4.565563						
1712000	3.556552	4.033894						
1713000	3.662408	4.573101						
1714000	3.701805	4.463308						
1715000	3.725997	4.517871						
1716000	3.547411	4.818186						
1717000	3.704942	4.551367						
1718000	3.537045	4.287052						
1719000	3.72559	4.461452						
1720000	3.623163	4.643941						
1721000	3.551791	4.533459						
1722000	3.556479	4.458958						
1723000	3.857307	4.445224						
1724000	3.677791	4.688981						
1725000	3.8738	4.481796						
1726000	3.68233	4.473994						
1727000	3.544107	4.235197						

1728000	3.413396	4.677265						
1729000	3.642738	4.478463						
1730000	3.763936	4.515796						
1731000	3.71496	4.179105						
1732000	3.465287	4.279709						
1733000	3.683728	4.40421						
1734000	3.815492	4.453948						
1735000	3.695688	4.703755						
1736000	3.635067	4.237993						
1737000	3.437669	4.233523						
1738000	3.790587	4.432489						
1739000	3.706021	4.609389						
1740000	3.542872	4.157165						
1741000	3.442323	4.639425						
1742000	3.822185	4.474842						
1743000	3.752327	4.217389						
1744000	3.661442	4.467182						
1745000	3.309227	4.318265						
1746000	3.752598	4.257123						
1747000	3.452358	4.534499						
1748000	3.525101	4.525385						
1749000	3.100036	4.638348						
1750000	3.594736	4.578082						
1751000	3.396829	4.524443						
1752000	3.62232	4.265178						
1753000	3.239893	4.409675						
1754000	3.514595	4.423367						
1755000	3.417665	4.819045						
1756000	3.63474	4.488194						
1757000	3.268672	4.464345						
1758000	3.713768	4.481138						
1759000	3.644582	4.245643						

1760000	3.581307	4.698579						
1761000	3.484756	4.686039						
1762000	3.727859	4.516648						
1763000	3.841255	4.154413						
1764000	3.706763	4.276058						
1765000	3.570863	4.285323						
1766000	3.885096	4.483582						
1767000	3.841725	4.298129						
1768000	3.763168	4.677469						
1769000	3.640589	4.08397						
1770000	3.569695	4.437191						
1771000	3.623081	4.097458						
1772000	3.603327	4.624394						
1773000	3.658608	4.479276						
1774000	3.816435	4.352144						
1775000	3.392696	4.089066						
1776000	3.47319	4.542342						
1777000	3.704921	4.532197						
1778000	3.83694	4.508893						
1779000	3.888566	4.39048						
1780000	3.492577	4.557573						
1781000	3.717016	4.595646						
1782000	3.546423	4.498502						
1783000	3.263867	4.440327						
1784000	3.541608	4.671537						
1785000	3.706285	4.711105						
1786000	3.313161	4.341449						
1787000	3.808293	4.486585						
1788000	3.46657	4.542413						
1789000	3.499286	4.530762						
1790000	3.441513	4.211825						
1791000	3.424554	4.489772						

1792000	3.324882	4.042161						
1793000	3.606193	4.621144						
1794000	3.609131	4.639357						
1795000	3.536652	4.356803						
1796000	3.674439	4.35044						
1797000	3.274341	4.345982						
1798000	3.532004	4.224146						
1799000	3.319848	4.651368						
1800000	3.388724	4.53809						
1801000	3.655057	4.394467						
1802000	3.673724	3.716627						
1803000	3.620613	4.485991						
1804000	3.530186	4.342127						
1805000	3.694004	4.543601						
1806000	3.660883	5.615935						
1807000	3.90768	5.187788						
1808000	3.624277	4.469829						
1809000	4.042468	4.460262						
1810000	3.947879	4.463414						
1811000	3.827217	4.540039						
1812000	3.742451	4.570614						
1813000	3.58562	4.510546						
1814000	3.007538	4.403459						
1815000	3.587022	4.467666						
1816000	3.598329	4.324884						
1817000	3.421194	4.579912						
1818000	3.418784	4.481938						
1819000	3.751285	4.502091						
1820000	3.861331	4.356202						
1821000	3.691726	4.673426						
1822000	3.695497	4.511083						
1823000	3.702364	4.562706						

1824000	3.628198	4.445177						
1825000	3.660812	4.71222						
1826000	3.573178	4.573449						
1827000	3.56425	4.623553						
1828000	3.772765	4.487201						
1829000	3.755251	4.507211						
1830000	3.513819	4.482795						
1831000	3.350524	3.942747						
1832000	3.73332	4.375218						
1833000	3.652327	4.689112						
1834000	3.470457	4.631687						
1835000	3.441748	4.494082						
1836000	3.314491	4.517283						
1837000	3.569035	4.466923						
1838000	3.472877	3.965163						
1839000	3.512288	4.473696						
1840000	3.191984	4.444707						
1841000	3.390825	4.338553						
1842000	3.685418	4.482297						
1843000	3.68529	4.273875						
1844000	3.66699	4.622605						
1845000	3.626667	4.528218						
1846000	3.612228	4.29761						
1847000	3.443236	4.188812						
1848000	3.574167	4.128226						
1849000	3.657724	4.615413						
1850000	3.599939	4.396467						
1851000	3.75645	4.523893						
1852000	3.803847	4.467727						
1853000	3.71659	4.590937						
1854000	3.613568	4.338526						
1855000	3.240976	4.103696						

1856000	3.490267	4.441195						
1857000	3.461382	4.153878						
1858000	3.782159	4.15829						
1859000	3.65932	4.527496						
1860000	3.430507	4.460059						
1861000	3.716225	4.495417						
1862000	3.727568	4.371125						
1863000	3.660865	4.681038						
1864000	3.650783	4.194628						
1865000	3.430954	4.446998						
1866000	3.732969	4.435603						
1867000	3.657781	4.508856						
1868000	3.747031	4.585427						
1869000	3.798239	4.540717						
1870000	3.722396	4.609956						
1871000	3.758153	4.611442						
1872000	3.715058	4.626238						
1873000	3.600968	4.624562						
1874000	3.4515	4.222251						
1875000	3.468338	4.149553						
1876000	3.633472	4.491282						
1877000	3.545079	4.485208						
1878000	3.483812	4.566235						
1879000	3.592081	4.524876						
1880000	3.344428	4.377819						
1881000	3.571568	4.467406						
1882000	3.606081	4.271593						
1883000	3.668819	4.530941						
1884000	3.514869	4.43231						
1885000	3.414715	4.40817						
1886000	3.474504	4.357044						
1887000	3.403537	4.264092						

1888000	3.916843	4.166075						
1889000	3.698332	4.603866						
1890000	3.297929	4.538068						
1891000	3.718203	4.457944						
1892000	3.673381	4.460569						
1893000	3.589415	4.441012						
1894000	3.713644	4.391407						
1895000	3.563821	4.514385						
1896000	3.635324	4.383829						
1897000	3.701722	4.428547						
1898000	3.441215	4.623037						
1899000	3.415529	4.347389						
1900000	3.398698	4.166635						
1901000	3.557614	4.406387						
1902000	3.5362	4.412058						
1903000	3.595071	4.797016						
1904000	3.812818	4.51915						
1905000	3.695665	4.525319						
1906000	3.357347	4.596429						
1907000	3.638728	4.414331						
1908000	3.60997	4.358455						
1909000	3.651343	4.39913						
1910000	3.721506	4.422911						
1911000	3.327667	4.645984						
1912000	3.749113	4.306827						
1913000	3.674873	4.133814						
1914000	3.445975	4.112329						
1915000	3.439079	4.355687						
1916000	3.415771	4.375479						
1917000	3.642835	4.337137						
1918000	3.573425	4.374855						
1919000	3.614228	4.09545						



1920000	3.462701	4.447005						
1921000	3.526816	4.407711						
1922000	3.502206	4.323964						
1923000	3.55562	4.356193						
1924000	3.655318	4.423045						
1925000	3.447826	4.610596						
1926000	3.702886	4.356766						
1927000	3.661315	4.484904						
1928000	3.361722	4.591834						
1929000	3.694422	4.393242						
1930000	3.700214	4.375079						
1931000	3.511144	4.760798						
1932000	3.647699	4.027972						
1933000	3.698217	4.598977						
1934000	3.575136	4.649231						
1935000	3.72211	4.520977						
1936000	3.682259	4.243395						
1937000	3.746523	4.643466						
1938000	3.688846	4.602201						
1939000	3.634667	4.305918						
1940000	3.759182	4.635004						
1941000	3.682361	4.455715						
1942000	3.3495	4.354739						
1943000	3.537233	4.54279						
1944000	3.641895	4.381331						
1945000	3.245826	4.118244						
1946000	3.6203	4.150803						
1947000	3.544749	4.507797						
1948000	3.563634	4.207233						
1949000	3.472177	4.270801						
1950000	3.620196	4.245316						
1951000	3.368315	4.130319						

1952000	3.615	4.195182						
1953000	3.402475	4.402232						
1954000	3.511629	4.116222						
1955000	3.609127	4.26824						
1956000	3.557883	4.337166						
1957000	3.45642	4.277312						
1958000	3.783659	4.194652						
1959000	3.617522	4.521955						
1960000	3.229652	3.927705						
1961000	3.291954	4.452302						
1962000	3.445746	4.119815						
1963000	3.371538	4.221194						
1964000	3.287676	4.189283						
1965000	3.463303	4.362504						
1966000	3.385637	3.984755						
1967000	3.262425	4.352262						
1968000	3.588685	3.740448						
1969000	3.327248	4.643874						
1970000	3.270913	4.476659						
1971000	3.517713	4.446707						
1972000	3.579657	4.525589						
1973000	3.492793	4.307212						
1974000	3.612409	4.442176						
1975000	3.58583	4.44072						
1976000	3.522962	4.277208						
1977000	3.448576	4.802616						
1978000	3.48949	4.616738						
1979000	3.770835	4.530011						
1980000	3.691332	4.325538						
1981000	3.708721	4.602568						
1982000	3.676516	4.566493						
1983000	3.370843	4.596395						

1984000	3.719082	4.651364						
1985000	3.631834	4.613308						
1986000	3.374662	4.348081						
1987000	3.626168	4.532062						
1988000	3.693922	4.551606						
1989000	3.686265	4.645042						
1990000	3.569789	4.459133						
1991000	3.648118	4.654117						
1992000	3.699698	4.483004						
1993000	3.722853	4.417231						
1994000	3.706781	4.611154						
1995000	3.705337	4.562494						
1996000	3.791779	4.53908						
1997000	3.469976	4.293958						
1998000	3.819222	4.450296						
1999000	3.790635	4.53858						
2000000	3.61412	4.148924						
2001000	3.753311	4.358594						
2002000	3.430337	4.236474						
2003000	3.418759	4.410763						
2004000	3.373764	4.506615						
2005000	3.467746	4.550291						
2006000	3.475476	4.47721						
2007000	3.434165	4.224185						
2008000	3.381008	3.98184						
2009000	3.425643	4.60948						
2010000	3.499892	4.591405						
2011000	3.534142	4.677174						
2012000	3.700543	4.436784						
2013000	3.786301	4.526725						
2014000	3.714632	4.331789						
2015000	3.655229	4.615551						

2016000	3.564092	4.592153						
2017000	3.642371	4.524207						
2018000	3.531395	4.405478						
2019000	3.536776	4.498478						
2020000	3.606489	4.295982						
2021000	3.241687	4.365101						
2022000	3.600584	4.477912						
2023000	3.385722	4.723143						
2024000	3.655002	4.534277						
2025000	3.697396	4.756727						
2026000	3.498607	4.492511						
2027000	3.778523	4.373987						
2028000	3.571613	4.477152						
2029000	3.65821	4.376637						
2030000	3.686347	4.719679						
2031000	3.591072	4.314345						
2032000	3.609379	4.627546						
2033000	3.483665	4.845079						
2034000	3.798897	4.384079						
2035000	3.70874	4.49359						
2036000	3.808976	4.440881						
2037000	3.536167	4.386051						
2038000	3.748812	4.279234						
2039000	3.702389	4.603989						
2040000	3.725532	4.501409						
2041000	3.473357	4.513077						
2042000	3.690944	4.585832						
2043000	3.735228	4.535997						
2044000	3.778126	4.433299						
2045000	4.785836	6.782894						
2046000	3.470886	4.6934						
2047000	3.545866	4.665883						

2048000	3.644734	4.591238						
2049000	3.50515	4.565217						
2050000	3.54119	4.676574						
2051000	3.424764	4.439236						
2052000	3.584998	4.495826						
2053000	3.723368	4.437021						
2054000	3.314196	4.537364						
2055000	3.468052	4.168209						
2056000	3.642627	4.67686						
2057000	3.646646	4.780047						
2058000	3.437943	4.46778						
2059000	3.368237	4.255258						
2060000	3.689844	4.25858						
2061000	3.586325	4.558443						
2062000	3.739053	4.514344						
2063000	3.678519	4.45505						
2064000	3.705005	4.669568						
2065000	3.760903	4.622523						
2066000	3.76767	4.614916						
2067000	3.613584	4.353641						
2068000	3.785406	4.519825						
2069000	3.542244	4.159687						
2070000	3.494746	4.258218						
2071000	3.632178	4.506501						
2072000	3.653483	4.722715						
2073000	3.580388	4.637117						
2074000	3.651222	4.51464						
2075000	3.713019	4.562205						
2076000	3.475983	4.494						
2077000	3.785967	4.765765						
2078000	3.713538	4.451303						
2079000	3.594616	4.273486						

2080000	3.3999	4.056422						
2081000	3.750465	4.687342						
2082000	3.791453	4.497676						
2083000	3.667559	4.60458						
2084000	3.604241	4.393294						
2085000	3.448641	4.596175						
2086000	3.699409	4.568758						
2087000	3.446725	4.462315						
2088000	3.05446	4.351753						
2089000	3.462418	4.560716						
2090000	3.527756	4.622755						
2091000	3.431161	4.61674						
2092000	3.48982	4.703719						
2093000	3.485345	4.34362						
2094000	3.153996	4.432202						
2095000	3.434464	4.270335						
2096000	3.532441	4.532733						
2097000	3.704839	4.593323						
2098000	3.67906	4.443038						
2099000	3.4258	4.566173						
2100000	3.665526	4.563235						
2101000	3.672108	4.662004						
2102000	3.658198	4.453915						
2103000	3.463912	4.463467						
2104000	3.460658	4.750538						
2105000	3.563353	4.569871						
2106000	3.734989	4.440984						
2107000	3.765432	4.532718						
2108000	3.727311	4.335514						
2109000	3.492258	4.501458						
2110000	3.487711	4.267955						
2111000	3.56465	4.651298						

2112000	3.631838	4.571196						
2113000	3.523925	4.386367						
2114000	3.501415	4.522069						
2115000	3.809434	4.520298						
2116000	3.680478	4.535846						
2117000	3.497239	4.407136						
2118000	3.472867	4.379715						
2119000	3.735933	4.553284						
2120000	3.342283	4.713223						
2121000	3.72441	4.128589						
2122000	3.501155	4.448437						
2123000	3.60644	4.303241						
2124000	3.380069	4.456153						
2125000	3.746395	4.640871						
2126000	3.849398	4.629506						
2127000	3.457124	4.51582						
2128000	3.844284	4.432124						
2129000	3.394509	4.115278						
2130000	3.580474	4.378735						
2131000	2.856873	4.922625						
2132000	2.837764	4.981016						
2133000	2.704806	4.696285						
2134000	2.713532	4.920401						
2135000	2.631493	4.83356						
2136000	3.021887	4.516308						
2137000	2.321515	4.886196						
2138000	2.808056	4.903285						
2139000	2.840058	4.893326						
2140000	2.735097	4.818861						
2141000	2.832639	4.784624						
2142000	2.780255	4.782074						
2143000	2.78059	4.872777						

2144000	2.661332	4.704238						
2145000	2.877427	5.225317						
2146000	2.727367	4.767191						
2147000	2.697057	5.056828						
2148000	2.767403	5.033131						
2149000	2.72329	4.743762						
2150000	2.608019	5.061576						
2151000	2.678918	4.930277						
2152000	2.805817	5.173361						
2153000	2.577813	4.927388						
2154000	2.852122	4.803244						
2155000	2.891681	4.894578						
2156000	2.747205	4.889099						
2157000	2.693316	4.778105						
2158000	2.835153	5.086199						
2159000	2.811025	5.064269						
2160000	2.820528	4.853785						
2161000	2.830584	4.959904						
2162000	2.826498	4.928964						
2163000	2.763572	4.736666						
2164000	2.56479	5.09992						
2165000	2.552932	4.646823						
2166000	2.606161	5.046877						
2167000	2.682824	4.93156						
2168000	2.580792	4.913637						
2169000	2.312322	4.621836						
2170000	2.539495	4.912645						
2171000	2.628954	4.900313						
2172000	2.595099	5.007806						
2173000	2.640039	4.998983						
2174000	2.485982	5.053849						
2175000	2.521158	4.979168						



2176000	2.564218	5.037895						
2177000	2.530758	4.957473						
2178000	2.444545	5.085403						
2179000	2.590646	4.961555						
2180000	2.504616	4.971476						
2181000	2.708883	6.494376						
2182000	2.467976	4.400678						
2183000	2.593544	4.859558						
2184000	2.645443	4.95601						
2185000	2.655881	4.939931						
2186000	2.633366	4.825024						
2187000	2.664554	5.004652						
2188000	2.64851	4.754997						
2189000	2.636639	4.929262						
2190000	2.55166	4.84564						
2191000	2.612882	4.94969						
2192000	2.654809	4.586133						
2193000	2.608454	5.139714						
2194000	2.614877	4.961436						
2195000	2.543674	5.084946						
2196000	2.57309	4.984887						
2197000	2.520812	5.047979						
2198000	2.497163	4.950766						
2199000	2.482907	4.936932						
2200000	2.37928	5.229973						
2201000	2.539594	4.86537						
2202000	2.53372	4.978427						
2203000	2.654477	4.878458						
2204000	2.749544	4.883628						
2205000	2.737385	4.916245						
2206000	2.601306	4.964997						
2207000	2.65394	4.869234						

2208000	2.606506	4.807677					
2209000	2.668009	4.710264					
2210000	2.602406	4.8022					
2211000	2.535395	5.173752					
2212000	2.615054	5.089608					
2213000	2.498147	5.191253					
2214000	2.581827	4.54871					
2215000	2.540485	4.932741					
2216000	2.564382	4.849228					
2217000	2.434912	4.839514					
2218000	2.411926	4.810215					
2219000	2.467961	4.803981					
2220000	2.421877	5.082009					
2221000	2.647888	4.672027					
2222000	2.603177	4.975296					
2223000	2.676768	4.83395					
2224000	2.642537	5.048716					
2225000	2.6512	4.860788					
2226000	2.564535	4.734005					
2227000	2.61274	4.983997					
2228000	2.54638	4.551767					
2229000	2.594778	4.488436					
2230000	2.698513	4.812093					
2231000	2.568775	5.070016					
2232000	2.630205	5.173303					
2233000	2.537379	4.595032					
2234000	2.56499	4.92708					
2235000	2.58325	5.063816					
2236000	2.650066	4.94089					
2237000	2.521164	4.883444					
2238000	2.375545	4.866564					
2239000	2.438165	4.984133					

2240000	2.643095	4.789605						
2241000	2.42284	4.998451						
2242000	2.640294	5.017451						
2243000	2.601784	4.80876						
2244000	2.551067	4.85416						
2245000	2.54639	4.854175						
2246000	2.300528	4.839638						
2247000	2.532345	4.783607						
2248000	2.479287	4.941513						
2249000	2.592166	4.93247						
2250000	2.59729	4.857322						
2251000	2.526448	4.552052						
2252000	2.582022	4.921557						
2253000	2.549615	5.22389						
2254000	2.469471	4.940946						
2255000	2.499875	4.916301						
2256000	2.562974	5.107834						
2257000	2.505578	5.0648						
2258000	2.532017	4.978319						
2259000	2.473796	4.956951						
2260000	2.527469	5.116906						
2261000	2.514456	4.843489						
2262000	2.456599	4.967549						
2263000	2.463359	4.801753						
2264000	2.399007	4.838364						
2265000	2.381795	4.864865						
2266000	2.44903	4.908593						
2267000	2.402111	4.730009						
2268000	2.408083	4.846208						
2269000	2.43429	5.067603						
2270000	2.591567	4.682471						
2271000	2.534454	4.893283						

2272000	2.712754	5.102935						
2273000	2.611373	4.897569						
2274000	2.567355	5.072225						
2275000	2.648645	4.697019						
2276000	2.630633	4.857275						
2277000	2.269038	4.965476						
2278000	2.646441	4.879674						
2279000	2.575416	4.804438						
2280000	2.44904	4.938606						
2281000	2.523683	4.858193						
2282000	2.538567	4.724972						
2283000	2.452558	4.953423						
2284000	2.891668	4.874721						
2285000	2.862707	4.865225						
2286000	2.874373	4.659929						
2287000	2.806605	4.901795						
2288000	2.97061	4.987897						
2289000	2.843912	4.81779						
2290000	2.949262	5.093545						
2291000	2.946545	4.986875						
2292000	2.998947	4.870156						
2293000	2.90228	5.0111						
2294000	2.928501	5.012111						
2295000	2.897298	4.935357						
2296000	2.721104	4.7467						
2297000	2.84271	4.9111						
2298000	2.674159	4.857293						
2299000	2.529424	4.793732						
2300000	2.624927	5.046567						
2301000	2.692366	4.944179						
2302000	2.579297	4.881678						
2303000	2.755628	4.729284						

2304000	2.631405	4.877296						
2305000	2.857023	4.956964						
2306000	2.753243	4.946396						
2307000	2.831474	4.982189						
2308000	2.541861	4.569834						
2309000	2.77175	4.968863						
2310000	2.81885	4.878137						
2311000	2.861733	4.691836						
2312000	2.787883	4.859595						
2313000	2.754105	4.974449						
2314000	2.810441	4.854283						
2315000	2.728002	4.627787						
2316000	2.85648	4.996627						
2317000	2.729873	4.579478						
2318000	2.819298	4.59229						
2319000	2.822081	4.9794						
2320000	2.710345	5.158686						
2321000	2.927192	4.817805						
2322000	2.720717	5.140853						
2323000	2.91825	4.926136						
2324000	2.814398	4.828809						
2325000	2.716789	4.969215						
2326000	2.771892	5.131133						
2327000	2.805304	4.87272						
2328000	2.733432	5.018268						
2329000	2.714201	4.924855						
2330000	2.677172	5.147628						
2331000	2.785249	5.088365						
2332000	2.743042	4.860628						
2333000	2.752779	4.832909						
2334000	2.735495	4.878067						
2335000	2.629587	4.837111						

2336000	2.627833	4.709725						
2337000	2.602227	4.937729						
2338000	2.504689	5.121762						
2339000	2.55341	4.765016						
2340000	2.655998	5.001136						
2341000	2.589509	5.130537						
2342000	2.650423	4.759248						
2343000	2.550254	5.022797						
2344000	2.655123	4.978419						
2345000	2.585631	4.885618						
2346000	2.591441	5.081263						
2347000	2.690472	4.886804						
2348000	2.727484	4.105192						
2349000	2.598674	5.1877						
2350000	2.817587	4.876465						
2351000	2.823243	4.967535						
2352000	2.700514	4.815383						
2353000	2.777622	4.858134						
2354000	2.79772	4.806421						
2355000	2.744685	4.901257						
2356000	2.762121	4.79296						
2357000	2.754074	4.821524						
2358000	2.856398	4.9207						
2359000	2.810976	4.886276						
2360000	2.870313	4.923308						
2361000	2.788052	4.900789						
2362000	2.673131	4.905155						
2363000	2.731426	4.832741						
2364000	2.788989	4.837393						
2365000	2.749297	4.935479						
2366000	2.720939	5.006553						
2367000	2.543935	4.903227						

2368000	2.662304	4.84382						
2369000	2.754647	4.9275						
2370000	2.806489	4.975863						
2371000	2.752185	4.838202						
2372000	2.768083	4.897197						
2373000	2.6659	4.819077						
2374000	2.706356	4.798292						
2375000	2.782224	4.799422						
2376000	2.789925	4.89617						
2377000	2.858098	4.854081						
2378000	2.909738	4.769982						
2379000	2.882826	4.914793						
2380000	2.930165	4.825341						
2381000	2.809536	4.978288						
2382000	2.976678	4.974111						
2383000	2.975244	4.792915						
2384000	2.829166	4.670602						
2385000	2.9137	4.97208						
2386000	2.841984	4.836229						
2387000	2.807773	4.931019						
2388000	2.981641	4.675144						
2389000	2.825375	4.827919						
2390000	2.842052	4.837167						
2391000	2.848702	4.963569						
2392000	2.930669	4.844846						
2393000	2.803375	4.474457						
2394000	2.632779	4.987297						
2395000	2.647082	4.832864						
2396000	2.577846	4.938877						
2397000	2.475689	5.269989						
2398000	2.452181	4.957798						
2399000	2.505425	4.987688						

2400000	2.470635	5.028405						
2401000	2.509539	4.691116						
2402000	2.526976	4.697226						
2403000	2.532593	5.012582						
2404000	2.568412	4.740076						
2405000	2.524878	5.103229						
2406000	2.597762	5.104395						
2407000	2.600593	5.082745						
2408000	2.46996	5.027957						
2409000	2.524397	5.050762						
2410000	2.549159	5.168361						
2411000	2.785964	4.930372						
2412000	2.58131	4.862144						
2413000	2.62484	4.912723						
2414000	2.643534	5.076123						
2415000	2.442212	4.674687						
2416000	2.603784	4.737941						
2417000	2.657631	4.681349						
2418000	2.608335	4.670634						
2419000	2.538061	4.693036						
2420000	2.601057	4.860131						
2421000	2.572025	4.831675						
2422000	2.589369	4.930456						
2423000	2.693602	4.914408						
2424000	2.525668	5.05414						
2425000	2.56127	5.322487						
2426000	3.493708	4.773424						
2427000	2.492444	5.099549						
2428000	2.52122	4.770868						
2429000	2.473098	4.797085						
2430000	2.483805	4.962514						
2431000	2.446256	4.878807						



2432000	2.534651	5.028921						
2433000	2.473827	5.085135						
2434000	2.494383	5.122447						
2435000	2.533712	4.864813						
2436000	2.527286	4.551431						
2437000	2.503073	4.886881						
2438000	2.589395	4.902965						
2439000	2.343633	4.789915						
2440000	2.578708	4.994268						
2441000	2.516985	4.717768						
2442000	2.615718	5.057524						
2443000	2.535194	5.034959						
2444000	2.576106	4.986425						
2445000	2.575886	4.919044						
2446000	2.448754	5.067147						
2447000	2.378197	4.883208						
2448000	2.447733	4.984955						
2449000	2.516964	4.910749						
2450000	2.55535	4.918511						
2451000	2.510316	4.990336						
2452000	2.503069	5.131705						
2453000	2.665193	4.858953						
2454000	2.598263	5.030372						
2455000	2.526632	4.747788						
2456000	2.640759	4.937258						
2457000	2.522324	4.905514						
2458000	2.590924	4.773785						
2459000	2.90318	4.748515						
2460000	2.976104	4.954788						
2461000	2.960095	4.922044						
2462000	3.030507	5.066338						
2463000	2.914217	5.085158						

2464000	2.972207	5.013775						
2465000	2.852868	4.914156						
2466000	2.928121	5.004113						
2467000	2.787643	4.832554						
2468000	2.738163	4.951977						
2469000	2.772945	5.114786						
2470000	2.768892	4.756089						
2471000	2.736816	4.939687						
2472000	2.702944	5.115969						
2473000	2.773872	5.001606						
2474000	2.71564	5.107123						
2475000	2.821685	4.924						
2476000	2.712041	5.126313						
2477000	2.854946	4.9402						
2478000	2.871852	4.827388						
2479000	2.821163	4.487638						
2480000	2.851522	4.708744						
2481000	2.862733	4.924408						
2482000	2.708325	4.711346						
2483000	2.807984	5.23745						
2484000	2.289812	4.582613						
2485000	2.820467	4.906646						
2486000	2.804048	4.819398						
2487000	2.849124	4.922141						
2488000	2.850713	4.951882						
2489000	2.729947	4.855566						
2490000	2.822926	4.830447						
2491000	2.601053	4.994795						
2492000	2.597688	4.980759						
2493000	2.736854	4.90705						
2494000	2.841355	4.780689						
2495000	2.689547	5.069993						

2496000	2.737488	4.984802						
2497000	2.779655	5.026339						
2498000	2.720979	4.967589						
2499000	2.908217	5.088772						
2500000	2.734039	4.700046						
2501000	2.963587	4.902269						
2502000	2.846797	4.977785						
2503000	2.788091	4.854072						
2504000	2.71707	4.793301						
2505000	2.943793	4.78452						
2506000	2.795282	4.924432						
2507000	2.821031	4.91347						
2508000	2.759421	5.01886						
2509000	2.613855	5.075529						
2510000	2.612883	4.892242						
2511000	2.706644	4.818037						
2512000	2.729049	4.965216						
2513000	2.679403	4.947805						
2514000	2.733566	4.993545						
2515000	2.697232	5.016219						
2516000	2.731654	4.654564						
2517000	2.682021	4.951038						
2518000	2.724273	4.990934						
2519000	2.751709	4.775256						
2520000	2.69797	4.898341						
2521000	2.759128	5.113499						
2522000	2.812515	5.188013						
2523000	2.698262	4.975669						
2524000	2.569094	5.088898						
2525000	2.754593	4.975268						
2526000	2.728233	5.008261						
2527000	2.698062	5.044929						

2528000	2.687088	5.038271						
2529000	2.755598	5.124656						
2530000	2.717432	4.868398						
2531000	2.820434	4.568596						
2532000	2.765448	4.868984						
2533000	2.810862	4.922086						
2534000	2.810511	4.676473						
2535000	2.848522	4.769897						
2536000	2.739909	5.314179						
2537000	2.570111	5.079825						
2538000	2.641939	4.872377						
2539000	2.595552	4.919008						
2540000	2.772974	4.73127						
2541000	2.807321	4.904887						
2542000	2.705337	5.012382						
2543000	2.712795	5.078505						
2544000	2.70678	4.623497						
2545000	2.817917	4.784554						
2546000	2.722433	4.775984						
2547000	2.778523	4.711803						
2548000	2.74373	4.991736						
2549000	2.792836	4.647109						
2550000	2.852642	4.828004						
2551000	2.64865	4.862306						
2552000	2.615037	5.049845						
2553000	2.738002	4.934358						
2554000	2.705727	4.741244						
2555000	2.66842	5.042527						
2556000	2.626196	5.046623						
2557000	2.723573	4.620155						
2558000	2.634556	4.975861						
2559000	2.535804	4.91083						

2560000	2.6881	5.062993					
2561000	2.779369	4.904457					
2562000	2.540094	4.792139					
2563000	2.48495	5.026613					
2564000	2.811875	4.810605					
2565000	2.670529	4.993981					
2566000	2.749938	4.772783					
2567000	2.723733	4.850677					
2568000	2.754699	4.868352					
2569000	2.79883	4.709845					
2570000	2.688974	4.824612					
2571000	2.739566	4.660305					
2572000	2.690934	4.982601					
2573000	2.741267	5.103271					
2574000	2.658148	5.080125					
2575000	2.556457	4.991982					
2576000	2.654423	4.991157					
2577000	2.711228	5.091959					
2578000	2.791341	5.047836					
2579000	2.721887	4.631973					
2580000	2.718711	4.709918					
2581000	2.669105	4.963913					
2582000	2.734449	4.823884					
2583000	2.735423	4.935519					
2584000	2.698267	4.889344					
2585000	2.502009	4.896729					
2586000	2.542764	5.207253					
2587000	2.706364	4.917131					
2588000	2.656033	5.014133					
2589000	2.673967	5.113177					
2590000	2.76364	4.677512					
2591000	2.858082	5.07453					

2592000	2.562196	4.844489						
2593000	2.622766	4.751692						
2594000	2.630953	4.812962						
2595000	2.573813	4.701825						
2596000	2.659003	4.921738						
2597000	2.664517	4.824986						
2598000	2.649756	4.918279						
2599000	2.653753	4.847305						
2600000	2.653789	4.922906						
2601000	2.60183	4.627947						
2602000	2.55837	4.898547						
2603000	2.661215	4.877129						
2604000	2.421256	4.813996						
2605000	2.730454	4.852927						
2606000	2.661886	4.846702						
2607000	2.662756	4.743598						
2608000	2.586148	5.118631						
2609000	2.535763	5.052369						
2610000	2.678143	4.926095						
2611000	2.652912	5.069694						
2612000	2.724192	4.674342						
2613000	2.699128	4.597717						
2614000	2.729087	4.971711						
2615000	2.758168	4.816629						
2616000	2.745348	4.79944						
2617000	2.65158	6.070193						
2618000	2.712492	4.906309						
2619000	2.687434	4.936982						
2620000	2.681705	4.78932						
2621000	2.713752	4.907413						
2622000	2.669542	4.853693						
2623000	2.762617	4.989162						

2624000	2.748052	5.004141						
2625000	2.610152	4.871839						
2626000	2.645026	4.924809						
2627000	2.660031	4.974371						
2628000	2.594092	5.181275						
2629000	2.636609	5.116986						
2630000	2.831466	4.852186						
2631000	2.561479	4.881889						
2632000	2.677873	4.807121						
2633000	2.630974	4.763481						
2634000	3.087636	5.242431						
2635000	2.897689	5.086856						
2636000	2.982235	4.751172						
2637000	3.030671	4.996173						
2638000	2.992429	4.990997						
2639000	3.220849	4.779831						
2640000	3.10123	4.659376						
2641000	3.220833	4.888972						
2642000	3.188011	5.115921						
2643000	3.088186	4.98181						
2644000	3.163664	4.694881						
2645000	2.94857	4.944643						
2646000	2.936413	4.861256						
2647000	3.004195	5.029023						
2648000	3.119993	4.759716						
2649000	3.00862	4.843039						
2650000	3.109281	4.878988						
2651000	2.95714	4.783564						
2652000	3.198222	4.921949						
2653000	3.159872	5.132554						
2654000	2.845913	4.837318						
2655000	2.943198	4.694244						

2656000	2.710786	5.175217						
2657000	2.870449	4.97182						
2658000	2.699626	4.903569						
2659000	2.924701	4.750858						
2660000	2.830656	4.65335						
2661000	2.868835	4.778622						
2662000	2.891761	4.813387						
2663000	2.901106	4.896294						
2664000	2.916932	4.970722						
2665000	2.798582	4.910867						
2666000	2.87006	4.846065						
2667000	2.904396	4.740928						
2668000	2.844739	4.731438						
2669000	3.029663	4.711826						
2670000	2.766041	5.052911						
2671000	2.876475	5.14856						
2672000	2.937447	5.042122						
2673000	2.859032	4.846772						
2674000	2.951865	4.783894						
2675000	2.856444	4.85432						
2676000	2.82075	4.70633						
2677000	2.854423	4.775203						
2678000	2.866939	4.751079						
2679000	2.871215	5.163898						
2680000	2.879457	4.940304						
2681000	2.900918	4.698347						
2682000	2.807282	5.058676						
2683000	2.798216	4.933456						
2684000	2.722666	4.744792						
2685000	2.691058	4.811968						
2686000	2.742738	5.058745						
2687000	2.804854	5.10187						



2688000	2.815692	4.76523						
2689000	2.802504	4.758014						
2690000	2.840754	4.84628						
2691000	2.743	4.816359						
2692000	2.577673	5.120384						
2693000	2.689552	5.029188						
2694000	2.834764	4.918083						
2695000	2.819502	4.714958						
2696000	2.68506	4.75226						
2697000	2.734429	4.870746						
2698000	2.775465	4.941123						
2699000	2.702904	5.033573						
2700000	2.71364	5.124627						
2701000	2.809222	4.94482						
2702000	2.811048	4.642453						
2703000	2.728798	4.929133						
2704000	2.732613	5.030209						
2705000	2.878132	4.838242						
2706000	2.605945	5.282277						
2707000	2.559496	4.915466						
2708000	2.675425	5.042828						
2709000	2.480203	4.668412						
2710000	2.736192	4.789113						
2711000	2.757579	4.851991						
2712000	2.806005	4.91437						
2713000	2.591829	4.885727						
2714000	2.699781	5.090726						
2715000	2.730294	5.045292						
2716000	2.688203	4.909459						
2717000	2.785026	4.792568						
2718000	2.793891	4.8946						
2719000	2.702805	5.07881						

2720000	2.633356	4.932446						
2721000	2.688187	4.957045						
2722000	2.480975	4.82539						
2723000	2.686962	4.849708						
2724000	2.666989	4.868237						
2725000	2.724219	4.602339						
2726000	2.567365	4.947666						
2727000	2.688735	5.133918						
2728000	2.638353	5.123045						
2729000	2.700488	4.694296						
2730000	2.669209	4.996045						
2731000	2.696601	4.951648						
2732000	2.617513	4.883871						
2733000	2.687211	4.973213						
2734000	2.617695	5.264827						
2735000	2.612651	4.64657						
2736000	2.652063	4.721091						
2737000	2.679918	5.065953						
2738000	2.674367	4.722335						
2739000	2.640629	5.102793						
2740000	2.700407	5.008989						
2741000	2.729585	4.733333						
2742000	2.745191	4.810972						
2743000	2.781692	7.901549						
2744000	2.777359	5.961306						
2745000	2.738215	4.904869						
2746000	2.700635	4.882749						
2747000	2.534964	4.917456						
2748000	2.71292	4.963575						
2749000	2.618831	4.853847						
2750000	2.706533	4.946051						
2751000	2.696916	4.969687						

2752000	2.705334	5.03968						
2753000	2.5504	5.018191						
2754000	2.61375	5.055899						
2755000	2.644046	4.66319						
2756000	2.694343	4.968782						
2757000	2.708569	4.988496						
2758000	2.769563	5.037712						
2759000	2.702072	4.978704						
2760000	2.680571	5.052474						
2761000	2.766921	4.596514						
2762000	2.693592	4.935847						
2763000	2.694359	5.084444						
2764000	2.582377	5.093344						
2765000	2.669685	4.980414						
2766000	2.7046	4.831132						
2767000	2.695407	4.873598						
2768000	2.608139	4.896479						
2769000	2.655457	4.949661						
2770000	2.503336	4.759398						
2771000	2.619831	4.923085						
2772000	2.391929	4.842183						
2773000	2.588027	4.723102						
2774000	2.616748	4.915396						
2775000	2.530587	5.090887						
2776000	2.581786	4.894256						
2777000	2.636517	4.98323						
2778000	2.65637	4.756469						
2779000	2.629055	4.924703						
2780000	2.551809	4.971147						
2781000	2.554453	4.711199						
2782000	2.652907	4.852957						
2783000	2.736627	5.059437						

2784000	2.66784	4.885167						
2785000	2.644961	5.12533						
2786000	2.588799	4.977214						
2787000	2.713968	5.054239						
2788000	2.660925	4.727537						
2789000	2.688323	4.812031						
2790000	2.706056	4.962044						
2791000	2.576627	4.938588						
2792000	2.644557	5.094646						
2793000	2.608627	4.983455						
2794000	2.651654	4.948086						
2795000	2.718546	4.884041						
2796000	2.523809	4.832862						
2797000	2.587942	5.10974						
2798000	2.620812	5.036765						
2799000	2.651857	4.829905						
2800000	2.766714	5.023894						
2801000	2.721804	4.748353						
2802000	2.546412	5.036819						
2803000	2.714196	5.143286						
2804000	2.686439	4.82439						
2805000	2.656657	4.878876						
2806000	2.715647	4.921519						
2807000	2.537058	5.031012						
2808000	2.941754	5.107788						
2809000	2.910066	5.331792						
2810000	2.898718	4.918353						
2811000	3.052904	4.97427						
2812000	3.099932	4.78295						
2813000	2.74252	4.909026						
2814000	2.86243	5.090748						
2815000	2.763405	4.798859						

2816000	2.823319	4.859118						
2817000	2.967041	4.739941						
2818000	2.92086	4.939014						
2819000	2.752663	4.807886						
2820000	2.775271	5.087948						
2821000	2.963285	4.527199						
2822000	2.921509	4.929971						
2823000	2.933799	5.213891						
2824000	2.767101	5.147103						
2825000	2.887072	4.928172						
2826000	2.829028	5.137505						
2827000	2.97242	4.846599						
2828000	2.963541	4.852398						
2829000	2.955471	4.963515						
2830000	2.783196	4.912189						
2831000	2.893066	4.948837						
2832000	2.822431	4.85856						
2833000	2.940631	4.724443						
2834000	2.855213	4.800742						
2835000	2.895366	4.911453						
2836000	2.758807	5.043825						
2837000	2.900555	4.846181						
2838000	2.884671	4.653423						
2839000	2.860563	4.869589						
2840000	2.936344	4.986175						
2841000	3.018172	5.033311						
2842000	2.844568	4.947923						
2843000	2.887189	5.214453						
2844000	2.946125	4.885815						
2845000	2.877144	4.921981						
2846000	2.935409	5.025356						
2847000	2.77999	4.994608						

2848000	2.667604	4.776903						
2849000	2.827129	4.516818						
2850000	2.807628	4.903679						
2851000	2.90579	5.043432						
2852000	2.721028	4.714159						
2853000	2.744069	5.087803						
2854000	2.755649	4.410786						
2855000	2.791142	5.012439						
2856000	2.839863	4.757279						
2857000	2.647365	5.018485						
2858000	2.734314	4.978895						
2859000	2.799754	4.606062						
2860000	2.859405	4.866271						
2861000	2.881107	4.896203						
2862000	2.749581	4.93143						
2863000	2.7826	4.949116						
2864000	2.846691	4.895801						
2865000	2.807557	4.899911						
2866000	2.829063	5.000612						
2867000	2.848189	5.047883						
2868000	2.841718	4.970394						
2869000	2.878946	4.842288						
2870000	2.871954	4.871802						
2871000	2.833022	4.995747						
2872000	2.823239	5.009036						
2873000	2.719392	4.9839						
2874000	2.901374	4.913491						
2875000	2.863521	4.762937						
2876000	2.780438	4.905527						
2877000	2.741471	4.97498						
2878000	2.753775	4.77735						
2879000	2.729757	5.001096						

2880000	2.830129	4.845095						
2881000	2.954663	4.983238						
2882000	2.790639	4.936706						
2883000	2.828466	4.94126						
2884000	2.870169	5.172195						
2885000	2.866296	4.640879						
2886000	2.847734	5.146034						
2887000	2.806079	5.03602						
2888000	2.849906	4.91853						
2889000	2.948802	4.562548						
2890000	2.870987	4.859327						
2891000	2.849341	5.169504						
2892000	2.722536	4.960623						
2893000	2.796825	4.938625						
2894000	2.84009	4.840498						
2895000	2.848667	6.448						
2896000	3.041688	4.484777						
2897000	2.62212	5.167496						
2898000	2.689592	4.785498						
2899000	2.694685	4.820891						
2900000	2.738019	4.945704						
2901000	3.017702	4.939526						
2902000	2.836437	4.832206						
2903000	2.941399	4.84355						
2904000	2.989354	4.750818						
2905000	2.949313	4.844526						
2906000	2.771329	4.856054						
2907000	2.922278	4.947434						
2908000	2.973025	4.618946						
2909000	2.992547	4.721798						
2910000	3.005735	5.015161						
2911000	2.948445	4.999422						

2912000	3.127421	4.79323						
2913000	2.978721	4.973551						
2914000	3.100185	4.876492						
2915000	2.926645	4.800063						
2916000	2.962279	5.075226						
2917000	3.043816	4.867779						
2918000	2.817123	4.955329						
2919000	2.642849	5.185035						
2920000	2.642547	5.119991						
2921000	2.641599	4.927537						
2922000	2.664852	4.646499						
2923000	2.706012	4.794315						
2924000	2.631668	5.001841						
2925000	2.640575	4.822949						
2926000	2.702055	4.913505						
2927000	2.735709	5.002156						
2928000	2.614136	4.912502						
2929000	2.741763	4.763422						
2930000	2.754419	4.858791						
2931000	2.846367	5.029531						
2932000	2.634642	4.859193						
2933000	2.685436	4.966097						
2934000	2.745615	4.876437						
2935000	2.701844	4.827082						
2936000	2.618783	4.69674						
2937000	2.599105	5.290509						
2938000	2.749857	4.828934						
2939000	2.695235	5.1525						
2940000	2.667416	4.941793						
2941000	2.59548	4.995919						
2942000	2.704252	4.947741						
2943000	2.606913	4.9636						



2944000	2.544205	4.939256						
2945000	2.643202	5.25019						
2946000	2.660055	4.872388						
2947000	2.737323	5.059748						
2948000	2.495287	4.954251						
2949000	2.670567	4.863458						
2950000	2.677435	4.786028						
2951000	2.692334	5.044587						
2952000	2.53009	5.08288						
2953000	2.703666	5.203637						
2954000	2.671038	4.879181						
2955000	2.687572	5.070967						
2956000	2.576091	4.943467						
2957000	2.751629	5.313052						
2958000	3.203084	4.62155						
2959000	2.557949	4.802269						
2960000	2.653589	4.829429						
2961000	2.705538	4.954375						
2962000	2.66972	4.834273						
2963000	2.634158	4.760734						
2964000	2.647253	4.875898						
2965000	2.647984	4.959006						
2966000	2.686229	4.898198						
2967000	2.801625	4.731443						
2968000	2.613607	4.881483						
2969000	2.698077	4.909162						
2970000	2.695809	4.880378						
2971000	2.667793	4.870648						
2972000	2.502896	5.016854						
2973000	2.62732	5.080129						
2974000	2.719359	4.917556						
2975000	2.65066	5.044597						

2976000	2.59697	5.017825						
2977000	2.637709	5.032346						
2978000	2.686099	4.804516						
2979000	2.760582	5.034571						
2980000	2.60656	4.983741						
2981000	2.59784	4.781297						
2982000	2.600925	4.953677						
2983000	2.812884	5.012242						
2984000	2.838195	4.998233						
2985000	2.760655	4.639896						
2986000	2.800015	4.918001						
2987000	2.794839	4.684087						
2988000	2.888807	5.092405						
2989000	2.952905	4.876427						
2990000	2.937305	4.935648						
2991000	2.875773	4.83726						
2992000	2.933587	5.03536						
2993000	2.990239	4.867885						
2994000	2.834517	4.979195						
2995000	2.724691	4.900388						
2996000	2.811647	4.988514						
2997000	2.959706	4.870089						
2998000	2.933927	4.95388						
2999000	2.779259	4.966194						
3000000	2.926798	5.000835						
3001000	2.986309	4.930387						
3002000	2.979686	4.606678						
3003000	2.558715	4.913711						
3004000	2.672917	4.78563						
3005000	2.731753	4.776313						
3006000	2.743656	4.920876						
3007000	2.7524	4.893847						

3008000	2.830574	4.674692						
3009000	2.814732	4.713275						
3010000	2.780473	5.096631						
3011000	2.813528	4.945198						
3012000	2.858055	4.749296						
3013000	2.899647	4.837994						
3014000	2.838876	4.921135						
3015000	2.768012	4.744851						
3016000	2.879158	4.945985						
3017000	2.830686	5.129286						
3018000	2.740608	4.98635						
3019000	2.873204	5.086766						
3020000	2.903525	5.070662						
3021000	2.826312	4.936265						
3022000	2.645226	4.888219						
3023000	2.806364	4.515416						
3024000	2.793305	4.849339						
3025000	2.789059	4.929293						
3026000	2.630729	5.248947						
3027000	2.729299	4.916741						
3028000	2.79045	5.050322						
3029000	2.814265	5.046624						
3030000	2.785717	5.093102						
3031000	2.927882	4.885861						
3032000	2.886397	5.200455						
3033000	2.746131	5.032672						
3034000	2.747328	5.152566						
3035000	2.80145	4.670425						
3036000	2.910128	4.84008						
3037000	2.693345	4.908487						
3038000	2.801317	4.789461						
3039000	2.866062	4.913822						

3040000	2.770145	4.825787						
3041000	2.866927	4.977871						
3042000	2.903022	4.835958						
3043000	2.94047	4.854449						
3044000	2.689548	4.762996						
3045000	2.883431	5.00842						
3046000	2.944585	4.917668						
3047000	2.908663	5.009375						
3048000	2.730691	4.986396						
3049000	2.811099	4.701531						
3050000	2.970476	4.805096						
3051000	2.865503	5.061542						
3052000	2.775408	4.847966						
3053000	2.763662	4.765414						
3054000	2.815297	5.048526						
3055000	2.660043	4.930176						
3056000	2.84367	4.72696						
3057000	2.906493	4.685926						
3058000	2.818929	5.067256						
3059000	2.640166	5.129258						
3060000	2.791617	4.692319						
3061000	2.824125	4.988216						
3062000	2.933047	5.220996						
3063000	2.728393	4.981975						
3064000	2.764143	4.879392						
3065000	2.760624	4.820162						
3066000	2.691468	4.768567						
3067000	2.808436	4.850663						
3068000	2.743186	4.895025						
3069000	2.847072	4.953075						
3070000	2.710283	4.992026						
3071000	2.81806	4.785385						

3072000	2.709702	4.870454						
3073000	2.550071	5.201758						
3074000	2.756263	4.805285						
3075000	2.780673	5.034111						
3076000	2.656596	5.108912						
3077000	2.772404	5.131577						
3078000	2.899251	4.808671						
3079000	2.908602	4.787527						
3080000	2.709906	4.87698						
3081000	2.777713	4.599888						
3082000	2.883706	5.031525						
3083000	2.701336	4.979412						
3084000	2.896138	4.750287						
3085000	2.88008	4.696657						
3086000	2.855655	5.108357						
3087000	2.770842	5.10008						
3088000	2.863964	4.835184						
3089000	2.788057	4.71389						
3090000	2.692871	4.841703						
3091000	2.68435	4.61004						
3092000	2.794328	4.935844						
3093000	2.747593	4.992294						
3094000	2.798159	5.03901						
3095000	2.970797	4.872086						
3096000	2.849471	5.049105						
3097000	2.508213	4.853192						
3098000	2.75617	4.823425						
3099000	2.847957	5.068931						
3100000	2.779778	4.740644						
3101000	2.838504	4.718984						
3102000	2.78215	4.794029						
3103000	2.85935	5.060513						

3104000	2.81385	5.0804						
3105000	2.760383	4.855495						
3106000	2.811694	4.935606						
3107000	2.646112	4.989156						
3108000	2.79222	4.523722						
3109000	2.780801	4.990153						
3110000	2.678334	4.895308						
3111000	2.783597	4.54238						
3112000	2.720918	4.829788						
3113000	2.602351	4.946468						
3114000	2.693224	4.854445						
3115000	2.708492	5.00005						
3116000	2.672573	5.188465						
3117000	2.69717	5.140605						
3118000	2.776684	4.83612						
3119000	2.710847	4.715581						
3120000	2.453233	4.965534						
3121000	2.809899	4.645938						
3122000	2.80861	5.066386						
3123000	2.678701	5.089844						
3124000	2.802946	4.707617						
3125000	2.807858	4.868606						
3126000	2.787869	4.960798						
3127000	2.838596	4.742792						
3128000	2.747788	4.904286						
3129000	2.822966	5.042759						
3130000	2.833342	4.979236						
3131000	2.997057	4.702234						
3132000	2.692067	4.837778						
3133000	2.704855	5.171659						
3134000	2.877107	4.843132						
3135000	2.80031	4.755619						

3136000	2.757613	4.562412						
3137000	2.832973	4.856665						
3138000	2.76528	4.783846						
3139000	2.769255	4.712104						
3140000	2.754275	4.738503						
3141000	2.752305	4.755789						
3142000	2.770153	4.939671						
3143000	2.854303	5.07535						
3144000	2.815392	4.801754						
3145000	2.954167	4.98444						
3146000	2.844406	5.120889						
3147000	2.844928	4.85034						
3148000	2.919499	5.019186						
3149000	2.708692	5.164977						
3150000	2.77563	4.873196						
3151000	2.797463	4.968858						
3152000	2.722929	5.233908						
3153000	2.853208	4.747884						
3154000	2.74804	4.96323						
3155000	2.666579	5.047453						
3156000	2.795088	4.86287						
3157000	2.822527	5.084741						
3158000	2.854428	5.007464						
3159000	3.102244	4.868912						
3160000	3.148176	4.84548						
3161000	2.972667	5.03323						
3162000	3.074216	4.875131						
3163000	3.168065	5.168203						
3164000	3.934937	5.528668						
3165000	3.563692	4.638426						
3166000	3.337844	4.82693						
3167000	3.267427	4.909428						

3168000	3.255624	4.863502						
3169000	3.198939	4.904978						
3170000	3.109329	4.940343						
3171000	3.303339	4.888929						
3172000	3.148254	4.731725						
3173000	3.153604	4.842763						
3174000	3.149587	4.909881						
3175000	3.099679	4.923969						
3176000	3.140847	4.803229						
3177000	3.05285	5.02687						
3178000	3.02815	4.613274						
3179000	3.22156	4.796545						
3180000	3.240022	4.889295						
3181000	2.868839	4.981212						
3182000	2.961019	4.924574						
3183000	3.043228	4.865317						
3184000	2.918938	4.793646						
3185000	3.119639	4.73826						
3186000	3.088579	4.92161						
3187000	2.935713	4.982184						
3188000	3.091466	4.773065						
3189000	2.970114	4.79209						
3190000	2.971637	5.017792						
3191000	3.104911	4.753877						
3192000	2.904626	5.114915						
3193000	2.945566	4.910944						
3194000	2.835639	4.770426						
3195000	3.073396	4.956687						
3196000	2.87323	4.745958						
3197000	2.870367	4.991196						
3198000	2.742083	4.83169						
3199000	2.808964	4.713563						



3200000	2.799875	5.012718						
1000	3.607796	4.703707						
2000	4.588832	4.703304						
3000	5.033709	4.872978						
4000	4.895274	4.748136						
5000	5.083272	9.341014						
6000	4.900603	4.777432						
7000	5.174198	4.851371						
8000	5.096244	4.810448						
9000	5.069698	4.870842						
10000	5.016358	4.785499						
11000	5.15865	4.880209						
12000	4.177742	4.799055						
13000	4.231202	4.89726						
14000	4.357077	4.8075						
15000	4.666209	4.885969						
16000	4.382574	5.707965						
17000	4.457159	3.617108						
18000	5.055331	5.410478						
19000	4.496094	4.866925						
20000	5.013196	5.480931						
21000	5.371556	4.538605						
22000	4.456179	3.033625						
23000	3.000651	4.88671						
24000	4.497687	4.828678						
25000	6.014143	5.880107						
26000	4.477975	4.791746						
27000	4.681873	4.896506						
28000	4.636752	4.83141						
29000	4.934372	4.905022						
30000	4.918015	4.844093						
31000	4.574614	4.91482						

32000	4.688798	4.846419						
33000	4.690119	4.911011						
34000	4.658266	4.839093						
35000	4.750071	4.893172						
36000	4.675125	4.84665						
37000	4.639623	4.907574						
38000	4.670909	4.831957						
39000	4.660501	4.91285						
40000	4.449973	4.84069						
41000	3.422045	4.899714						
42000	4.873447	4.84192						
43000	4.76398	4.892424						
44000	4.647776	4.834887						
45000	4.64228	5.002441						
46000	4.725791	4.850971						
47000	4.761746	5.180672						
48000	4.74876	4.852041						
49000	4.811654	4.913446						
50000	4.671648	4.846511						
51000	5.846672	4.259596						
52000	4.75178	4.836655						
53000	4.823923	4.917304						
54000	4.820798	4.85255						
55000	4.828415	4.917595						
56000	4.825203	4.850737						
57000	4.874949	5.292452						
58000	4.37302	4.85337						
59000	4.855294	4.917257						
60000	5.004647	4.851611						
61000	5.66145	4.904886						
62000	4.777104	4.859903						
63000	4.761911	4.914527						

64000	4.636404	4.853475						
65000	4.859229	4.913225						
66000	4.821593	4.843927						
67000	4.903147	6.217903						
68000	3.907852	4.847617						
69000	4.821056	4.91958						
70000	4.221531	4.855136						
71000	4.938374	4.916636						
72000	4.949838	5.278135						
73000	4.851218	4.924396						
74000	3.889517	4.839694						
75000	4.896139	4.914265						
76000	4.903323	4.855396						
77000	4.847228	4.911848						
78000	4.802867	4.852816						
79000	4.799465	4.911356						
80000	4.679111	4.860179						
81000	4.741579	4.915899						
82000	4.965994	3.619755						
83000	4.503872	4.971832						
84000	4.567636	4.855605						
85000	4.655357	4.269711						
86000	4.767391	4.850598						
87000	4.775508	4.911342						
88000	4.730473	4.849575						
89000	4.854566	4.914674						
90000	4.778242	4.983116						
91000	4.884177	4.966085						
92000	4.008339	4.850763						
93000	4.855157	4.915094						
94000	4.858333	4.850691						
95000	4.14358	5.102743						

96000	4.914612	4.84921						
97000	5.020631	4.906788						
98000	4.898154	4.85861						
99000	5.098632	3.839949						
100000	4.972161	4.855526						
101000	4.900811	5.064436						
102000	4.858064	4.857914						
103000	4.906887	4.918376						
104000	4.785587	5.048242						
105000	4.795812	4.921334						
106000	4.792526	4.848979						
107000	4.842763	4.917508						
108000	4.918303	4.859523						
109000	4.959086	4.995688						
110000	4.891431	4.856533						
111000	4.944511	4.915042						
112000	4.87039	4.855217						
113000	5.124081	4.921562						
114000	5.992696	5.38671						
115000	3.970577	4.916835						
116000	4.472864	5.099913						
117000	4.900937	4.913176						
118000	4.863093	4.854854						
119000	4.891535	4.96418						
120000	4.836671	4.324746						
121000	5.014064	4.912075						
122000	4.792036	4.855906						
123000	4.797944	4.918272						
124000	5.430118	5.014152						
125000	4.223989	4.437776						
126000	4.472538	4.858312						
127000	4.534982	4.919163						

128000	4.792311	4.844507						
129000	4.836133	4.993281						
130000	4.786253	4.860917						
131000	4.793107	4.91615						
132000	4.812939	4.339873						
133000	4.966416	4.326584						
134000	4.905069	4.854163						
135000	5.026958	4.919301						
136000	4.729499	4.499836						
137000	4.890038	4.918401						
138000	5.23116	3.823454						
139000	4.106889	4.963836						
140000	4.856065	4.850909						
141000	4.942207	5.053326						
142000	4.919244	4.897633						
143000	5.371138	5.87743						
144000	4.806453	4.855313						
145000	4.862159	4.920573						
146000	4.709724	4.893164						
147000	4.846948	5.191						
148000	4.769353	4.966755						
149000	4.124218	4.924431						
150000	4.837015	4.893858						
151000	4.943777	4.91364						
152000	4.881469	4.854153						
153000	4.485168	5.326441						
154000	5.305409	4.09252						
155000	4.962665	5.053874						
156000	4.941079	4.857651						
157000	5.026273	4.919726						
158000	4.923237	5.052978						
159000	4.932871	5.21813						

160000	5.171622	4.431324						
161000	5.316524	4.902617						
162000	4.855817	4.698027						
163000	4.861395	4.912498						
164000	4.882799	4.859991						
165000	4.795921	4.91903						
166000	4.784422	4.851891						
167000	5.104341	4.916359						
168000	4.620001	4.860273						
169000	4.491241	4.488761						
170000	4.590274	4.853647						
171000	4.732439	4.911802						
172000	4.761862	4.860751						
173000	4.792665	5.364181						
174000	4.425243	4.853005						
175000	5.834585	4.504726						
176000	4.555841	4.853372						
177000	5.034482	4.8905						
178000	4.750782	4.851986						
179000	4.915149	4.913867						
180000	4.992748	4.819711						
181000	4.949908	4.920869						
182000	4.891376	4.855427						
183000	4.949604	4.939559						
184000	4.449271	4.856648						
185000	5.277029	4.253604						
186000	4.340179	4.854631						
187000	4.934235	4.917032						
188000	4.803901	4.919587						
189000	5.768826	4.879395						
190000	4.928701	4.849214						
191000	5.36372	4.861191						

192000	4.820043	4.853577						
193000	4.942668	5.002533						
194000	4.581475	4.851128						
195000	4.495829	4.913794						
196000	4.903701	5.131822						
197000	4.773139	4.890301						
198000	4.917537	4.855842						
199000	4.977734	5.237311						
200000	4.99271	4.502345						
201000	4.960591	5.397068						
202000	5.203464	4.846404						
203000	4.734994	4.905881						
204000	4.378274	4.852937						
205000	4.785451	4.629842						
206000	4.808096	4.85889						
207000	4.111856	4.913349						
208000	4.883681	5.050502						
209000	3.929048	4.145533						
210000	4.716992	4.857324						
211000	4.602652	4.910548						
212000	5.130508	5.572324						
213000	4.047688	4.8201						
214000	4.289998	4.301576						
215000	4.450847	5.197637						
216000	4.459747	5.049882						
217000	4.788258	4.887402						
218000	4.782312	4.849423						
219000	4.885975	4.892019						
220000	4.82811	5.187225						
221000	4.299535	4.23416						
222000	4.854762	4.967498						
223000	4.801513	4.901747						

224000	4.858441	4.99723						
225000	5.690676	4.798189						
226000	4.986435	4.807522						
227000	4.937246	4.896846						
228000	4.91744	4.925626						
229000	4.99027	4.309145						
230000	4.920748	5.339042						
231000	4.01894	5.098489						
232000	4.759808	4.173576						
233000	4.812357	4.931931						
234000	4.820586	4.852178						
235000	5.595977	4.940924						
236000	4.531662	5.037302						
237000	4.767003	4.961341						
238000	4.874208	4.854715						
239000	4.917359	5.418099						
240000	3.985477	4.835956						
241000	4.962372	4.905837						
242000	5.453303	4.014148						
243000	4.881727	4.988909						
244000	4.813917	4.87275						
245000	5.025168	4.901146						
246000	5.617342	4.749842						
247000	4.694375	4.90444						
248000	4.767047	4.660577						
249000	4.817151	4.951751						
250000	4.742288	4.962049						
251000	4.789494	4.90637						
252000	5.028017	3.968895						
253000	4.533926	4.908113						
254000	4.623279	4.954754						
255000	4.48946	4.899234						



256000	5.190207	4.254424						
257000	4.710065	4.889286						
258000	4.416343	4.84579						
259000	4.688333	4.900233						
260000	5.399187	4.694231						
261000	4.829137	4.372554						
262000	4.853889	4.764757						
263000	4.857961	4.936316						
264000	4.885164	5.194999						
265000	4.505903	5.341505						
266000	4.473896	4.801879						
267000	4.887105	4.908763						
268000	5.029852	5.140703						
269000	4.501344	4.897584						
270000	4.913064	4.867159						
271000	5.019955	5.364519						
272000	4.40261	4.804518						
273000	4.739953	4.904728						
274000	4.402404	4.926952						
275000	5.511	4.825262						
276000	4.887581	4.346579						
277000	4.873834	4.805214						
278000	4.835498	4.845241						
279000	4.882048	4.923147						
280000	4.922135	4.148623						
281000	4.402606	4.930697						
282000	4.863651	4.8452						
283000	5.016436	4.891542						
284000	5.252044	3.991987						
285000	4.710546	4.904832						
286000	4.90772	4.843883						
287000	4.570439	5.415089						

288000	4.945698	4.47113						
289000	4.909645	4.542037						
290000	4.728026	4.91909						
291000	4.823826	4.98472						
292000	4.851188	4.625918						
293000	4.750815	5.089423						
294000	4.55183	4.837225						
295000	4.906365	4.861755						
296000	4.699683	4.83804						
297000	4.229131	4.901227						
298000	4.691699	4.089794						
299000	4.348175	4.896185						
300000	4.683761	4.864152						
301000	4.734294	5.356786						
302000	3.948734	4.763688						
303000	4.7374	5.137848						
304000	4.328957	4.513023						
305000	4.563661	5.057376						
306000	4.820041	4.936504						
307000	4.590523	4.964624						
308000	4.740368	4.967585						
309000	4.44888	5.468222						
310000	4.514341	4.792195						
311000	4.794152	4.931101						
312000	4.869485	5.123408						
313000	4.807131	4.484737						
314000	4.624381	4.71274						
315000	4.705289	5.119527						
316000	4.792972	4.270442						
317000	4.747713	4.658549						
318000	4.333574	5.375631						
319000	4.297311	4.6317						

320000	4.649854	4.795309						
321000	4.672704	4.624413						
322000	3.898005	4.800703						
323000	4.820341	4.891388						
324000	4.840698	4.913892						
325000	5.671506	4.973887						
326000	4.50646	4.86988						
327000	4.958528	4.617478						
328000	5.238348	4.113258						
329000	4.794093	5.029828						
330000	4.646668	4.74732						
331000	4.788038	4.469344						
332000	4.479837	5.43601						
333000	4.635981	4.844203						
334000	4.567375	5.119721						
335000	4.667311	4.916685						
336000	4.743054	4.804119						
337000	4.855977	5.173946						
338000	4.576663	4.823585						
339000	4.644859	4.801163						
340000	4.427336	4.897852						
341000	4.405482	4.88056						
342000	4.637531	4.764308						
343000	4.753988	5.246515						
344000	4.789907	5.090074						
345000	4.639888	4.958921						
346000	5.212758	4.919029						
347000	4.630274	4.746219						
348000	4.44619	4.779605						
349000	4.774724	4.958465						
350000	3.786666	4.907365						
351000	4.852337	4.825831						

352000	4.806138	5.110613						
353000	4.659182	4.875951						
354000	5.469881	4.593094						
355000	4.652019	4.857456						
356000	4.590614	3.79223						
357000	4.906243	4.894235						
358000	4.393627	4.874344						
359000	4.658833	4.92176						
360000	4.592247	4.698246						
361000	4.99885	4.937306						
362000	4.422679	4.811976						
363000	4.354381	4.884288						
364000	5.029817	4.76646						
365000	4.986069	4.317839						
366000	4.732186	4.778119						
367000	5.023048	4.807558						
368000	4.803406	4.774818						
369000	4.716597	4.90411						
370000	4.643989	4.781461						
371000	4.837388	4.783323						
372000	4.88329	5.167903						
373000	4.982253	4.824961						
374000	4.71397	5.026655						
375000	4.157879	4.793966						
376000	4.455731	4.799306						
377000	4.725579	4.950613						
378000	4.877181	4.840596						
379000	4.168531	4.844037						
380000	4.372087	4.824561						
381000	5.015588	4.588651						
382000	4.245815	4.710664						
383000	4.349753	4.890126						

384000	4.692662	4.809357						
385000	4.713583	4.357962						
386000	4.550741	5.049478						
387000	4.187933	4.907726						
388000	4.135017	4.685505						
389000	4.68628	4.6913						
390000	4.628131	4.78819						
391000	4.664976	4.959872						
392000	4.45656	4.739524						
393000	4.949638	4.988843						
394000	4.724603	4.891424						
395000	4.221509	4.844244						
396000	4.829091	4.704577						
397000	4.296469	4.21167						
398000	4.699535	4.729442						
399000	4.737258	4.890743						
400000	4.926597	5.31815						
401000	4.370807	4.802386						
402000	4.646872	4.919045						
403000	4.461263	4.884939						
404000	4.544052	3.880643						
405000	4.556515	4.764953						
406000	4.603258	4.974506						
407000	4.144988	4.737518						
408000	4.791675	4.838451						
409000	4.677639	4.288271						
410000	4.833789	4.566749						
411000	4.518446	4.898785						
412000	4.366929	5.212986						
413000	3.946333	4.82232						
414000	4.549291	4.789396						
415000	5.02307	4.718735						

416000	4.315822	4.93966						
417000	4.724283	5.003497						
418000	4.041494	4.900357						
419000	4.026938	4.765409						
420000	4.275537	4.956083						
421000	3.850691	4.82028						
422000	4.585901	4.858223						
423000	4.370566	4.846087						
424000	4.363412	5.399944						
425000	4.129388	4.728053						
426000	4.347491	4.795255						
427000	4.412637	4.9678						
428000	4.242204	4.681928						
429000	4.547517	4.716201						
430000	4.880722	3.976029						
431000	4.278683	4.82352						
432000	4.540027	4.730915						
433000	4.497789	4.684281						
434000	4.736644	4.834093						
435000	5.071204	4.765231						
436000	4.610132	4.718172						
437000	4.526538	4.750934						
438000	4.574559	4.480771						
439000	4.551223	5.139257						
440000	4.555634	4.966437						
441000	4.339727	4.411798						
442000	3.554902	4.703262						
443000	4.449769	4.776954						
444000	4.783834	4.841328						
445000	4.628792	4.695208						
446000	4.463001	5.093431						
447000	4.54695	4.486092						

448000	4.384843	4.622083						
449000	4.549799	4.647856						
450000	4.577008	4.650308						
451000	4.69537	4.757761						
452000	4.517369	4.707273						
453000	3.843771	4.567329						
454000	4.46135	4.74679						
455000	4.821582	4.820689						
456000	4.506572	4.674112						
457000	4.60339	4.543163						
458000	5.089909	4.558255						
459000	4.319637	4.807916						
460000	4.437114	4.503552						
461000	4.477994	4.79478						
462000	4.204524	5.155317						
463000	4.420569	4.919264						
464000	3.906652	4.733647						
465000	4.09247	4.726652						
466000	4.484378	4.755004						
467000	3.704379	4.818234						
468000	4.187995	4.859622						
469000	4.227667	4.72272						
470000	4.398883	4.708098						
471000	4.478183	3.650204						
472000	4.300999	4.657511						
473000	4.52193	5.000279						
474000	4.515076	4.578346						
475000	4.459401	5.00925						
476000	4.327597	4.690728						
477000	4.369852	5.025204						
478000	4.49623	4.793224						
479000	4.49516	4.359591						

480000	4.426577	4.161414						
481000	3.981984	4.71778						
482000	4.603952	3.89358						
483000	4.415915	4.807666						
484000	5.026127	4.030302						
485000	4.202775	4.582679						
486000	4.580372	4.989635						
487000	4.656872	4.563309						
488000	4.189107	4.951626						
489000	4.343997	4.606657						
490000	4.031909	4.684862						
491000	4.093603	4.703384						
492000	4.392158	4.770114						
493000	3.906515	4.676295						
494000	4.464324	4.748679						
495000	4.114618	4.760529						
496000	4.580767	4.60411						
497000	4.185107	4.516258						
498000	4.40456	4.734417						
499000	4.881918	4.251873						
500000	4.187353	4.663392						
501000	4.646016	4.705644						
502000	4.48192	4.287283						
503000	4.592606	4.670014						
504000	4.738002	4.119391						
505000	4.403896	4.686569						
506000	4.348067	4.686603						
507000	4.667578	4.688431						
508000	4.409054	4.571022						
509000	4.632189	4.225535						
510000	4.049499	4.657489						
511000	4.12991	4.75543						



512000	4.165996	4.615139						
513000	4.456309	3.925515						
514000	3.971107	4.556567						
515000	4.360344	4.502766						
516000	4.299374	4.891423						
517000	3.873229	4.888306						
518000	3.345928	4.245279						
519000	3.733493	4.589965						
520000	4.184368	4.667736						
521000	4.552818	4.523039						
522000	4.26789	4.947873						
523000	4.452125	4.435634						
524000	4.235795	4.488079						
525000	4.402937	4.791136						
526000	4.249127	4.742593						
527000	4.544807	4.798093						
528000	4.107491	4.577776						
529000	4.3917	4.638439						
530000	4.42449	5.026424						
531000	4.122737	4.678342						
532000	4.250819	4.105459						
533000	4.20777	4.566086						
534000	3.79378	4.52462						
535000	4.190762	4.67588						
536000	4.328334	4.108911						
537000	3.921055	4.571135						
538000	4.151074	4.939095						
539000	4.279595	4.809878						
540000	4.202203	4.621285						
541000	4.36168	4.153589						
542000	4.09955	4.569658						
543000	4.261597	4.725408						

544000	4.632761	4.750535						
545000	4.240486	4.436391						
546000	4.40975	4.488908						
547000	4.338411	4.161854						
548000	3.808849	4.795732						
549000	4.129402	4.799577						
550000	4.298925	3.805209						
551000	4.025051	4.992681						
552000	4.050966	4.819032						
553000	3.998773	4.764815						
554000	3.953819	4.919813						
555000	3.333613	4.639638						
556000	4.131001	4.594349						
557000	4.475193	4.72767						
558000	4.340568	4.524345						
559000	4.002992	4.513968						
560000	3.96946	4.796605						
561000	3.745827	4.748534						
562000	3.834391	4.900196						
563000	4.248182	5.281567						
564000	4.13974	4.4466						
565000	4.139132	4.588505						
566000	4.652389	4.605825						
567000	4.32662	4.539524						
568000	3.912365	4.593031						
569000	4.021173	4.598539						
570000	4.172556	4.427131						
571000	4.23209	4.766225						
572000	4.460294	4.408557						
573000	4.28509	4.176194						
574000	4.298138	4.682252						
575000	4.049467	4.497718						

576000	4.212963	3.995338						
577000	4.012148	4.499734						
578000	4.083935	4.643146						
579000	4.202529	4.252188						
580000	4.173416	5.260242						
581000	3.803215	4.688764						
582000	4.126774	4.201381						
583000	4.325791	4.49334						
584000	3.10835	4.183155						
585000	3.798089	4.621991						
586000	4.165205	4.626963						
587000	4.515702	4.590008						
588000	4.274577	4.70946						
589000	3.749565	4.581467						
590000	4.073555	4.559793						
591000	4.204888	4.663177						
592000	4.19617	4.800613						
593000	3.439359	4.566741						
594000	4.304719	4.454494						
595000	4.125858	4.37396						
596000	3.439163	4.672815						
597000	3.566034	4.599637						
598000	3.993252	4.661437						
599000	4.60986	4.550915						
600000	4.167559	4.545125						
601000	3.894922	4.278854						
602000	3.874626	4.823622						
603000	4.018046	4.297147						
604000	4.275563	4.291814						
605000	4.081356	4.610158						
606000	4.33974	4.623837						
607000	4.048105	4.274283						

608000	4.080767	4.733208						
609000	3.844865	4.541948						
610000	4.082846	4.625691						
611000	4.428114	3.945099						
612000	4.154389	4.749282						
613000	3.723571	4.588056						
614000	4.073774	3.994477						
615000	4.235174	4.302315						
616000	3.826327	4.659585						
617000	3.369173	4.553564						
618000	4.200241	4.523833						
619000	4.232736	4.448548						
620000	4.081173	4.950841						
621000	3.608959	4.664255						
622000	4.02394	4.786245						
623000	4.128907	4.596111						
624000	4.321147	5.032048						
625000	3.93096	4.127581						
626000	3.612395	4.487385						
627000	3.705565	4.395655						
628000	3.943564	4.047156						
629000	3.821739	4.574707						
630000	4.281073	4.781069						
631000	3.935289	4.65674						
632000	4.400619	3.874441						
633000	4.099782	4.796223						
634000	4.028412	4.556965						
635000	4.035513	4.873759						
636000	4.375331	4.360971						
637000	3.923195	4.5006						
638000	4.060108	4.418417						
639000	3.999413	4.803979						

640000	3.674495	4.521809						
641000	3.842588	4.997485						
642000	3.951895	4.992555						
643000	3.711827	3.698537						
644000	3.792535	4.470501						
645000	4.030788	4.653648						
646000	4.137595	3.774952						
647000	4.354211	4.577336						
648000	3.973661	4.569177						
649000	3.847931	3.914115						
650000	4.061944	4.681221						
651000	3.335011	4.646258						
652000	3.949054	4.471435						
653000	4.172551	4.514117						
654000	4.340982	4.885038						
655000	3.979205	4.650259						
656000	4.000064	4.745081						
657000	4.177044	4.56876						
658000	4.414485	4.450917						
659000	4.053367	4.271896						
660000	4.186332	4.179599						
661000	4.180808	4.852323						
662000	3.868274	4.450478						
663000	4.092588	4.349605						
664000	4.160588	4.600257						
665000	3.46558	5.031673						
666000	3.815017	4.359098						
667000	4.179101	4.586261						
668000	3.381658	4.540132						
669000	4.429956	4.605606						
670000	3.986469	4.662216						
671000	4.023301	4.522489						

672000	4.279208	4.32522						
673000	3.902295	4.694814						
674000	4.132674	4.067689						
675000	4.159712	4.294491						
676000	4.341264	4.497687						
677000	3.939275	4.468156						
678000	4.141907	4.348617						
679000	3.917029	4.877271						
680000	3.958789	4.540022						
681000	3.971232	4.551029						
682000	3.57631	4.881108						
683000	3.771511	4.468884						
684000	3.979909	4.522757						
685000	3.947465	4.197129						
686000	3.887472	4.73827						
687000	3.924052	4.332962						
688000	3.921112	4.660699						
689000	3.863651	4.526075						
690000	4.012193	4.401237						
691000	4.215215	4.357568						
692000	3.736029	4.440014						
693000	4.072508	4.447611						
694000	3.722895	4.490476						
695000	3.872134	4.687452						
696000	3.983089	4.363321						
697000	3.170937	4.405395						
698000	4.168386	4.505894						
699000	3.899859	4.967822						
700000	3.601626	4.524721						
701000	4.129061	4.476689						
702000	3.981885	4.496168						
703000	3.84829	4.668209						

704000	3.9448	4.498581						
705000	4.077358	4.470423						
706000	3.921783	4.580704						
707000	3.497945	4.410851						
708000	4.101644	4.303802						
709000	4.172026	4.704849						
710000	4.110729	4.275773						
711000	4.041255	4.554108						
712000	3.72976	4.192823						
713000	3.979866	4.776591						
714000	3.949708	4.315284						
715000	3.937621	4.545494						
716000	3.961095	4.706838						
717000	3.450495	4.135793						
718000	4.089131	4.450396						
719000	4.329058	4.611924						
720000	4.163127	4.516092						
721000	3.995425	4.406504						
722000	4.032961	4.282244						
723000	3.856749	4.114494						
724000	3.739262	4.632955						
725000	4.038884	4.669343						
726000	3.845132	4.013114						
727000	3.515189	4.580453						
728000	3.537496	4.423924						
729000	3.658934	4.498487						
730000	3.897031	4.315971						
731000	3.782696	4.85698						
732000	3.873683	4.340442						
733000	4.314696	4.389728						
734000	3.67912	4.670784						
735000	3.986507	4.532531						

736000	3.913187	4.560151						
737000	3.885035	4.431417						
738000	3.966544	4.828547						
739000	3.943358	4.623576						
740000	3.783301	4.411293						
741000	3.875376	4.556579						
742000	3.914299	4.527587						
743000	3.82335	4.35844						
744000	4.112092	4.45335						
745000	3.987314	3.974553						
746000	3.186454	4.411684						
747000	3.778329	4.680954						
748000	3.907947	4.560865						
749000	4.101013	4.355033						
750000	3.856685	4.694166						
751000	3.961991	4.529744						
752000	4.178479	4.371442						
753000	4.037847	4.472991						
754000	3.977085	4.763004						
755000	3.966678	4.678633						
756000	4.020656	4.242877						
757000	3.828884	4.646651						
758000	3.951242	4.87925						
759000	3.675275	4.514428						
760000	3.788543	4.807168						
761000	3.992905	4.618572						
762000	3.834692	4.529559						
763000	3.964753	4.572429						
764000	3.613412	4.586686						
765000	3.775064	4.501452						
766000	3.783822	4.163288						
767000	3.813725	4.693382						



768000	4.04533	4.449958						
769000	3.606886	4.617815						
770000	4.11959	4.479039						
771000	4.094693	4.436634						
772000	3.770237	4.316967						
773000	3.480565	4.26305						
774000	4.02806	4.499162						
775000	3.774244	3.893054						
776000	3.922028	4.574842						
777000	3.982785	4.585436						
778000	3.885116	4.443973						
779000	4.038047	4.641324						
780000	4.066186	4.51804						
781000	3.757338	3.927282						
782000	3.966938	4.472425						
783000	4.354437	4.217178						
784000	4.018857	4.315394						
785000	3.880963	4.58073						
786000	4.096678	4.333483						
787000	3.815145	4.312569						
788000	4.0032	4.612203						
789000	3.870889	4.543592						
790000	3.730483	4.686369						
791000	3.853088	4.385531						
792000	3.279396	4.208479						
793000	3.800335	4.186076						
794000	3.875058	3.961555						
795000	3.976757	4.584272						
796000	3.876447	4.341999						
797000	3.617447	4.486743						
798000	4.133125	4.328122						
799000	3.822549	4.054378						

800000	3.840449	4.525485						
801000	4.069745	4.228844						
802000	3.841895	4.366633						
803000	4.081162	4.709795						
804000	4.179204	4.123103						
805000	3.739477	4.748157						
806000	3.905514	4.386986						
807000	4.111573	4.382219						
808000	3.757523	4.523306						
809000	3.745793	4.451824						
810000	3.860431	4.67125						
811000	3.6983	4.317022						
812000	3.609468	4.50339						
813000	4.033661	4.408967						
814000	3.884988	4.401649						
815000	3.739062	4.50886						
816000	3.908348	4.550317						
817000	3.770665	4.461036						
818000	3.81748	4.595376						
819000	3.54209	4.480379						
820000	3.729108	3.834891						
821000	3.787279	4.944425						
822000	3.619942	4.449486						
823000	3.669342	4.494007						
824000	3.966159	4.781458						
825000	3.745716	4.499032						
826000	3.813775	4.739421						
827000	3.918731	4.715491						
828000	3.89501	4.216139						
829000	3.501282	4.569963						
830000	3.916021	4.115234						
831000	3.779804	4.48549						

832000	4.003915	4.29037						
833000	3.92595	4.239154						
834000	3.788279	3.820319						
835000	3.826959	4.987326						
836000	3.31689	4.402366						
837000	6.019607	3.601663						
838000	4.120344	4.36515						
839000	3.984905	4.558055						
840000	4.09481	4.651531						
841000	3.798403	4.507638						
842000	3.907904	4.660518						
843000	4.023403	4.287404						
844000	3.932139	4.463159						
845000	4.160384	4.144578						
846000	4.012219	4.46404						
847000	3.596788	4.627856						
848000	3.574006	4.652199						
849000	3.571935	4.475323						
850000	3.79237	4.473171						
851000	3.657686	4.760244						
852000	3.519044	4.436007						
853000	3.620187	4.434402						
854000	3.752648	4.197677						
855000	3.687828	4.689343						
856000	3.746182	4.345084						
857000	3.968402	4.45012						
858000	3.74214	4.427983						
859000	3.728189	4.490557						
860000	3.480922	4.112576						
861000	3.692654	4.565552						
862000	3.79051	4.692153						
863000	3.904001	4.449196						

864000	3.423932	4.293462						
865000	4.022766	3.910693						
866000	3.851205	4.439056						
867000	4.042374	4.350775						
868000	4.134216	4.361696						
869000	3.801875	4.56875						
870000	3.620193	4.520357						
871000	3.742262	4.35774						
872000	3.649433	4.427852						
873000	3.715481	4.567593						
874000	3.702663	4.426246						
875000	3.866554	4.482012						
876000	3.237831	4.463431						
877000	3.792868	4.518039						
878000	3.695218	4.273905						
879000	3.65538	4.55417						
880000	3.873477	4.397126						
881000	3.858269	4.806992						
882000	3.763244	4.314112						
883000	3.938169	4.611847						
884000	4.02422	4.355208						
885000	3.797343	4.165493						
886000	3.848173	4.53162						
887000	3.659458	4.354439						
888000	3.844266	3.888282						
889000	3.704379	4.623128						
890000	3.743194	4.452207						
891000	3.952425	4.33333						
892000	3.906166	4.364266						
893000	3.795706	4.500523						
894000	3.658417	4.388876						
895000	3.220207	4.498462						

896000	3.573798	4.54007						
897000	3.667415	5.050835						
898000	3.686388	4.429479						
899000	3.519844	4.559659						
900000	3.641475	4.354164						
901000	3.899801	4.361731						
902000	3.710536	4.502098						
903000	3.613314	4.432943						
904000	3.730366	4.570618						
905000	3.738374	3.97609						
906000	3.743255	4.552775						
907000	3.722892	4.660627						
908000	3.888544	4.439526						
909000	3.790042	4.610836						
910000	3.724376	4.650577						
911000	3.644788	4.309696						
912000	4.024706	4.068115						
913000	3.976842	4.385528						
914000	3.9293	4.407942						
915000	4.171601	3.699468						
916000	3.582717	4.231347						
917000	3.856852	4.272711						
918000	3.749542	4.080938						
919000	3.719225	4.259263						
920000	3.832695	4.531172						
921000	3.476724	4.455512						
922000	3.730053	4.638669						
923000	3.848252	4.248339						
924000	3.728434	4.354115						
925000	3.871065	4.502942						
926000	3.843888	4.410409						
927000	3.442148	4.442782						

928000	4.045084	4.51538						
929000	3.807398	4.5396						
930000	3.908984	4.377282						
931000	4.129546	4.455729						
932000	3.927092	4.424726						
933000	3.389892	4.49916						
934000	3.761553	3.808439						
935000	3.754553	4.488444						
936000	3.88182	4.405578						
937000	3.580966	4.819089						
938000	3.602766	4.759387						
939000	3.501946	4.474931						
940000	3.688017	4.597038						
941000	3.732978	4.419824						
942000	3.685405	4.370011						
943000	3.296086	4.727175						
944000	3.695916	4.339397						
945000	3.431374	4.444796						
946000	4.103512	4.418005						
947000	3.835752	4.386162						
948000	3.710256	4.543988						
949000	3.742728	4.368924						
950000	3.830469	4.405942						
951000	3.914829	4.420061						
952000	3.931688	4.627303						
953000	4.099371	4.32635						
954000	3.728904	4.301177						
955000	3.886903	4.334456						
956000	3.94044	4.353654						
957000	3.842812	4.059664						
958000	3.732413	4.808116						
959000	3.580558	4.406549						

960000	3.815837	4.464002						
961000	3.796941	4.544541						
962000	3.668392	4.677497						
963000	3.807357	4.476258						
964000	3.637975	4.368281						
965000	3.833178	4.583139						
966000	3.763341	4.419691						
967000	3.752038	4.541575						
968000	3.82833	4.034277						
969000	3.916656	4.555585						
970000	3.740518	4.606999						
971000	3.272028	4.320326						
972000	3.868454	3.908538						
973000	3.467079	4.43647						
974000	3.570501	4.567786						
975000	3.498161	4.654495						
976000	3.843533	4.39069						
977000	3.508607	4.512034						
978000	3.739106	4.332823						
979000	3.260137	4.386231						
980000	3.703126	4.199603						
981000	3.545729	4.315936						
982000	3.624094	4.417289						
983000	3.334725	4.341341						
984000	3.449229	3.988568						
985000	3.199106	4.411164						
986000	3.411372	4.439634						
987000	3.49126	4.494115						
988000	3.701788	4.372312						
989000	3.594953	4.089112						
990000	3.337798	4.34384						
991000	3.696227	4.349302						

992000	3.729306	4.47653						
993000	3.798315	4.497735						
994000	3.854103	4.477948						
995000	3.627871	4.518966						
996000	3.880378	4.494956						
997000	4.036536	4.386508						
998000	3.85575	4.595813						
999000	3.850788	3.83906						
1000000	3.89744	4.544396						
1001000	3.615846	4.790119						
1002000	3.711933	4.416342						
1003000	3.387967	4.429199						
1004000	3.965176	4.436012						
1005000	3.707524	4.647308						
1006000	3.742894	4.044225						
1007000	3.868169	4.456762						
1008000	3.686024	4.544934						
1009000	3.657524	4.505783						
1010000	3.892065	4.599753						
1011000	3.876988	4.578821						
1012000	3.773897	4.546428						
1013000	3.593143	4.113756						
1014000	3.929609	4.010334						
1015000	3.550103	4.362039						
1016000	3.801545	4.425607						
1017000	4.054216	4.302379						
1018000	3.871298	4.047153						
1019000	3.853392	4.523693						
1020000	3.788557	4.217935						
1021000	3.674836	4.40814						
1022000	3.464958	4.459249						
1023000	3.535973	4.431533						



1024000	3.812556	4.251417						
1025000	3.214933	4.569523						
1026000	3.692791	4.163105						
1027000	3.50528	4.324365						
1028000	3.400186	4.411892						
1029000	3.295605	4.419775						
1030000	3.601264	4.490285						
1031000	3.765366	4.501852						
1032000	3.716133	4.134029						
1033000	3.778466	4.561673						
1034000	3.794633	4.390764						
1035000	3.812346	4.657778						
1036000	3.804324	4.406446						
1037000	3.772556	4.204976						
1038000	3.928655	4.362386						
1039000	3.802752	4.324938						
1040000	3.958526	4.423531						
1041000	3.602676	4.310496						
1042000	3.908621	4.396908						
1043000	4.017857	4.55333						
1044000	3.825487	4.470936						
1045000	3.715523	4.284562						
1046000	3.473259	4.512724						
1047000	3.412413	4.799905						
1048000	3.676332	4.425598						
1049000	3.709146	4.551565						
1050000	3.525357	4.400212						
1051000	3.804452	4.679022						
1052000	3.80429	4.277205						
1053000	3.772825	4.545332						
1054000	3.963528	4.444843						
1055000	3.747071	4.175554						

1056000	3.755219	4.234666						
1057000	3.84423	4.460296						
1058000	4.255871	4.138667						
1059000	3.774646	4.57803						
1060000	3.652284	4.482228						
1061000	3.568156	4.510857						
1062000	3.640195	4.247983						
1063000	3.855758	4.318549						
1064000	3.51349	4.465404						
1065000	3.797176	4.235394						
1066000	3.476299	4.296407						
1067000	3.512127	4.262051						
1068000	3.496061	4.392239						
1069000	3.687315	4.453692						
1070000	3.751881	4.489172						
1071000	3.783713	4.379573						
1072000	3.356296	4.409275						
1073000	3.605558	4.53484						
1074000	3.82759	4.278506						
1075000	3.747945	4.553354						
1076000	3.714312	4.420009						
1077000	3.749439	4.387238						
1078000	3.669388	3.725083						
1079000	3.736566	4.479917						
1080000	3.535018	4.672194						
1081000	3.765546	4.423119						
1082000	3.643919	4.555341						
1083000	3.386778	4.549243						
1084000	3.719506	4.457958						
1085000	3.588453	4.519317						
1086000	3.798873	4.186117						
1087000	3.817904	4.426366						

1088000	3.760069	4.22279						
1089000	3.752004	4.373474						
1090000	3.661323	4.547913						
1091000	3.111364	4.089897						
1092000	3.571364	4.357046						
1093000	3.32558	4.855129						
1094000	3.786134	4.53059						
1095000	3.762606	4.629871						
1096000	3.850157	4.557025						
1097000	3.840803	4.434407						
1098000	3.726398	4.271259						
1099000	3.838318	4.464512						
1100000	3.651829	4.366141						
1101000	3.890358	4.373351						
1102000	3.936495	4.540018						
1103000	3.781016	4.602992						
1104000	3.9498	4.387322						
1105000	3.736742	4.37918						
1106000	3.655311	4.075128						
1107000	3.587188	4.270368						
1108000	3.60323	4.383756						
1109000	3.55738	4.301812						
1110000	3.348982	4.515871						
1111000	3.515608	4.531125						
1112000	3.532738	4.461708						
1113000	3.70633	4.172642						
1114000	3.624593	4.437187						
1115000	3.559014	4.567562						
1116000	3.842248	4.269062						
1117000	3.202606	4.537183						
1118000	3.771804	4.429842						
1119000	3.3913	4.371683						

1120000	3.864787	4.383123						
1121000	3.77922	4.524694						
1122000	3.8012	4.684086						
1123000	3.525077	4.42301						
1124000	3.55105	4.326345						
1125000	3.965345	4.512885						
1126000	3.732234	4.651232						
1127000	3.903301	4.272622						
1128000	3.616662	4.481369						
1129000	3.98731	4.450586						
1130000	3.719669	4.534461						
1131000	3.628818	3.942449						
1132000	3.531774	4.47545						
1133000	3.707244	4.200324						
1134000	3.796443	4.167385						
1135000	3.552506	4.754339						
1136000	3.74069	4.350961						
1137000	3.273269	4.540254						
1138000	3.779937	4.43288						
1139000	3.830002	4.748351						
1140000	3.751338	4.603132						
1141000	3.894145	4.609102						
1142000	3.734809	4.339522						
1143000	3.993625	4.541232						
1144000	3.403365	4.440337						
1145000	3.810802	4.665291						
1146000	3.369229	4.629756						
1147000	3.927237	4.474688						
1148000	3.635922	4.372431						
1149000	3.804659	4.520635						
1150000	3.330411	4.33462						
1151000	3.516499	4.719522						

1152000	3.655223	4.065338						
1153000	3.709235	4.281773						
1154000	3.435721	4.339504						
1155000	3.620367	4.180929						
1156000	3.375752	4.337185						
1157000	3.407238	4.124544						
1158000	3.790669	4.456473						
1159000	3.813498	3.846317						
1160000	3.770289	4.333095						
1161000	3.527088	4.206674						
1162000	3.319733	4.45807						
1163000	3.695323	4.712026						
1164000	3.967016	4.315941						
1165000	3.802313	4.437694						
1166000	3.966631	4.447836						
1167000	3.357132	4.632958						
1168000	3.99933	4.374243						
1169000	3.888898	4.351269						
1170000	4.020366	4.539867						
1171000	3.875868	4.424307						
1172000	3.780132	4.464598						
1173000	3.626746	4.700625						
1174000	3.792452	4.375616						
1175000	3.387979	4.545553						
1176000	3.933519	4.41821						
1177000	3.745543	4.681079						
1178000	3.748296	4.385767						
1179000	3.734111	4.692267						
1180000	3.856295	4.090456						
1181000	3.884944	4.424813						
1182000	4.037159	4.499102						
1183000	3.662477	4.623479						

1184000	3.746676	4.336505						
1185000	3.748536	4.417757						
1186000	3.968647	4.426359						
1187000	3.650659	4.152399						
1188000	3.853205	4.472275						
1189000	3.660941	4.122775						
1190000	4.039094	4.286188						
1191000	3.566328	4.299358						
1192000	3.418836	4.262845						
1193000	3.65191	4.616802						
1194000	3.672778	4.4576						
1195000	3.652888	4.315166						
1196000	3.747227	4.529624						
1197000	3.385514	4.491262						
1198000	3.687442	4.32804						
1199000	3.667945	4.385212						
1200000	3.793698	4.24687						
1201000	3.794021	4.068467						
1202000	3.677935	4.385447						
1203000	3.744579	4.213912						
1204000	3.414852	4.425323						
1205000	3.983435	4.365075						
1206000	3.105451	4.294781						
1207000	3.79163	4.639161						
1208000	3.518616	4.1786						
1209000	3.854274	4.596901						
1210000	3.69724	4.505277						
1211000	3.387277	4.645664						
1212000	3.756084	4.171184						
1213000	3.134053	4.467589						
1214000	3.806964	4.064442						
1215000	3.565762	4.697304						

1216000	3.634131	4.497059						
1217000	3.697452	4.223758						
1218000	3.562878	4.519074						
1219000	3.763061	4.451332						
1220000	3.745088	4.093797						
1221000	3.737405	4.411146						
1222000	3.749669	4.405699						
1223000	3.82769	4.693112						
1224000	3.855391	3.795106						
1225000	3.933158	4.442092						
1226000	3.883492	4.26318						
1227000	3.579706	4.506016						
1228000	3.795708	4.683554						
1229000	3.819061	4.664861						
1230000	3.836829	4.199341						
1231000	3.198635	4.337213						
1232000	3.930756	4.495936						
1233000	3.735786	4.421271						
1234000	3.486907	4.495214						
1235000	3.409463	3.965614						
1236000	3.505606	4.676977						
1237000	3.566899	4.568466						
1238000	3.618115	4.554008						
1239000	3.410212	4.654879						
1240000	3.731154	4.346925						
1241000	3.59342	4.522149						
1242000	3.671886	4.28289						
1243000	3.592411	4.600292						
1244000	3.899999	4.191216						
1245000	3.843405	4.428493						
1246000	3.875433	4.408052						
1247000	3.743834	4.674954						

1248000	3.531396	4.634312						
1249000	3.678741	4.566819						
1250000	3.507651	4.474448						
1251000	3.65865	4.648353						
1252000	3.697273	4.51647						
1253000	3.878703	4.43645						
1254000	3.618455	4.596221						
1255000	3.79962	4.165727						
1256000	3.701006	4.530945						
1257000	3.868894	4.471691						
1258000	3.592031	4.330354						
1259000	4.678728	4.301228						
1260000	4.149169	4.637347						
1261000	4.12897	4.679366						
1262000	4.128533	4.572774						
1263000	4.100304	4.686662						
1264000	3.945797	4.589163						
1265000	3.968407	4.749055						
1266000	4.041638	3.871791						
1267000	4.031928	4.596262						
1268000	3.948575	4.484174						
1269000	3.937727	4.597205						
1270000	3.911988	4.579054						
1271000	3.862276	4.564651						
1272000	3.734493	4.358411						
1273000	3.76334	4.402526						
1274000	3.789407	4.508633						
1275000	3.739201	4.454719						
1276000	3.707335	4.069798						
1277000	3.580319	4.391281						
1278000	3.574486	4.574183						
1279000	3.566484	4.601894						



1280000	3.528538	4.329548						
1281000	3.072431	4.52785						
1282000	3.672477	4.063545						
1283000	3.521185	4.423112						
1284000	3.316234	4.497383						
1285000	3.610887	4.296456						
1286000	3.74307	4.102164						
1287000	3.505065	4.418022						
1288000	3.677673	4.375048						
1289000	3.718075	4.507242						
1290000	3.856604	4.357047						
1291000	3.491812	4.60983						
1292000	3.550353	4.387473						
1293000	3.059	4.443682						
1294000	3.604685	4.462423						
1295000	3.759903	3.997445						
1296000	3.770354	4.576275						
1297000	3.861464	4.477841						
1298000	3.728913	4.306714						
1299000	3.825107	4.320623						
1300000	3.286011	4.536026						
1301000	3.555025	4.259236						
1302000	3.521115	4.538383						
1303000	3.581972	4.503793						
1304000	3.657849	3.824664						
1305000	3.67648	4.533911						
1306000	3.447526	4.689136						
1307000	3.742043	4.261256						
1308000	3.867336	4.306626						
1309000	3.508394	4.549735						
1310000	3.56302	4.423343						
1311000	3.615574	4.502495						

1312000	3.558194	4.639291						
1313000	3.706893	3.731989						
1314000	3.876503	4.467346						
1315000	3.690807	4.198055						
1316000	3.67639	4.287395						
1317000	3.43398	4.54432						
1318000	3.669865	4.397593						
1319000	3.640485	4.72974						
1320000	3.088031	4.038758						
1321000	3.494077	4.523501						
1322000	3.625728	4.600835						
1323000	3.436813	4.515775						
1324000	3.343415	4.219734						
1325000	3.519199	4.47679						
1326000	3.35281	4.291564						
1327000	3.533113	4.04042						
1328000	3.703481	4.385246						
1329000	3.433915	4.44699						
1330000	3.756514	4.38049						
1331000	3.873409	4.420794						
1332000	3.360731	4.083129						
1333000	3.599206	4.070166						
1334000	3.622842	4.600013						
1335000	3.578508	4.402686						
1336000	3.840594	4.41832						
1337000	3.76804	4.544379						
1338000	3.891478	4.385536						
1339000	3.734168	4.684097						
1340000	3.689601	4.48918						
1341000	3.629391	4.443268						
1342000	3.705219	4.561066						
1343000	3.369782	4.462882						

1344000	3.685058	4.228556						
1345000	3.851645	4.271916						
1346000	3.559103	4.344552						
1347000	3.675935	4.435394						
1348000	3.687158	4.648186						
1349000	3.59234	4.735896						
1350000	3.766465	4.376768						
1351000	3.418455	4.543241						
1352000	3.868093	4.400449						
1353000	3.665663	4.591938						
1354000	3.46504	4.550639						
1355000	3.695712	4.103877						
1356000	3.709351	4.474715						
1357000	3.63053	4.455911						
1358000	3.810137	4.392439						
1359000	3.854142	4.494277						
1360000	3.843916	4.122833						
1361000	3.771888	4.477893						
1362000	3.523794	3.943044						
1363000	3.489062	4.292691						
1364000	3.722755	4.479128						
1365000	3.506811	4.129189						
1366000	3.221879	4.490005						
1367000	3.427181	4.620264						
1368000	3.521034	4.237798						
1369000	3.670434	4.458762						
1370000	3.670489	4.382886						
1371000	3.560784	4.527759						
1372000	3.205483	4.496215						
1373000	3.698727	4.560915						
1374000	3.66655	4.428188						
1375000	3.679233	4.252014						

1376000	3.762075	4.488764						
1377000	3.648474	4.623962						
1378000	3.585942	4.380287						
1379000	3.670115	4.450968						
1380000	3.656411	4.355292						
1381000	3.648905	4.563269						
1382000	3.80565	4.615084						
1383000	3.733245	4.502886						
1384000	3.909002	4.353371						
1385000	3.689042	4.493925						
1386000	3.736536	4.399399						
1387000	3.401871	4.537798						
1388000	3.190109	4.394786						
1389000	3.363608	4.554967						
1390000	3.751655	4.512704						
1391000	3.797776	4.519405						
1392000	3.659825	4.307344						
1393000	3.592955	4.417199						
1394000	3.487887	4.610404						
1395000	3.76487	4.435555						
1396000	3.924708	4.21185						
1397000	3.831472	3.937507						
1398000	3.823048	4.416585						
1399000	3.77489	4.368545						
1400000	3.750343	4.466146						
1401000	3.732305	4.280882						
1402000	3.752974	4.423418						
1403000	3.913938	4.504526						
1404000	3.681002	4.612326						
1405000	3.553761	4.457483						
1406000	3.297026	4.108488						
1407000	3.509397	4.437796						

1408000	3.621095	4.426583						
1409000	3.571098	4.238941						
1410000	3.558378	4.627483						
1411000	3.582794	4.08437						
1412000	3.565709	4.232984						
1413000	3.553978	4.372319						
1414000	3.695446	4.570952						
1415000	3.604312	4.514304						
1416000	3.724297	4.066087						
1417000	3.765743	4.178592						
1418000	3.806255	4.361738						
1419000	3.789332	4.504979						
1420000	3.704902	4.433654						
1421000	3.796276	4.197554						
1422000	3.797817	4.216884						
1423000	3.494388	4.45287						
1424000	3.872197	4.609012						
1425000	3.730154	4.324815						
1426000	3.93124	4.497454						
1427000	3.728444	4.658314						
1428000	3.624717	4.547442						
1429000	3.355303	4.615099						
1430000	3.555702	4.457609						
1431000	3.523725	4.464241						
1432000	3.802498	4.535056						
1433000	3.677503	4.534077						
1434000	3.805851	4.095541						
1435000	3.729348	4.557322						
1436000	3.67693	4.305779						
1437000	3.475633	4.707012						
1438000	3.620843	4.385761						
1439000	3.680423	4.678462						

1440000	3.637831	4.192689						
1441000	3.373358	4.414135						
1442000	3.466983	4.565842						
1443000	3.61379	4.473711						
1444000	3.541805	4.505055						
1445000	3.57241	4.554706						
1446000	3.644202	4.719741						
1447000	3.013788	4.492445						
1448000	3.530701	4.177383						
1449000	3.244631	4.643916						
1450000	3.30286	4.26514						
1451000	3.466525	4.576249						
1452000	3.621388	4.416246						
1453000	3.642786	4.465099						
1454000	3.6	4.422955						
1455000	3.439407	4.126695						
1456000	3.665591	4.472013						
1457000	3.541161	4.368239						
1458000	3.786875	4.489988						
1459000	3.576496	4.296512						
1460000	6.470848	4.55658						
1461000	4.019774	4.817013						
1462000	3.906596	4.723175						
1463000	3.76511	4.779188						
1464000	3.89238	4.437415						
1465000	4.118476	4.492881						
1466000	4.037095	4.630611						
1467000	3.827911	4.547678						
1468000	3.375194	4.413055						
1469000	3.98535	4.191498						
1470000	3.893045	4.473525						
1471000	3.720841	4.506006						

1472000	3.834604	4.555068						
1473000	3.830991	4.563323						
1474000	3.832068	4.497714						
1475000	3.457583	3.841863						
1476000	3.177815	4.43418						
1477000	3.16677	4.206772						
1478000	3.548451	4.584709						
1479000	3.365993	4.528552						
1480000	3.827077	4.378306						
1481000	3.729032	4.510535						
1482000	3.907046	4.361062						
1483000	3.866425	4.694107						
1484000	3.893	4.578745						
1485000	3.93189	4.332723						
1486000	3.213639	4.693151						
1487000	3.502531	4.491281						
1488000	3.072192	4.215286						
1489000	3.680076	4.292395						
1490000	2.975394	4.240231						
1491000	3.051367	4.040118						
1492000	3.344684	4.517218						
1493000	3.146795	4.072101						
1494000	3.765551	3.679917						
1495000	3.287574	4.761216						
1496000	3.273119	4.326373						
1497000	3.688961	4.744892						
1498000	3.663033	4.229889						
1499000	3.905836	4.162722						
1500000	3.519678	4.6744						
1501000	3.295102	4.837586						
1502000	3.630925	4.144349						
1503000	3.340689	4.558694						

1504000	3.48942	4.719594						
1505000	3.755755	4.590249						
1506000	3.753606	4.254678						
1507000	3.708897	3.983995						
1508000	4.007256	4.433998						
1509000	3.825217	4.66836						
1510000	3.873879	4.60063						
1511000	3.666803	4.466434						
1512000	3.828242	4.076722						
1513000	3.305191	4.724434						
1514000	2.915824	4.570033						
1515000	3.639975	4.251692						
1516000	3.500705	4.524142						
1517000	3.606237	3.855805						
1518000	3.647518	4.471481						
1519000	3.521225	4.4759						
1520000	3.723736	4.254755						
1521000	3.68175	4.28003						
1522000	3.649769	4.469647						
1523000	3.771524	4.597224						
1524000	3.698245	4.422954						
1525000	3.805423	4.496205						
1526000	3.69327	4.725607						
1527000	3.779805	4.480515						
1528000	3.817572	4.437662						
1529000	3.685144	4.748991						
1530000	3.77533	4.09188						
1531000	3.690404	4.29441						
1532000	3.679593	4.288643						
1533000	3.219893	4.420372						
1534000	3.410458	4.140483						
1535000	3.550182	4.530749						



1536000	3.308302	4.484736						
1537000	3.102648	4.30542						
1538000	3.50934	4.554685						
1539000	3.155075	4.441814						
1540000	3.453801	3.955684						
1541000	3.475312	4.787318						
1542000	3.362651	4.347008						
1543000	3.699258	4.247647						
1544000	3.629253	4.21385						
1545000	3.66279	4.468953						
1546000	3.809199	4.681735						
1547000	3.313613	4.439744						
1548000	3.736701	4.37504						
1549000	3.441413	4.222583						
1550000	3.689164	4.579406						
1551000	3.869919	4.293738						
1552000	3.79403	4.690126						
1553000	3.721441	4.591939						
1554000	3.60391	4.60328						
1555000	3.690297	4.508056						
1556000	3.584625	4.130627						
1557000	3.826662	4.409531						
1558000	3.726022	4.493277						
1559000	3.593705	4.858381						
1560000	3.380524	4.374025						
1561000	3.373831	4.6208						
1562000	3.517809	4.487544						
1563000	3.764035	4.260853						
1564000	3.78727	4.632273						
1565000	3.635009	4.560513						
1566000	3.729618	4.512167						
1567000	3.787992	4.580911						

1568000	3.665234	4.312243						
1569000	3.851724	4.464894						
1570000	3.797717	4.392542						
1571000	3.78224	4.496885						
1572000	3.857717	4.321583						
1573000	3.433269	4.69515						
1574000	3.702964	4.572485						
1575000	3.675971	7.006397						
1576000	3.346814	4.526443						
1577000	3.738162	4.866217						
1578000	3.796213	4.508111						
1579000	3.852797	4.612522						
1580000	3.713561	4.414523						
1581000	3.623002	4.548346						
1582000	3.50664	4.450875						
1583000	3.644323	4.579788						
1584000	3.651525	4.484536						
1585000	3.602234	4.502521						
1586000	3.517077	4.457348						
1587000	3.716132	4.493863						
1588000	3.581848	4.220305						
1589000	3.725187	4.457743						
1590000	3.572193	4.153976						
1591000	3.508884	4.688812						
1592000	3.256384	4.565285						
1593000	3.637056	4.096136						
1594000	3.505647	3.94399						
1595000	3.65581	4.48599						
1596000	3.729308	4.497995						
1597000	3.819303	4.629168						
1598000	3.63835	4.511637						
1599000	3.396265	4.508479						

1600000	3.746938	4.596671						
1601000	3.58103	4.870378						
1602000	3.385412	4.343913						
1603000	3.733759	4.625492						
1604000	3.687739	4.407829						
1605000	3.822051	4.441985						
1606000	3.622632	4.656074						
1607000	3.459068	4.382888						
1608000	3.694571	4.467118						
1609000	3.754631	4.448702						
1610000	3.454901	4.413871						
1611000	3.319761	4.578556						
1612000	3.665748	4.145665						
1613000	3.508382	4.239895						
1614000	3.683026	4.462708						
1615000	3.818706	4.461944						
1616000	3.822307	4.569532						
1617000	3.59378	4.430461						
1618000	3.358712	4.287396						
1619000	3.582518	4.4773						
1620000	3.490229	4.66939						
1621000	3.525993	4.326348						
1622000	3.598952	4.47527						
1623000	3.741389	4.261809						
1624000	3.209878	4.416244						
1625000	3.268019	4.394204						
1626000	3.611126	4.423412						
1627000	3.479429	4.560422						
1628000	3.712435	4.478001						
1629000	3.709909	4.587487						
1630000	3.495333	4.564504						
1631000	3.822172	4.426895						

1632000	3.436374	4.714528						
1633000	3.312046	4.679692						
1634000	3.603908	4.5626						
1635000	3.707661	4.183314						
1636000	3.49127	4.343515						
1637000	3.531497	4.523072						
1638000	3.779402	4.45556						
1639000	3.560923	4.780527						
1640000	3.683425	4.571854						
1641000	3.57759	4.5224						
1642000	3.397012	4.473864						
1643000	3.528368	4.559759						
1644000	3.65917	4.493286						
1645000	3.179801	4.373583						
1646000	3.636855	4.270454						
1647000	3.591166	4.61127						
1648000	3.613773	4.344227						
1649000	3.780007	4.573087						
1650000	3.698893	4.463906						
1651000	3.604504	4.38478						
1652000	3.749342	4.498352						
1653000	3.718262	4.507979						
1654000	3.410288	4.51603						
1655000	3.820561	4.375647						
1656000	3.540309	4.434872						
1657000	3.465201	4.543488						
1658000	3.747827	4.503298						
1659000	3.807483	4.494013						
1660000	3.632877	4.226252						
1661000	3.674469	4.425459						
1662000	3.368362	4.401709						
1663000	3.498511	4.170718						

1664000	3.028469	4.499385						
1665000	3.552026	4.54819						
1666000	3.827732	4.477847						
1667000	3.42336	4.387768						
1668000	3.719511	4.554986						
1669000	3.649176	4.240479						
1670000	3.581695	4.225935						
1671000	3.467479	4.461757						
1672000	3.651601	4.375948						
1673000	3.753662	4.401393						
1674000	3.591685	4.667664						
1675000	3.731936	4.395852						
1676000	3.740635	4.565135						
1677000	3.530142	4.590066						
1678000	3.340152	4.383008						
1679000	3.658376	4.442541						
1680000	3.459874	4.32374						
1681000	3.700455	4.653778						
1682000	3.80384	4.345911						
1683000	3.757933	4.34872						
1684000	3.706287	4.622674						
1685000	3.40467	4.518048						
1686000	3.568899	4.336393						
1687000	3.58208	4.442175						
1688000	3.734405	4.535829						
1689000	3.757616	4.539744						
1690000	3.637106	3.823855						
1691000	3.325782	4.471762						
1692000	3.671472	4.529542						
1693000	3.794267	4.402102						
1694000	3.626588	4.578446						
1695000	3.700158	4.673429						

1696000	3.689449	4.560207						
1697000	3.819897	3.97879						
1698000	3.499754	4.567762						
1699000	3.702707	4.494553						
1700000	3.81467	4.254562						
1701000	3.440813	4.249267						
1702000	3.566824	4.559637						
1703000	3.416009	4.426632						
1704000	3.535987	4.227322						
1705000	3.303296	4.43107						
1706000	3.537644	4.477359						
1707000	3.51913	4.522417						
1708000	3.59453	3.893298						
1709000	3.376802	4.095258						
1710000	3.564581	4.532943						
1711000	3.71908	4.452298						
1712000	3.427861	4.109835						
1713000	3.472797	4.37029						
1714000	3.634994	4.525926						
1715000	3.615618	4.592773						
1716000	3.703869	4.607203						
1717000	3.395362	4.456231						
1718000	3.32008	4.475055						
1719000	3.645786	4.432707						
1720000	3.708687	4.445811						
1721000	3.534136	4.227791						
1722000	3.812116	4.055222						
1723000	3.760855	4.483954						
1724000	3.818066	4.571001						
1725000	3.449443	4.317702						
1726000	3.90457	4.505174						
1727000	3.578725	3.91226						

1728000	3.843345	4.552069						
1729000	3.57713	4.590811						
1730000	3.717989	4.527317						
1731000	3.737782	4.129093						
1732000	3.770729	4.459924						
1733000	3.729563	4.484132						
1734000	3.690784	4.284574						
1735000	3.675443	4.566036						
1736000	3.802807	4.4437						
1737000	3.563092	4.562162						
1738000	3.565973	4.477554						
1739000	3.720671	4.681457						
1740000	3.58499	4.565692						
1741000	3.633404	4.512545						
1742000	3.589749	4.159565						
1743000	3.878322	4.624496						
1744000	3.750764	4.55465						
1745000	3.475517	4.516824						
1746000	3.640007	4.420832						
1747000	3.405524	4.571585						
1748000	3.590254	4.099002						
1749000	3.179141	4.57895						
1750000	3.423365	4.516328						
1751000	3.452458	4.169996						
1752000	3.51883	5.829967						
1753000	4.355175	4.471699						
1754000	4.063234	4.248242						
1755000	3.990513	4.729693						
1756000	3.851879	4.477634						
1757000	3.972701	4.574442						
1758000	3.900123	4.590036						
1759000	3.806864	4.673666						

1760000	3.765546	4.513213						
1761000	3.776797	4.515144						
1762000	3.726549	4.419084						
1763000	3.41552	4.458597						
1764000	3.708028	4.298722						
1765000	3.396032	4.801513						
1766000	3.532524	4.293095						
1767000	3.774862	4.368953						
1768000	3.688488	4.302546						
1769000	3.622297	4.502644						
1770000	3.907983	4.274482						
1771000	3.388629	3.883009						
1772000	3.503744	4.618113						
1773000	3.677417	4.453254						
1774000	3.944194	4.423968						
1775000	3.668502	4.455978						
1776000	3.578255	4.188245						
1777000	3.536663	4.46658						
1778000	3.340969	4.459578						
1779000	3.647987	4.458103						
1780000	3.702818	4.663629						
1781000	3.700624	4.640798						
1782000	3.337769	4.281078						
1783000	3.664367	4.457047						
1784000	3.752479	4.05186						
1785000	3.984105	4.330448						
1786000	3.786948	4.514447						
1787000	3.652588	4.291596						
1788000	3.521443	4.115761						
1789000	3.60139	4.451223						
1790000	3.539505	4.592077						
1791000	3.187509	4.636428						



1792000	3.254898	4.431059						
1793000	3.540783	4.578168						
1794000	3.412116	4.282075						
1795000	3.27842	4.585127						
1796000	3.716572	4.43173						
1797000	3.676691	4.40658						
1798000	3.56099	4.617107						
1799000	3.682675	4.260831						
1800000	3.479254	4.606105						
1801000	3.37439	4.404924						
1802000	3.723064	4.215725						
1803000	3.585223	4.552419						
1804000	3.589053	4.029739						
1805000	3.723664	4.471458						
1806000	3.732425	4.275628						
1807000	3.674175	4.621024						
1808000	3.734668	4.591499						
1809000	3.407717	4.204207						
1810000	3.383203	4.573588						
1811000	3.697456	4.430869						
1812000	3.578783	4.48204						
1813000	3.617275	4.642663						
1814000	3.637683	4.452929						
1815000	3.480263	4.425123						
1816000	3.498903	4.467151						
1817000	3.457772	4.517781						
1818000	3.401503	4.578026						
1819000	3.559024	4.543337						
1820000	3.711686	3.965303						
1821000	3.714874	4.590335						
1822000	3.714274	4.618089						
1823000	3.687241	4.503777						

1824000	3.678615	4.343291					
1825000	3.775248	4.670059					
1826000	3.688593	4.584958					
1827000	3.55884	4.655041					
1828000	3.816074	4.409064					
1829000	3.646111	4.453498					
1830000	3.597591	4.258196					
1831000	3.564728	4.493215					
1832000	3.667038	4.345566					
1833000	3.369831	4.597725					
1834000	3.492285	4.468798					
1835000	3.456286	4.457962					
1836000	3.294462	4.210402					
1837000	3.410009	4.251939					
1838000	3.510786	4.056831					
1839000	3.576177	4.663541					
1840000	3.652315	4.447017					
1841000	3.590327	4.524755					
1842000	3.706187	4.527639					
1843000	2.989691	4.22894					
1844000	3.620685	4.61501					
1845000	3.589664	4.378979					
1846000	3.402666	4.370126					
1847000	3.469342	4.437015					
1848000	3.439812	4.584802					
1849000	3.570132	4.17107					
1850000	3.743501	4.430904					
1851000	3.744973	4.531526					
1852000	3.531368	4.526125					
1853000	3.779188	4.566831					
1854000	3.634373	4.232678					
1855000	3.47562	4.217133					

1856000	3.582907	4.469946						
1857000	3.318223	4.542356						
1858000	3.621762	4.511126						
1859000	3.631631	4.421377						
1860000	3.536652	4.591339						
1861000	3.655917	4.818521						
1862000	3.672419	4.414146						
1863000	3.665214	4.583745						
1864000	3.634245	4.424797						
1865000	3.702601	4.430882						
1866000	3.611096	4.320446						
1867000	3.422205	4.506997						
1868000	3.788382	4.437839						
1869000	3.800368	4.352086						
1870000	3.429002	4.645052						
1871000	3.747912	4.544323						
1872000	3.712225	4.638834						
1873000	3.410038	4.572744						
1874000	3.65161	4.243718						
1875000	3.483741	4.454731						
1876000	3.433073	4.381449						
1877000	3.562274	4.385833						
1878000	3.369499	4.250196						
1879000	3.255791	4.716733						
1880000	3.545997	4.156941						
1881000	3.152156	4.549064						
1882000	3.524084	4.522471						
1883000	3.655312	4.297905						
1884000	3.70528	4.510169						
1885000	3.566353	4.714492						
1886000	3.471191	4.448478						
1887000	3.742763	4.384942						

1888000	3.674585	4.507197						
1889000	3.633948	4.60664						
1890000	3.70064	4.681942						
1891000	3.664834	4.484732						
1892000	3.59761	4.166013						
1893000	3.776084	4.444326						
1894000	3.81307	4.671758						
1895000	3.699146	4.452162						
1896000	3.719948	4.466836						
1897000	3.819558	4.553957						
1898000	3.617173	4.51099						
1899000	3.112312	4.500346						
1900000	3.577614	4.644604						
1901000	3.586229	4.578748						
1902000	3.612336	4.711558						
1903000	3.694433	4.460702						
1904000	3.703946	4.202735						
1905000	3.607643	4.620719						
1906000	3.674402	4.338107						
1907000	3.396634	4.360875						
1908000	3.613676	4.420449						
1909000	3.600866	4.539569						
1910000	3.722168	4.697729						
1911000	3.737529	4.543855						
1912000	3.757756	4.482456						
1913000	3.80001	4.605686						
1914000	3.66372	4.54178						
1915000	3.610458	4.648212						
1916000	3.642929	4.536963						
1917000	3.644242	4.228117						
1918000	3.262751	4.41735						
1919000	3.523766	4.470407						

1920000	3.364275	4.399477						
1921000	3.434863	4.584671						
1922000	3.50346	4.584345						
1923000	3.581227	4.385129						
1924000	3.366986	4.534759						
1925000	3.646319	4.346639						
1926000	3.43891	4.032754						
1927000	3.42272	4.316688						
1928000	3.500585	4.173579						
1929000	3.328849	4.229467						
1930000	3.520226	4.155549						
1931000	3.611407	4.453393						
1932000	3.769228	4.555107						
1933000	3.675388	4.510492						
1934000	3.617652	4.57047						
1935000	3.526666	4.036757						
1936000	3.728264	4.488215						
1937000	3.570213	4.403736						
1938000	3.738236	4.352234						
1939000	3.756328	4.41651						
1940000	3.588252	4.595675						
1941000	3.59176	4.511327						
1942000	3.601556	4.550484						
1943000	3.574391	4.15023						
1944000	3.743618	4.499448						
1945000	3.403701	4.533509						
1946000	3.628091	4.465635						
1947000	3.635771	4.577754						
1948000	3.482613	4.513894						
1949000	3.620748	4.157762						
1950000	3.786985	4.48186						
1951000	3.680241	4.654911						

1952000	3.589599	4.50065						
1953000	3.804838	4.809983						
1954000	3.622858	4.555982						
1955000	3.796335	4.328905						
1956000	3.673432	4.51625						
1957000	3.699861	4.748042						
1958000	3.529976	4.536671						
1959000	3.568813	4.525139						
1960000	3.546887	4.323671						
1961000	3.442587	4.168347						
1962000	3.452935	4.576958						
1963000	3.458511	4.626278						
1964000	3.407813	4.715947						
1965000	3.516037	4.542318						
1966000	3.399153	4.219854						
1967000	3.319288	4.188775						
1968000	3.532404	4.495149						
1969000	3.523161	4.585805						
1970000	3.579012	4.219416						
1971000	3.503933	4.067658						
1972000	3.532099	4.461603						
1973000	3.608867	4.447405						
1974000	3.744655	4.374837						
1975000	3.512721	4.612831						
1976000	3.636855	4.600887						
1977000	3.408577	4.613131						
1978000	3.7096	4.497761						
1979000	3.654	4.095427						
1980000	3.602118	4.640141						
1981000	3.689325	4.47155						
1982000	3.721501	4.421385						
1983000	3.448247	4.571108						

1984000	3.769405	4.370504						
1985000	3.700905	4.48836						
1986000	3.60738	4.564059						
1987000	3.696043	4.537919						
1988000	3.557219	4.558019						
1989000	3.625458	4.415509						
1990000	3.878852	4.608348						
1991000	3.718505	4.408284						
1992000	3.739518	4.396276						
1993000	3.771484	4.807821						
1994000	3.659363	4.513654						
1995000	3.735641	4.588165						
1996000	3.383612	4.469186						
1997000	3.843738	4.532866						
1998000	3.819955	4.445501						
1999000	3.502642	4.13694						
2000000	3.780734	4.37721						
2001000	3.546938	4.402778						
2002000	3.501583	4.176414						
2003000	3.115556	4.423904						
2004000	3.465681	4.524013						
2005000	3.428341	4.621484						
2006000	3.476288	4.258985						
2007000	3.513183	4.648512						
2008000	3.541069	4.401615						
2009000	3.605616	4.425451						
2010000	3.208258	4.534141						
2011000	3.466234	4.603488						
2012000	3.68636	4.555316						
2013000	3.629887	4.216972						
2014000	3.736096	4.581321						
2015000	3.478411	4.622272						

2016000	3.67416	4.565065						
2017000	3.412669	4.591349						
2018000	3.755652	4.589439						
2019000	3.730751	4.448639						
2020000	3.607	4.173307						
2021000	3.633636	4.410624						
2022000	3.581862	4.561255						
2023000	3.619742	4.555572						
2024000	3.611873	4.4612						
2025000	3.61501	4.545806						
2026000	3.749816	4.481467						
2027000	3.621222	4.484143						
2028000	3.47889	4.324165						
2029000	3.703264	4.692196						
2030000	3.683247	4.449178						
2031000	3.673877	4.483893						
2032000	3.61488	4.531485						
2033000	3.590294	4.63915						
2034000	3.724873	4.436605						
2035000	3.546674	4.194783						
2036000	3.632131	4.473036						
2037000	3.552202	4.398766						
2038000	3.546608	4.50934						
2039000	3.365493	4.553198						
2040000	3.61126	4.467039						
2041000	3.732402	4.186275						
2042000	3.796268	4.452459						
2043000	3.477423	4.556113						
2044000	3.675518	4.522446						
2045000	3.442098	4.533527						
2046000	3.510439	4.369784						
2047000	3.256426	4.751441						



2048000	3.518735	4.561198						
2049000	3.582865	4.375385						
2050000	3.602949	4.472628						
2051000	3.368186	4.233846						
2052000	3.266308	4.543006						
2053000	3.553631	4.63251						
2054000	3.516485	4.431832						
2055000	3.453943	4.602406						
2056000	3.70391	4.463798						
2057000	3.703472	4.505008						
2058000	3.760553	4.671774						
2059000	3.522111	4.539712						
2060000	3.759805	4.600726						
2061000	3.556197	4.691582						
2062000	3.629562	4.389534						
2063000	3.242701	4.214371						
2064000	3.645481	4.246112						
2065000	3.814816	4.485676						
2066000	3.752574	4.438749						
2067000	3.584857	4.515206						
2068000	3.655077	4.731279						
2069000	3.615279	4.522051						
2070000	3.469336	4.697171						
2071000	3.448822	4.534137						
2072000	3.776848	4.616331						
2073000	3.570069	4.208219						
2074000	3.56738	4.316497						
2075000	3.550583	4.431125						
2076000	3.732075	4.568337						
2077000	3.706284	4.641408						
2078000	3.642991	4.542411						
2079000	3.568788	4.419719						

2080000	3.367266	4.654905						
2081000	3.552469	4.322863						
2082000	3.569212	4.378454						
2083000	3.619329	4.567616						
2084000	3.822528	4.615014						
2085000	3.979532	4.673992						
2086000	3.970582	4.524385						
2087000	3.716559	4.503469						
2088000	3.647604	4.560374						
2089000	3.732392	4.575417						
2090000	3.506851	4.338855						
2091000	3.279528	4.499921						
2092000	3.506787	4.616634						
2093000	3.618281	4.435959						
2094000	3.543009	4.403601						
2095000	3.516716	4.474351						
2096000	3.428501	4.283031						
2097000	3.488191	4.558536						
2098000	3.597684	4.538997						
2099000	3.660216	4.611253						
2100000	3.694719	4.478388						
2101000	3.379929	4.445059						
2102000	3.798957	4.49522						
2103000	3.755187	4.331392						
2104000	3.622371	4.337218						
2105000	3.573895	4.336016						
2106000	3.594248	4.094697						
2107000	3.722539	4.818883						
2108000	3.236315	4.537858						
2109000	3.762436	4.669738						
2110000	3.63172	4.418767						
2111000	3.179463	4.284258						

2112000	3.715768	4.461742						
2113000	3.610634	4.628457						
2114000	3.562138	4.419721						
2115000	3.583557	4.613171						
2116000	3.655542	4.3265						
2117000	3.47945	4.348487						
2118000	3.487513	4.557078						
2119000	3.682325	4.535166						
2120000	3.803736	4.659423						
2121000	3.416326	4.532455						
2122000	3.388121	4.630195						
2123000	3.672999	4.299923						
2124000	3.653551	4.292545						
2125000	3.833334	4.383534						
2126000	3.783086	4.543716						
2127000	3.705395	4.291383						
2128000	3.848798	4.56569						
2129000	3.41179	4.361625						
2130000	3.639873	4.540588						
2131000	2.868576	5.058037						
2132000	2.660734	5.087677						
2133000	2.666509	5.043867						
2134000	2.654473	4.945347						
2135000	2.61488	5.01199						
2136000	2.805331	5.008191						
2137000	2.856407	4.951579						
2138000	2.934423	4.650308						
2139000	2.76224	4.899035						
2140000	2.773326	4.61976						
2141000	2.756606	5.100048						
2142000	2.786353	5.16143						
2143000	2.747344	5.106539						

2144000	2.743716	4.972267						
2145000	2.846411	4.854399						
2146000	2.698347	4.743828						
2147000	2.695971	4.840735						
2148000	2.845539	5.253683						
2149000	2.770921	4.665823						
2150000	2.737752	5.043048						
2151000	2.797039	4.845995						
2152000	2.793422	4.871715						
2153000	2.772189	4.761857						
2154000	2.684497	4.685634						
2155000	2.766712	4.859935						
2156000	2.811277	5.083518						
2157000	2.525665	4.950667						
2158000	2.793067	4.492647						
2159000	2.752789	4.623453						
2160000	2.708769	4.80348						
2161000	2.723076	4.935185						
2162000	2.923902	4.815449						
2163000	2.746935	4.69512						
2164000	2.730141	4.88564						
2165000	2.811922	4.864913						
2166000	2.683484	4.842079						
2167000	2.566885	4.661674						
2168000	2.59134	4.989475						
2169000	2.608706	5.198989						
2170000	2.690944	4.983867						
2171000	2.52363	4.775318						
2172000	2.631197	4.85864						
2173000	2.428178	4.73658						
2174000	2.424308	4.874789						
2175000	2.513394	4.930982						

2176000	4.020488	4.037741						
2177000	2.471844	4.785691						
2178000	2.538216	4.894765						
2179000	2.571319	4.777255						
2180000	2.559126	4.903682						
2181000	2.627634	4.766634						
2182000	2.554077	4.892504						
2183000	2.565338	4.863989						
2184000	2.620028	4.823003						
2185000	2.704048	5.024707						
2186000	2.645033	4.888384						
2187000	2.772385	4.796598						
2188000	2.669854	4.892674						
2189000	2.617632	4.589839						
2190000	2.625213	4.737854						
2191000	2.736871	5.091994						
2192000	2.573956	4.852133						
2193000	2.619921	4.953558						
2194000	2.514288	5.037648						
2195000	2.584209	5.064041						
2196000	2.566713	4.658229						
2197000	2.461039	4.766502						
2198000	2.594283	4.955491						
2199000	2.625964	5.090514						
2200000	2.641761	4.883285						
2201000	2.720118	4.839264						
2202000	2.640824	4.826652						
2203000	2.547362	4.628724						
2204000	2.622061	4.97089						
2205000	2.58935	4.582914						
2206000	2.552487	4.974292						
2207000	2.751493	4.94125						

2208000	2.651884	5.025147						
2209000	2.667749	4.826679						
2210000	2.588363	5.049504						
2211000	2.569769	5.11255						
2212000	2.546625	4.827766						
2213000	2.418416	5.227753						
2214000	2.403052	4.916743						
2215000	2.462401	5.062751						
2216000	2.646076	5.097406						
2217000	2.632752	4.720487						
2218000	2.55897	4.883245						
2219000	2.599136	4.886227						
2220000	2.665211	4.900052						
2221000	2.625858	4.977319						
2222000	2.440763	4.500215						
2223000	2.596903	5.035021						
2224000	2.539686	5.253393						
2225000	2.694723	4.992298						
2226000	2.574368	4.798201						
2227000	2.665182	4.962474						
2228000	2.582544	4.934544						
2229000	2.625066	4.772309						
2230000	2.572622	4.843642						
2231000	2.431054	4.960566						
2232000	2.500361	4.947673						
2233000	2.511413	4.779245						
2234000	2.659841	4.985174						
2235000	2.727674	4.86349						
2236000	2.661596	5.103893						
2237000	2.569392	4.877831						
2238000	2.588732	4.801656						
2239000	2.618343	4.88158						

2240000	2.553837	4.811826						
2241000	2.564357	4.823097						
2242000	2.625923	4.832326						
2243000	2.533593	4.865144						
2244000	2.545126	4.779335						
2245000	2.614742	4.943735						
2246000	2.601515	5.235681						
2247000	2.501004	4.86816						
2248000	3.982305	4.757858						
2249000	2.595839	4.336541						
2250000	2.441606	5.806145						
2251000	2.481495	4.827624						
2252000	2.595589	4.940847						
2253000	2.498424	4.762558						
2254000	2.530869	4.89438						
2255000	2.471979	4.956616						
2256000	2.462176	4.844388						
2257000	2.454917	4.949221						
2258000	2.381449	4.858396						
2259000	2.390503	5.33909						
2260000	2.325035	5.008418						
2261000	2.421489	4.758477						
2262000	2.580291	5.009069						
2263000	2.648116	4.873953						
2264000	2.649156	4.872578						
2265000	2.560919	4.94233						
2266000	2.598132	4.831037						
2267000	2.587255	4.967854						
2268000	2.574374	4.956415						
2269000	2.633772	5.028796						
2270000	2.562304	4.888769						
2271000	2.643191	4.94286						

2272000	2.658802	5.011281						
2273000	2.667012	4.754586						
2274000	2.596809	4.890818						
2275000	2.50105	4.548242						
2276000	2.457914	4.711535						
2277000	2.5352	4.623117						
2278000	2.498807	4.970453						
2279000	2.652091	5.468892						
2280000	2.493043	4.939981						
2281000	2.529525	5.13674						
2282000	2.617484	5.084758						
2283000	2.509368	5.13423						
2284000	2.989015	5.09002						
2285000	2.948768	4.972323						
2286000	2.962317	4.933894						
2287000	2.926377	4.961482						
2288000	2.873359	4.972502						
2289000	2.951642	4.926037						
2290000	2.693473	4.722052						
2291000	2.802369	4.938308						
2292000	2.924677	5.027146						
2293000	3.069759	4.896039						
2294000	2.983868	4.821805						
2295000	2.968637	4.863917						
2296000	2.983487	4.954979						
2297000	2.834432	4.72812						
2298000	2.993855	4.849647						
2299000	2.947826	4.879258						
2300000	2.751799	4.929906						
2301000	2.793027	4.947469						
2302000	2.735451	4.862795						
2303000	2.744646	4.634274						



2304000	2.772301	4.898642						
2305000	2.743364	4.544707						
2306000	2.756545	4.978444						
2307000	2.79759	5.20464						
2308000	2.877655	4.913581						
2309000	2.899168	5.34857						
2310000	2.807222	5.127722						
2311000	2.742205	5.038536						
2312000	2.82563	5.065618						
2313000	2.721194	4.786949						
2314000	2.92391	5.081893						
2315000	2.72035	5.107043						
2316000	2.780016	4.828678						
2317000	2.796055	4.903866						
2318000	2.826522	4.830762						
2319000	2.819162	4.837593						
2320000	2.714003	4.859762						
2321000	2.745844	4.933421						
2322000	2.659798	4.723416						
2323000	2.672773	4.8685						
2324000	2.632742	4.948112						
2325000	2.727944	4.795938						
2326000	2.70474	4.939363						
2327000	2.759121	5.112904						
2328000	2.830067	4.908263						
2329000	2.893449	5.13022						
2330000	2.773445	5.068538						
2331000	2.912048	4.967672						
2332000	2.83055	5.058847						
2333000	2.883563	4.882959						
2334000	2.777468	4.823596						
2335000	2.729101	4.912645						

2336000	2.837811	4.99421						
2337000	2.788838	4.77827						
2338000	2.723077	4.938636						
2339000	2.818587	4.846999						
2340000	2.834185	4.935442						
2341000	2.838642	4.748657						
2342000	2.86279	4.847294						
2343000	2.663616	4.956066						
2344000	2.721241	4.938795						
2345000	2.70625	4.819325						
2346000	2.721798	4.890511						
2347000	2.766034	4.831044						
2348000	2.755339	4.906257						
2349000	2.731615	4.936712						
2350000	2.798517	4.825895						
2351000	2.76068	4.482572						
2352000	2.648598	4.766677						
2353000	2.793412	4.881313						
2354000	2.743962	4.682198						
2355000	2.851599	4.697593						
2356000	2.778333	4.854035						
2357000	2.647145	4.641689						
2358000	2.838083	5.008057						
2359000	2.883581	5.067047						
2360000	2.687345	5.14666						
2361000	2.827075	5.181295						
2362000	2.771551	4.995157						
2363000	2.729196	5.090505						
2364000	2.736643	4.943553						
2365000	2.825204	4.940205						
2366000	2.705	5.109856						
2367000	2.744826	5.151395						

2368000	2.64808	4.853033						
2369000	2.743534	5.101971						
2370000	2.7754	5.018572						
2371000	2.752081	5.315447						
2372000	2.720778	5.064051						
2373000	2.731844	4.80785						
2374000	2.786745	5.129956						
2375000	2.809687	5.162064						
2376000	2.61161	4.854618						
2377000	2.972533	5.04609						
2378000	3.00458	4.920261						
2379000	2.858404	5.088693						
2380000	2.994554	5.10834						
2381000	2.838475	4.792243						
2382000	2.914732	4.710922						
2383000	2.896661	5.17566						
2384000	2.85477	5.056874						
2385000	2.918456	5.140696						
2386000	2.902787	5.046433						
2387000	2.550701	4.99087						
2388000	2.815097	4.613459						
2389000	2.84519	4.921715						
2390000	2.967226	4.671914						
2391000	2.749953	4.53802						
2392000	2.885296	4.533154						
2393000	2.822449	4.591599						
2394000	2.505505	4.713063						
2395000	2.649627	4.829208						
2396000	2.607702	4.795692						
2397000	2.661079	4.932363						
2398000	2.606476	4.898924						
2399000	2.704275	4.768109						

2400000	3.167497	4.518068						
2401000	2.447043	4.955885						
2402000	2.61946	4.758236						
2403000	2.591524	4.914781						
2404000	2.548755	4.750059						
2405000	2.570098	4.883242						
2406000	2.623211	4.77787						
2407000	2.654616	4.923219						
2408000	2.642507	4.988256						
2409000	2.625221	4.80649						
2410000	2.606641	4.753033						
2411000	2.655716	4.831968						
2412000	2.567807	4.937565						
2413000	2.638073	4.715772						
2414000	2.583959	4.985793						
2415000	2.506281	4.884095						
2416000	2.507014	4.849381						
2417000	2.460143	4.986144						
2418000	2.459653	4.905635						
2419000	2.553765	5.024391						
2420000	2.48683	4.851196						
2421000	2.591067	5.046734						
2422000	2.559202	4.94999						
2423000	2.590037	4.862778						
2424000	2.46786	4.796343						
2425000	2.588642	5.0212						
2426000	2.660378	4.910692						
2427000	2.486156	5.13053						
2428000	2.547975	4.801218						
2429000	2.504882	4.908079						
2430000	2.409852	4.392715						
2431000	2.458486	4.854543						

2432000	2.545528	4.781813						
2433000	2.503263	4.882017						
2434000	2.548764	4.876814						
2435000	2.574392	4.865888						
2436000	2.582713	4.785913						
2437000	2.539137	4.9473						
2438000	2.648437	4.973799						
2439000	2.46361	4.912647						
2440000	2.538239	5.012998						
2441000	2.497866	4.792622						
2442000	2.503737	4.843301						
2443000	2.467128	4.921409						
2444000	2.346358	5.018891						
2445000	2.544881	5.008539						
2446000	2.468981	4.983252						
2447000	2.537993	5.153319						
2448000	2.542239	5.288181						
2449000	2.521842	4.951411						
2450000	2.52079	5.234621						
2451000	2.581744	5.24346						
2452000	2.501264	4.589271						
2453000	2.518205	4.796453						
2454000	2.613155	4.779105						
2455000	2.563706	4.852371						
2456000	2.583126	4.800304						
2457000	2.590933	4.921309						
2458000	2.66428	4.82576						
2459000	2.962833	4.848303						
2460000	3.042938	4.877999						
2461000	3.046976	5.116716						
2462000	3.023062	5.099785						
2463000	2.978383	4.749211						

2464000	2.83684	5.10691						
2465000	2.901574	4.83944						
2466000	2.870365	4.773614						
2467000	2.773416	5.279282						
2468000	2.874287	5.019353						
2469000	2.925948	4.892297						
2470000	2.66748	4.984745						
2471000	2.752777	5.11934						
2472000	2.729505	5.313289						
2473000	2.656385	5.04475						
2474000	2.693256	4.949274						
2475000	2.72428	5.084069						
2476000	2.724636	5.018765						
2477000	2.876942	4.654139						
2478000	2.747103	4.819061						
2479000	2.707668	5.078333						
2480000	2.736056	4.929599						
2481000	2.794358	4.830206						
2482000	2.775472	4.881896						
2483000	2.877539	4.946053						
2484000	2.845155	4.868119						
2485000	2.901729	4.783524						
2486000	3.078803	4.810195						
2487000	2.62786	4.940544						
2488000	2.806283	4.849615						
2489000	2.636881	4.831406						
2490000	2.596865	4.825054						
2491000	2.737565	5.087509						
2492000	2.675323	4.751304						
2493000	2.777286	4.933636						
2494000	2.76082	4.856971						
2495000	2.749601	5.194255						

2496000	2.727813	4.897641						
2497000	2.828071	4.791818						
2498000	2.873931	4.906051						
2499000	2.775224	4.937765						
2500000	2.762827	4.474753						
2501000	3.9787	4.058452						
2502000	2.833893	4.878825						
2503000	2.874155	4.843267						
2504000	2.8529	4.897682						
2505000	2.836273	4.940774						
2506000	2.752645	4.820586						
2507000	2.759752	4.826184						
2508000	2.800618	4.860718						
2509000	2.715706	4.908032						
2510000	2.776597	4.8009						
2511000	2.851404	4.903248						
2512000	2.728433	4.967784						
2513000	2.951336	4.882044						
2514000	2.786051	5.029409						
2515000	2.823805	4.813073						
2516000	2.635997	4.786499						
2517000	2.602433	4.646205						
2518000	2.739036	4.987637						
2519000	2.761879	4.971301						
2520000	2.738684	4.94512						
2521000	2.782009	4.874443						
2522000	2.836193	5.007277						
2523000	2.735723	5.039373						
2524000	2.771568	4.654553						
2525000	2.746225	4.905089						
2526000	2.828161	4.871023						
2527000	2.872375	4.860496						

2528000	2.835323	4.690444						
2529000	2.828159	4.930206						
2530000	2.902455	4.774889						
2531000	2.780177	4.977831						
2532000	2.736117	4.883244						
2533000	2.659039	4.941987						
2534000	2.68112	4.916065						
2535000	2.708936	5.066138						
2536000	2.661954	5.090212						
2537000	2.78326	5.221659						
2538000	2.72352	5.063833						
2539000	2.695153	4.704212						
2540000	2.763985	5.062226						
2541000	2.828776	4.809362						
2542000	2.745886	4.880444						
2543000	2.819683	4.543229						
2544000	2.840463	5.089844						
2545000	2.77559	4.912634						
2546000	2.697943	4.977721						
2547000	2.554584	4.724664						
2548000	2.703743	5.192648						
2549000	2.697865	4.844215						
2550000	2.778846	4.999922						
2551000	2.773035	4.914156						
2552000	2.775614	4.836608						
2553000	2.761754	5.742514						
2554000	2.239823	4.631138						
2555000	2.748454	4.760862						
2556000	2.662596	4.94682						
2557000	2.66117	4.604683						
2558000	2.638393	4.923109						
2559000	2.679308	4.830609						



2560000	2.625453	4.866316						
2561000	2.662372	5.05886						
2562000	2.724826	5.117799						
2563000	2.618217	4.704446						
2564000	2.649484	5.045001						
2565000	2.55807	4.920472						
2566000	2.591226	5.215126						
2567000	2.69429	5.019777						
2568000	2.856845	4.830033						
2569000	2.716063	4.769891						
2570000	2.683549	4.772508						
2571000	2.778114	4.93298						
2572000	2.796566	4.801948						
2573000	2.858495	4.879437						
2574000	2.782456	4.872424						
2575000	2.61499	4.561381						
2576000	2.668062	5.098156						
2577000	2.603708	5.132421						
2578000	2.644702	5.112301						
2579000	2.649928	4.787262						
2580000	2.780984	4.822725						
2581000	2.670337	4.857916						
2582000	2.746641	4.829129						
2583000	2.804575	4.899444						
2584000	2.61942	4.990162						
2585000	2.800286	4.748119						
2586000	2.641682	4.831881						
2587000	2.499114	4.931545						
2588000	2.64451	5.123823						
2589000	2.750323	4.955466						
2590000	2.754135	5.031607						
2591000	2.73022	4.693505						

2592000	2.63254	4.745891					
2593000	2.700168	4.847328					
2594000	2.788335	4.90569					
2595000	2.723435	4.853174					
2596000	2.430803	4.907254					
2597000	2.541997	4.836274					
2598000	2.613596	4.911583					
2599000	2.642204	5.036425					
2600000	2.637	5.026592					
2601000	2.705956	4.780284					
2602000	2.653617	4.846104					
2603000	2.641653	4.845529					
2604000	2.696627	4.95719					
2605000	2.724595	4.95124					
2606000	2.675643	4.712942					
2607000	2.541662	5.068022					
2608000	2.661432	4.973512					
2609000	2.699335	4.679865					
2610000	2.718177	4.937827					
2611000	2.691315	4.673598					
2612000	2.749068	4.902949					
2613000	2.756578	4.86283					
2614000	2.762683	4.656202					
2615000	2.819356	4.956161					
2616000	2.622194	4.829041					
2617000	2.492445	5.183065					
2618000	2.68924	5.132015					
2619000	2.722402	5.115394					
2620000	2.789111	5.204543					
2621000	2.695675	4.793279					
2622000	2.624392	4.891296					
2623000	2.895681	5.056047					

2624000	2.8039	5.097504						
2625000	2.721851	4.873025						
2626000	2.667696	4.941017						
2627000	2.650646	4.793335						
2628000	2.65993	4.981006						
2629000	2.759975	5.22955						
2630000	2.653291	4.640833						
2631000	2.718423	4.893252						
2632000	2.730114	4.829416						
2633000	2.642398	4.865694						
2634000	3.26613	5.057675						
2635000	2.874542	4.948999						
2636000	3.047491	5.076618						
2637000	3.095261	5.18048						
2638000	2.982648	5.140571						
2639000	3.338786	4.767829						
2640000	3.200934	4.899034						
2641000	3.037981	4.827117						
2642000	3.174275	5.124172						
2643000	3.20992	4.89351						
2644000	3.141038	4.67854						
2645000	2.896027	4.996355						
2646000	2.918869	4.924343						
2647000	2.920627	4.753463						
2648000	3.109271	5.133511						
2649000	3.079969	4.59222						
2650000	3.179659	4.740727						
2651000	3.055203	4.872218						
2652000	3.037178	4.765189						
2653000	3.174732	5.274517						
2654000	2.889068	4.867941						
2655000	3.034487	5.020638						

2656000	2.69175	5.116393						
2657000	2.862681	5.094608						
2658000	3.054535	4.617492						
2659000	2.953475	4.787616						
2660000	2.888171	4.831728						
2661000	3.073067	4.961561						
2662000	3.025452	4.904331						
2663000	2.755396	5.108807						
2664000	2.929318	4.906219						
2665000	2.92066	5.061978						
2666000	2.734171	4.493808						
2667000	2.854376	4.880196						
2668000	2.978782	8.952428						
2669000	2.911019	5.331601						
2670000	2.811525	4.798305						
2671000	2.918096	4.692557						
2672000	2.895488	4.876628						
2673000	2.856176	4.7864						
2674000	2.848374	4.585241						
2675000	2.700108	5.093714						
2676000	2.909839	4.821485						
2677000	2.974634	5.137928						
2678000	2.812137	4.801551						
2679000	2.982417	4.856116						
2680000	2.875296	4.811525						
2681000	2.784242	4.940678						
2682000	2.797713	4.926369						
2683000	2.839065	4.949485						
2684000	2.75684	5.061498						
2685000	2.788682	4.807227						
2686000	2.787623	4.663926						
2687000	2.816699	4.896664						

2688000	2.82796	5.145315						
2689000	2.739825	4.801831						
2690000	2.823846	5.06925						
2691000	2.710846	5.052933						
2692000	2.676198	4.928487						
2693000	2.755856	4.681691						
2694000	2.716936	4.848721						
2695000	2.793018	4.912721						
2696000	2.852538	5.01257						
2697000	2.653594	4.941155						
2698000	2.749296	4.991655						
2699000	2.822095	4.992734						
2700000	2.719476	4.466037						
2701000	2.670242	4.748133						
2702000	3.819633	4.79161						
2703000	2.664685	4.947444						
2704000	2.689156	4.821511						
2705000	2.744857	4.931532						
2706000	2.810719	4.766585						
2707000	2.743369	4.866207						
2708000	2.8109	4.816283						
2709000	2.779436	4.931917						
2710000	2.614798	4.962737						
2711000	2.66437	5.002807						
2712000	2.657428	4.84246						
2713000	2.84351	4.599647						
2714000	2.689303	4.87731						
2715000	2.596349	5.061349						
2716000	2.783119	5.121751						
2717000	2.684278	5.077695						
2718000	2.643233	5.039414						
2719000	2.82567	4.889898						

2720000	2.682126	4.786434						
2721000	2.75367	4.801305						
2722000	2.749459	4.996737						
2723000	2.719844	5.00742						
2724000	2.661692	5.131823						
2725000	2.72393	5.125693						
2726000	2.663889	4.794311						
2727000	2.68618	4.874487						
2728000	2.579615	4.728661						
2729000	2.590983	5.08321						
2730000	2.492018	4.901953						
2731000	2.652974	4.856672						
2732000	2.702554	4.939587						
2733000	2.687705	4.934013						
2734000	2.693139	4.965022						
2735000	2.767871	4.944824						
2736000	2.621705	4.848946						
2737000	2.687695	4.971697						
2738000	2.69388	4.990955						
2739000	2.749385	4.842373						
2740000	2.76156	4.667144						
2741000	2.409625	4.910627						
2742000	2.609556	4.986179						
2743000	2.710376	4.940314						
2744000	2.806262	4.922075						
2745000	2.604219	4.427977						
2746000	2.570676	4.748342						
2747000	2.672095	4.939439						
2748000	2.717218	4.903562						
2749000	2.591166	4.777282						
2750000	2.677309	5.003209						
2751000	2.669615	4.747057						

2752000	2.648996	4.865656						
2753000	2.800365	4.995465						
2754000	2.458058	4.997052						
2755000	2.540998	4.947134						
2756000	2.630187	4.791399						
2757000	2.660893	4.692984						
2758000	2.624873	4.86927						
2759000	2.809626	4.979722						
2760000	2.728997	5.060142						
2761000	2.596743	4.980477						
2762000	2.655097	4.893872						
2763000	2.691602	4.817351						
2764000	2.6421	4.885464						
2765000	2.671662	4.912085						
2766000	2.779921	5.087749						
2767000	2.525121	4.814947						
2768000	2.66059	4.776101						
2769000	2.650677	4.62712						
2770000	2.615752	4.940896						
2771000	2.668178	5.004051						
2772000	2.594602	4.780518						
2773000	2.567958	6.702082						
2774000	2.257548	4.648154						
2775000	2.619825	4.903932						
2776000	2.597915	4.815045						
2777000	2.730402	4.703798						
2778000	2.786477	4.545532						
2779000	2.454978	4.898733						
2780000	2.685473	4.965332						
2781000	2.58533	5.009911						
2782000	2.695181	5.004798						
2783000	2.756951	4.87761						

2784000	2.59146	4.766827						
2785000	2.641553	4.684886						
2786000	2.534429	4.928858						
2787000	2.537375	4.686844						
2788000	2.740431	4.203216						
2789000	2.609406	4.99774						
2790000	2.479654	5.230414						
2791000	2.636936	4.833835						
2792000	2.613185	4.969257						
2793000	2.62485	4.89895						
2794000	2.656699	4.839646						
2795000	2.766446	5.061249						
2796000	2.600947	4.962719						
2797000	2.660873	4.992229						
2798000	2.673994	4.601524						
2799000	2.617772	4.863274						
2800000	2.586204	5.016643						
2801000	5.008502	4.488687						
2802000	2.642534	4.788866						
2803000	2.677048	4.983018						
2804000	2.670207	4.921708						
2805000	2.67904	4.842433						
2806000	2.597987	4.77977						
2807000	2.652225	4.794533						
2808000	3.035041	4.660746						
2809000	2.919528	5.187697						
2810000	3.023507	5.120498						
2811000	3.016023	5.008448						
2812000	2.887918	5.075269						
2813000	3.083272	4.775019						
2814000	3.044908	4.963897						
2815000	3.026348	4.934828						



2816000	3.03053	4.949218						
2817000	2.846833	4.918257						
2818000	3.027401	5.107542						
2819000	2.945313	4.804477						
2820000	2.835814	4.895508						
2821000	2.914213	4.938598						
2822000	2.930412	4.787102						
2823000	2.774833	4.846147						
2824000	2.874913	4.919398						
2825000	2.961284	4.583767						
2826000	2.963839	4.940095						
2827000	2.933693	5.007101						
2828000	3.102542	4.9739						
2829000	2.994053	4.866071						
2830000	2.93528	5.186107						
2831000	2.878677	4.987079						
2832000	2.920743	4.876565						
2833000	2.969771	4.907461						
2834000	2.855229	4.862956						
2835000	2.882072	4.821895						
2836000	2.861657	4.703996						
2837000	2.861316	4.734924						
2838000	2.89532	4.999519						
2839000	2.808824	4.990868						
2840000	2.890153	4.995299						
2841000	2.777977	4.91305						
2842000	2.965257	4.898791						
2843000	3.009538	4.705142						
2844000	2.940264	5.018984						
2845000	2.769668	4.995033						
2846000	2.84941	4.897118						
2847000	2.965414	4.831383						

2848000	2.964873	4.816969						
2849000	2.89002	4.904884						
2850000	2.771493	4.946448						
2851000	2.955053	4.776494						
2852000	2.960519	4.804251						
2853000	2.85495	4.893766						
2854000	2.874614	5.014493						
2855000	2.766042	4.861058						
2856000	2.712341	4.953762						
2857000	2.682519	4.781867						
2858000	2.800341	4.750078						
2859000	2.873225	4.934523						
2860000	2.861111	4.737343						
2861000	2.719149	5.078121						
2862000	2.88681	5.099271						
2863000	3.002127	4.84585						
2864000	4.458303	4.72448						
2865000	2.135471	4.839384						
2866000	2.834282	4.863246						
2867000	2.663245	5.056798						
2868000	2.823418	5.146573						
2869000	2.938694	4.897068						
2870000	2.986904	4.885334						
2871000	3.032673	5.033373						
2872000	2.795731	5.120712						
2873000	2.900238	4.941449						
2874000	2.827595	4.697897						
2875000	2.820397	5.0021						
2876000	2.657169	5.0787						
2877000	2.724968	5.048323						
2878000	2.869864	4.886043						
2879000	2.767315	4.741102						

2880000	2.903319	4.936311						
2881000	2.890333	5.05001						
2882000	2.756831	5.01961						
2883000	2.845567	4.985647						
2884000	3.004153	4.85409						
2885000	2.943089	4.932467						
2886000	2.896956	5.253609						
2887000	2.76691	5.037838						
2888000	2.95461	4.769884						
2889000	2.820686	4.999844						
2890000	2.89074	4.892462						
2891000	2.894177	5.150153						
2892000	2.815678	4.943802						
2893000	2.906489	4.723374						
2894000	2.8385	4.824371						
2895000	2.834417	4.850511						
2896000	2.773859	4.922191						
2897000	2.700412	5.051113						
2898000	2.794972	4.578907						
2899000	2.725027	4.948704						
2900000	2.763051	5.163896						
2901000	2.776448	4.927484						
2902000	2.959784	5.096882						
2903000	2.994296	4.877285						
2904000	2.937959	4.767885						
2905000	2.881256	4.783882						
2906000	2.931336	5.071405						
2907000	3.021681	4.710059						
2908000	2.973481	4.943733						
2909000	2.966953	5.06587						
2910000	2.816228	4.96572						
2911000	2.897266	5.143991						

2912000	2.899583	4.855382						
2913000	3.080889	4.853162						
2914000	2.839175	4.971546						
2915000	2.95387	4.998889						
2916000	3.038998	4.643657						
2917000	3.016893	4.783276						
2918000	2.80088	4.890203						
2919000	2.62928	5.10055						
2920000	2.708161	5.131845						
2921000	2.707823	4.929113						
2922000	2.697331	5.068454						
2923000	2.603748	5.098947						
2924000	2.684206	4.998527						
2925000	2.591089	4.782304						
2926000	2.687405	4.957424						
2927000	2.577211	4.951364						
2928000	2.663934	4.964828						
2929000	2.625959	4.838404						
2930000	2.684879	4.860971						
2931000	2.701557	4.9102						
2932000	2.729484	4.894878						
2933000	2.812105	4.636036						
2934000	2.777192	4.914679						
2935000	2.698551	4.712329						
2936000	2.697269	4.904409						
2937000	2.883253	4.741654						
2938000	2.685527	4.932034						
2939000	2.71628	4.685098						
2940000	2.603046	4.954535						
2941000	2.626293	4.640962						
2942000	2.669507	4.78209						
2943000	2.759037	4.77094						

2944000	2.646492	4.877989						
2945000	2.624252	4.662366						
2946000	2.659904	4.792403						
2947000	2.561896	4.787233						
2948000	2.633578	4.767138						
2949000	2.546539	4.981824						
2950000	2.700367	4.795849						
2951000	2.622403	4.972502						
2952000	2.674773	5.050137						
2953000	2.690103	4.919864						
2954000	2.770314	5.0549						
2955000	2.61933	4.911413						
2956000	2.734364	4.798831						
2957000	2.716904	4.899915						
2958000	2.730559	4.994991						
2959000	2.621344	4.756814						
2960000	2.591319	4.453372						
2961000	2.445326	4.838082						
2962000	2.642793	4.936018						
2963000	2.62428	5.081551						
2964000	2.595814	4.976525						
2965000	2.656722	5.007129						
2966000	2.583367	4.947029						
2967000	2.643455	5.091942						
2968000	2.661399	4.854215						
2969000	2.618466	4.796275						
2970000	2.569271	4.91014						
2971000	2.622697	5.007796						
2972000	2.702835	4.944096						
2973000	2.640327	4.997937						
2974000	2.603489	4.933863						
2975000	2.662033	4.874534						

2976000	2.610881	4.914376						
2977000	2.6126	4.730222						
2978000	2.619012	4.941101						
2979000	2.63626	4.947698						
2980000	2.667419	5.029229						
2981000	2.574779	4.766528						
2982000	2.578504	5.140066						
2983000	2.842758	4.806512						
2984000	2.883469	5.070279						
2985000	2.792971	4.907093						
2986000	2.865949	4.957559						
2987000	2.918251	4.719309						
2988000	2.925829	5.045242						
2989000	2.768471	5.039975						
2990000	2.913047	4.947743						
2991000	2.942669	4.923327						
2992000	3.064341	4.956266						
2993000	2.859642	5.063016						
2994000	2.84323	5.164745						
2995000	2.947056	5.032676						
2996000	2.896328	5.169282						
2997000	2.730165	4.940966						
2998000	2.796714	4.777887						
2999000	2.852479	4.878315						
3000000	3.02946	5.079372						
3001000	2.772719	4.994709						
3002000	2.948347	4.831282						
3003000	2.964318	4.92008						
3004000	2.92967	4.979537						
3005000	2.823554	4.992105						
3006000	2.996784	4.87248						
3007000	2.98663	4.972239						

3008000	3.009961	4.794285						
3009000	2.742562	4.750542						
3010000	2.899464	4.738051						
3011000	2.87702	5.055484						
3012000	2.953861	4.954822						
3013000	2.851759	5.086603						
3014000	2.977284	4.922917						
3015000	2.955772	4.910057						
3016000	2.911594	4.9269						
3017000	2.849283	5.102436						
3018000	2.975997	4.857755						
3019000	3.009439	5.030666						
3020000	2.900817	4.783713						
3021000	2.779287	5.076876						
3022000	2.803587	4.875084						
3023000	2.881573	4.76983						
3024000	2.703684	4.926001						
3025000	2.761551	4.864285						
3026000	2.760003	4.798254						
3027000	2.777896	4.867767						
3028000	2.666478	4.975513						
3029000	2.771562	4.78997						
3030000	2.808179	4.833788						
3031000	2.763242	4.93693						
3032000	2.975017	4.805807						
3033000	2.7862	4.843271						
3034000	2.804204	5.041095						
3035000	2.684106	4.888097						
3036000	2.769908	4.986497						
3037000	2.89328	4.866687						
3038000	2.928135	4.857796						
3039000	2.810293	5.094796						

3040000	2.898016	4.855982						
3041000	2.898527	4.683596						
3042000	2.806436	4.891043						
3043000	2.86705	4.868337						
3044000	2.599885	4.815186						
3045000	2.981603	5.038272						
3046000	2.751323	5.08861						
3047000	2.817869	4.671943						
3048000	2.843252	4.832856						
3049000	2.799037	5.038011						
3050000	2.785369	4.944223						
3051000	2.864046	4.881218						
3052000	2.93972	4.977285						
3053000	2.700253	4.951846						
3054000	2.790395	5.159698						
3055000	2.865799	5.038367						
3056000	2.760522	4.853975						
3057000	2.642352	5.053212						
3058000	2.756206	4.801096						
3059000	2.806461	4.921244						
3060000	2.87818	4.885413						
3061000	2.82316	5.103974						
3062000	2.816315	5.043214						
3063000	2.835412	5.068827						
3064000	2.702025	5.109522						
3065000	2.785615	4.932626						
3066000	2.745717	4.624752						
3067000	2.941552	4.657339						
3068000	2.769449	4.948218						
3069000	2.811494	4.958392						
3070000	2.682453	5.008994						
3071000	2.605747	4.993272						



3072000	2.700892	4.786549						
3073000	2.775061	4.855539						
3074000	2.636404	4.814737						
3075000	2.806049	4.906694						
3076000	2.851299	4.689202						
3077000	2.905495	4.957544						
3078000	2.715827	4.943762						
3079000	2.700005	4.812276						
3080000	2.904024	5.039434						
3081000	2.667098	4.934993						
3082000	2.743855	4.62721						
3083000	2.767497	5.000427						
3084000	2.850679	4.921429						
3085000	2.886223	4.894847						
3086000	2.838127	4.886181						
3087000	2.896383	4.732919						
3088000	2.758775	4.896758						
3089000	2.838605	4.813402						
3090000	2.846818	4.913707						
3091000	2.693368	4.955141						
3092000	2.71397	4.746423						
3093000	2.762573	4.84241						
3094000	2.736139	4.970422						
3095000	2.824943	5.054023						
3096000	2.808842	4.90942						
3097000	2.842715	4.79885						
3098000	2.758743	4.905767						
3099000	2.731135	4.637488						
3100000	2.926385	5.020858						
3101000	2.682891	4.88351						
3102000	2.822816	4.667209						
3103000	2.80401	4.85881						

3104000	2.756436	5.07979						
3105000	2.797083	5.071095						
3106000	2.776353	4.79015						
3107000	2.853513	4.693447						
3108000	2.782227	5.057175						
3109000	2.869042	4.943197						
3110000	2.676935	4.846145						
3111000	2.592468	4.992553						
3112000	2.678567	4.657359						
3113000	2.793324	4.8029						
3114000	2.645315	4.905332						
3115000	2.734654	4.56516						
3116000	2.763497	4.829748						
3117000	2.646502	4.967132						
3118000	2.720018	4.894993						
3119000	2.752228	4.929742						
3120000	2.700025	4.9365						
3121000	2.756018	4.738707						
3122000	2.793965	4.829855						
3123000	2.895039	5.159947						
3124000	2.687856	5.133802						
3125000	2.514559	4.924558						
3126000	2.820991	5.141262						
3127000	2.801817	4.807913						
3128000	2.832771	4.971538						
3129000	2.830058	4.848635						
3130000	2.712504	4.926381						
3131000	2.846972	4.777815						
3132000	2.806042	5.030775						
3133000	2.659871	4.93968						
3134000	2.643258	4.586453						
3135000	2.631027	5.013852						

3136000	2.877863	4.795231						
3137000	2.728328	4.694551						
3138000	2.843734	4.994206						
3139000	2.827447	4.994808						
3140000	2.731288	4.882236						
3141000	2.788161	4.845262						
3142000	2.800121	4.957763						
3143000	2.801031	5.106651						
3144000	2.851192	5.009787						
3145000	2.883555	5.155176						
3146000	2.803687	4.838819						
3147000	2.886077	5.096793						
3148000	2.61543	5.022238						
3149000	2.725599	5.005216						
3150000	2.911725	4.82523						
3151000	2.786371	4.803428						
3152000	2.778332	4.956617						
3153000	2.678629	4.910242						
3154000	2.760073	5.078618						
3155000	2.61238	4.88726						
3156000	2.793085	4.824866						
3157000	2.879931	4.876207						
3158000	3.018756	4.891409						
3159000	2.795335	4.944821						
3160000	3.143257	5.101481						
3161000	3.078638	4.944372						
3162000	3.173815	4.709984						
3163000	3.142456	4.924612						
3164000	3.206679	5.008823						
3165000	3.271436	4.840899						
3166000	3.223826	5.025356						
3167000	3.085987	5.096299						

3168000	3.35812	4.853506						
3169000	3.255286	4.617313						
3170000	3.101182	4.767264						
3171000	3.24477	4.883396						
3172000	3.111646	4.916712						
3173000	3.017833	4.988493						
3174000	3.119734	4.649193						
3175000	3.069221	5.028432						
3176000	3.030118	4.69214						
3177000	3.153457	4.768033						
3178000	3.161159	5.042039						
3179000	2.988676	4.74846						
3180000	3.118478	4.783218						
3181000	2.93607	5.055706						
3182000	2.916165	4.906711						
3183000	3.003619	4.692267						
3184000	2.906096	4.942445						
3185000	2.802661	4.741651						
3186000	2.998664	4.641024						
3187000	3.001114	4.842023						
3188000	2.748174	4.978323						
3189000	2.935401	4.883612						
3190000	2.936549	5.041959						
3191000	2.839935	4.878667						
3192000	3.020033	4.789672						
3193000	2.839857	5.045754						
3194000	2.850205	4.943578						
3195000	2.936657	4.981028						
3196000	2.915032	4.831245						
3197000	2.87021	5.052598						
3198000	2.917663	4.831471						
3199000	2.816448	5.059296						

3200000	2.847819	5.153061						
1000	3.395772	4.663582						
2000	3.972622	4.747014						
3000	4.959889	4.839738						
4000	4.895448	4.725712						
5000	4.895401	4.871539						
6000	4.738127	4.758147						
7000	4.876687	4.85746						
8000	4.895126	4.80912						
9000	5.019378	4.854548						
10000	4.806284	6.298886						
11000	5.179824	4.87432						
12000	4.148117	4.819201						
13000	4.244637	4.888242						
14000	4.322716	4.813281						
15000	4.740648	4.893721						
16000	4.377119	4.834282						
17000	4.440458	4.892976						
18000	4.445054	4.826201						
19000	4.534388	4.894908						
20000	4.550628	4.828459						
21000	4.384746	4.890081						
22000	4.528271	4.819886						
23000	4.541023	4.89272						
24000	4.528464	4.838661						
25000	4.670189	4.903869						
26000	4.412804	4.828918						
27000	4.626443	4.900268						
28000	4.598343	4.840088						
29000	4.844248	4.903213						
30000	4.64377	4.832257						
31000	4.544092	4.907434						

32000	4.65024	4.84947						
33000	4.718073	4.899116						
34000	5.400608	5.330702						
35000	4.94218	4.901128						
36000	4.628441	4.958212						
37000	4.679218	4.911298						
38000	4.622654	4.837263						
39000	4.612957	4.901914						
40000	4.425197	4.838352						
41000	4.428589	4.903122						
42000	4.529416	4.848699						
43000	5.028853	3.38278						
44000	3.148456	4.83692						
45000	4.601483	4.913705						
46000	4.645072	4.837452						
47000	4.712166	4.907197						
48000	4.69625	4.853486						
49000	4.780284	4.916445						
50000	4.72008	4.850353						
51000	4.456882	4.917925						
52000	4.75745	5.1326						
53000	5.462787	5.198127						
54000	4.076776	5.188009						
55000	4.838157	4.913302						
56000	4.796969	4.854137						
57000	4.831392	4.915405						
58000	4.868008	4.852226						
59000	4.832369	4.920177						
60000	4.743204	4.85849						
61000	4.778172	5.006053						
62000	4.720796	4.855865						
63000	4.735382	5.05965						

64000	4.726212	4.846496						
65000	4.836052	4.917876						
66000	4.83826	4.850003						
67000	4.858777	4.917707						
68000	4.818688	4.846753						
69000	4.818474	5.569086						
70000	3.983349	4.849341						
71000	4.618309	4.915642						
72000	4.914636	4.856288						
73000	4.878311	5.124499						
74000	4.752959	4.851169						
75000	4.860748	4.919372						
76000	4.803817	4.862144						
77000	4.694738	4.914736						
78000	4.770265	4.856708						
79000	4.808178	4.915144						
80000	4.715704	4.941212						
81000	4.714069	4.905905						
82000	4.600735	4.847273						
83000	4.479823	4.915083						
84000	4.516279	4.851426						
85000	4.588196	4.914918						
86000	4.718049	5.19022						
87000	4.756212	4.912633						
88000	4.673088	4.857335						
89000	4.498217	5.27673						
90000	4.756604	4.854245						
91000	4.802941	4.914048						
92000	4.989192	4.854141						
93000	4.882842	4.921773						
94000	4.857635	4.843837						
95000	4.889061	4.915963						

96000	4.833363	4.855129						
97000	4.913937	5.046136						
98000	4.891487	4.860496						
99000	4.945128	4.960298						
100000	4.920636	4.855932						
101000	5.780737	4.92037						
102000	4.82823	4.853165						
103000	5.692517	3.398354						
104000	4.79952	5.086149						
105000	4.778808	4.98088						
106000	4.79941	4.855227						
107000	4.810229	4.91589						
108000	4.85872	4.862679						
109000	4.892228	4.947325						
110000	4.839002	4.851484						
111000	5.064658	2.970268						
112000	4.82044	4.852448						
113000	5.443517	4.8988						
114000	4.954198	4.839383						
115000	4.883061	4.917935						
116000	4.873623	4.899745						
117000	4.837889	4.918024						
118000	4.836243	4.8635						
119000	5.101459	4.921767						
120000	4.837261	4.8626						
121000	5.465946	5.468175						
122000	4.773967	4.859314						
123000	4.932931	4.916177						
124000	4.675795	4.855879						
125000	4.571472	4.91893						
126000	4.479438	4.892019						
127000	4.478554	4.335378						



128000	4.629197	4.419547						
129000	4.741471	5.260207						
130000	3.79535	4.430691						
131000	4.805027	4.917413						
132000	4.764496	4.853898						
133000	4.834137	4.919724						
134000	4.835212	5.36732						
135000	4.852705	4.968738						
136000	4.865542	4.858276						
137000	4.888225	4.918613						
138000	4.893383	4.913031						
139000	4.917414	4.923897						
140000	4.886519	4.854185						
141000	4.929986	4.915536						
142000	5.511258	4.512213						
143000	4.208355	4.432337						
144000	4.798881	4.551928						
145000	4.714581	4.922719						
146000	4.822482	4.869007						
147000	4.811312	4.914743						
148000	4.740714	4.905989						
149000	4.872631	4.923685						
150000	4.828111	4.854612						
151000	4.805769	4.919496						
152000	5.64025	4.185698						
153000	4.940171	5.188855						
154000	4.855487	4.850663						
155000	4.938407	4.92162						
156000	4.936058	4.863871						
157000	4.370562	4.918479						
158000	4.890599	4.858902						
159000	5.462928	4.921102						

160000	4.895153	4.853093						
161000	4.88928	4.916512						
162000	4.808771	3.472941						
163000	4.689826	4.917369						
164000	4.767923	4.855353						
165000	4.763165	4.916704						
166000	4.785267	5.014138						
167000	4.70679	5.603053						
168000	4.806833	5.021735						
169000	4.472703	4.913481						
170000	4.571501	4.854778						
171000	4.741279	5.423079						
172000	4.850888	4.858295						
173000	4.784319	4.920564						
174000	4.748464	4.885758						
175000	4.819928	4.919043						
176000	4.805619	4.854621						
177000	5.016602	5.140317						
178000	4.062921	4.858033						
179000	5.058561	4.912067						
180000	5.116522	4.852857						
181000	4.915743	4.953721						
182000	5.526954	4.806914						
183000	5.182293	4.869479						
184000	4.861231	4.89081						
185000	4.963991	4.91671						
186000	4.92239	4.859392						
187000	4.691401	4.918979						
188000	4.811682	5.535326						
189000	4.843317	4.902613						
190000	4.788004	4.857833						
191000	4.751872	4.924793						

192000	4.816788	4.852485						
193000	4.885731	4.92277						
194000	4.898693	5.04051						
195000	3.878383	4.934293						
196000	4.798554	5.128089						
197000	4.865836	4.954921						
198000	4.906224	4.857562						
199000	4.956568	4.484474						
200000	4.933503	5.560721						
201000	5.078796	4.923294						
202000	4.873512	4.858911						
203000	4.905059	4.943055						
204000	5.328643	4.167093						
205000	5.091434	4.999696						
206000	4.779897	4.879415						
207000	4.772278	4.914641						
208000	5.211708	3.690696						
209000	4.633702	4.732786						
210000	4.615841	4.837868						
211000	4.530588	5.202196						
212000	4.517164	4.849925						
213000	4.621535	4.912784						
214000	4.698062	4.851143						
215000	4.776788	5.262268						
216000	4.862643	3.812834						
217000	4.754623	4.916949						
218000	4.818018	4.854689						
219000	3.612847	4.915246						
220000	5.766027	4.756113						
221000	4.774786	4.682796						
222000	4.882246	4.859014						
223000	4.903803	4.908572						

224000	4.897581	4.858211						
225000	5.344469	4.885891						
226000	4.81257	4.843995						
227000	4.981806	5.11865						
228000	4.150412	4.858953						
229000	5.015885	4.630035						
230000	5.574091	4.902278						
231000	4.80721	4.905316						
232000	4.66063	4.843314						
233000	4.751919	4.920235						
234000	4.872667	4.834665						
235000	4.860459	4.91894						
236000	4.847009	4.853822						
237000	4.823436	4.911837						
238000	4.881904	5.121615						
239000	5.271981	4.765478						
240000	4.787381	4.855996						
241000	4.980374	4.914076						
242000	5.279022	4.763613						
243000	4.870906	4.888138						
244000	4.883013	4.78768						
245000	5.026016	4.175982						
246000	4.853849	4.853449						
247000	4.731973	4.046595						
248000	4.758414	4.854878						
249000	5.082228	4.872794						
250000	4.715876	4.851366						
251000	4.77635	5.441529						
252000	4.073393	4.78027						
253000	4.38505	4.900054						
254000	4.492842	4.851295						
255000	4.448387	4.823173						

256000	4.870739	4.82182						
257000	4.690403	5.15496						
258000	4.638106	4.853734						
259000	5.038977	4.8764						
260000	4.734841	5.199435						
261000	4.777933	4.913354						
262000	5.051532	3.935024						
263000	4.705394	5.21902						
264000	4.770573	4.828445						
265000	4.847198	4.921682						
266000	4.70929	4.859215						
267000	4.915936	4.9199						
268000	4.831623	5.010558						
269000	4.579187	4.917982						
270000	4.881065	4.881641						
271000	4.924742	5.159209						
272000	4.702081	5.285414						
273000	4.785697	4.924827						
274000	4.720523	4.854353						
275000	5.366457	4.854939						
276000	5.103787	4.728792						
277000	4.734458	4.910515						
278000	4.859221	4.834556						
279000	4.892282	4.911657						
280000	5.102954	5.022572						
281000	5.091542	4.542094						
282000	4.6895	4.849169						
283000	4.944418	4.907228						
284000	5.213036	4.842926						
285000	4.98745	4.935715						
286000	5.096065	4.843032						
287000	5.237	4.245485						

288000	4.688814	4.85609						
289000	4.866912	4.977974						
290000	4.477148	4.742566						
291000	4.842096	5.112509						
292000	4.713657	4.852798						
293000	4.693842	4.915443						
294000	4.553283	4.845776						
295000	5.181403	4.910606						
296000	4.483494	5.043826						
297000	4.701029	4.890878						
298000	4.934794	4.388175						
299000	4.403922	4.868485						
300000	4.670712	4.846468						
301000	4.738073	5.013706						
302000	4.670375	4.991105						
303000	4.792616	4.903851						
304000	5.01653	4.791067						
305000	4.888859	5.356365						
306000	4.782915	4.886185						
307000	4.723352	4.906743						
308000	4.698358	4.82115						
309000	4.645803	5.064298						
310000	5.310727	4.781153						
311000	4.537435	4.52708						
312000	4.263887	4.635164						
313000	4.745283	4.887846						
314000	4.673793	5.099654						
315000	4.849764	4.914266						
316000	4.572069	4.922262						
317000	4.703919	4.929861						
318000	4.76379	5.143206						
319000	4.498354	4.930929						

320000	4.94569	4.799805						
321000	4.818097	4.132533						
322000	5.071721	5.176669						
323000	3.483833	4.806306						
324000	4.765561	4.842006						
325000	4.900874	5.275196						
326000	5.149798	4.791337						
327000	4.919105	4.896025						
328000	4.803268	5.199497						
329000	5.323427	4.175521						
330000	4.520983	4.930378						
331000	4.314058	4.87279						
332000	4.606271	4.865359						
333000	4.781351	4.893477						
334000	4.738059	4.748216						
335000	4.824444	4.999279						
336000	4.505376	4.803293						
337000	4.653598	4.899466						
338000	4.432011	4.608873						
339000	4.368883	4.968575						
340000	4.167017	4.542407						
341000	4.796402	4.453393						
342000	4.562509	4.833538						
343000	4.154778	4.854986						
344000	5.129361	4.007703						
345000	4.980798	4.71355						
346000	4.472565	4.866566						
347000	4.704729	4.521212						
348000	4.711712	4.850339						
349000	4.735612	4.889415						
350000	4.979533	4.978746						
351000	4.638128	4.896609						

352000	4.825617	5.424556						
353000	4.484167	4.808658						
354000	4.573863	4.820793						
355000	4.810086	4.769571						
356000	4.830769	4.080569						
357000	4.877004	4.387762						
358000	4.614893	4.813593						
359000	4.740986	5.5842						
360000	4.35502	4.17398						
361000	3.851864	5.02131						
362000	4.523085	4.762785						
363000	4.616906	4.829491						
364000	4.935844	4.737155						
365000	4.964178	4.749289						
366000	3.939497	5.23445						
367000	3.605455	4.833589						
368000	5.035652	4.946306						
369000	4.696346	4.872943						
370000	4.79579	5.099646						
371000	4.824794	4.817121						
372000	4.607999	4.803385						
373000	5.255182	4.801931						
374000	4.247971	4.806232						
375000	4.793263	4.330062						
376000	4.695852	5.133363						
377000	4.544293	5.06924						
378000	4.88075	4.730488						
379000	4.678574	5.026353						
380000	3.416592	4.684784						
381000	4.401872	4.855673						
382000	4.048564	4.749276						
383000	4.274582	4.854345						



384000	4.669894	4.500456						
385000	4.507641	4.783						
386000	5.008231	4.726274						
387000	4.455589	4.817364						
388000	4.386676	4.810125						
389000	4.662133	4.840091						
390000	3.585808	4.991666						
391000	4.526075	4.878901						
392000	4.717151	5.442659						
393000	4.14513	4.820102						
394000	4.609576	4.814958						
395000	4.990419	4.753201						
396000	4.676688	4.814742						
397000	4.488925	4.989234						
398000	5.022152	4.906405						
399000	4.353779	4.555133						
400000	4.56565	5.025676						
401000	4.880548	4.256779						
402000	4.70733	4.79687						
403000	4.894303	4.750852						
404000	4.543102	4.669774						
405000	5.320058	4.594652						
406000	4.313198	4.750754						
407000	4.713122	4.833333						
408000	4.666658	5.299643						
409000	4.11415	4.780468						
410000	4.605954	5.024076						
411000	4.660653	4.562504						
412000	4.417305	4.814431						
413000	4.510964	5.319821						
414000	3.711211	4.627163						
415000	3.929344	4.941493						

416000	4.64005	4.749422						
417000	4.77002	4.586787						
418000	4.67531	4.535208						
419000	4.604374	5.270375						
420000	4.359741	4.802083						
421000	4.327661	4.739808						
422000	4.455777	4.785985						
423000	5.259956	4.58094						
424000	4.296186	4.526489						
425000	4.356232	5.095703						
426000	4.256303	4.767563						
427000	4.217104	4.787098						
428000	4.791951	4.718297						
429000	3.811869	4.858969						
430000	4.677679	4.537183						
431000	4.511447	4.788739						
432000	4.585545	4.936426						
433000	3.982586	4.946478						
434000	3.87471	5.332565						
435000	4.314797	4.670812						
436000	4.356214	4.782423						
437000	4.727233	4.947951						
438000	4.323138	4.695845						
439000	4.481099	4.787126						
440000	5.171982	4.259387						
441000	4.251374	4.74379						
442000	4.669318	5.022057						
443000	4.544934	4.785134						
444000	4.703228	4.631493						
445000	4.330725	4.780309						
446000	4.152596	4.510004						
447000	4.377639	4.847608						

448000	4.341309	4.780576						
449000	4.420988	5.17762						
450000	4.358663	4.741817						
451000	4.669312	4.174664						
452000	4.191923	4.776593						
453000	4.556012	4.537443						
454000	4.705753	4.659004						
455000	4.723393	4.699608						
456000	4.644263	4.72525						
457000	4.001332	4.689176						
458000	4.384267	4.889292						
459000	4.443477	5.045044						
460000	4.427152	4.663482						
461000	4.429552	4.790115						
462000	4.680776	3.718289						
463000	3.809087	4.706542						
464000	4.466162	4.456001						
465000	4.432948	3.869228						
466000	4.045555	4.664979						
467000	4.181436	5.426042						
468000	3.960252	4.697365						
469000	4.437441	4.89025						
470000	4.224542	4.707527						
471000	4.592642	4.725295						
472000	4.70905	4.972262						
473000	4.06983	4.596767						
474000	4.407837	4.758618						
475000	4.337545	4.992082						
476000	4.276872	4.613423						
477000	4.420216	4.694339						
478000	4.192164	4.618748						
479000	4.295406	4.689336						

480000	4.496106	4.971047						
481000	4.343037	4.557401						
482000	3.650487	4.712942						
483000	4.490836	4.57743						
484000	4.341514	4.62323						
485000	4.826252	4.540532						
486000	4.401162	4.855623						
487000	4.541902	4.737094						
488000	4.770875	4.526082						
489000	4.192922	4.64869						
490000	4.385112	4.671906						
491000	4.682884	4.881399						
492000	4.249496	4.760844						
493000	4.733424	3.730064						
494000	4.174495	4.522629						
495000	4.722271	4.476712						
496000	3.564002	4.57901						
497000	4.186513	4.559756						
498000	4.425438	4.545474						
499000	4.287491	4.760688						
500000	4.285657	4.67757						
501000	4.474524	4.054726						
502000	4.380048	4.647803						
503000	4.720739	4.421481						
504000	4.238569	4.399676						
505000	4.402957	4.9642						
506000	4.534445	4.582263						
507000	4.340507	5.104164						
508000	3.681009	4.56442						
509000	4.167171	4.903076						
510000	4.068002	4.627126						
511000	4.326472	4.881223						

512000	4.04021	5.197628					
513000	3.969839	4.747886					
514000	4.138747	4.914781					
515000	3.894042	4.821496					
516000	3.57064	4.729203					
517000	4.233163	4.709353					
518000	4.106194	4.530483					
519000	4.474315	5.137529					
520000	4.332859	4.598461					
521000	4.180764	4.907861					
522000	4.360475	4.545281					
523000	4.160426	5.057907					
524000	4.215875	4.661826					
525000	4.404408	3.922288					
526000	4.223972	4.724717					
527000	3.632544	4.603114					
528000	4.255291	4.553355					
529000	4.398817	4.878044					
530000	4.461435	4.680233					
531000	4.587925	4.893872					
532000	3.889718	4.671221					
533000	4.358746	3.819241					
534000	4.008737	4.78454					
535000	4.236924	4.610195					
536000	4.729885	4.444285					
537000	4.317811	4.579806					
538000	4.282068	4.57846					
539000	4.722209	4.442192					
540000	4.293754	4.946131					
541000	4.095235	4.638884					
542000	4.4722	4.652495					
543000	4.369699	4.706713					

544000	4.140927	4.630873						
545000	4.788429	4.422879						
546000	4.082892	4.984213						
547000	4.368419	4.697108						
548000	4.20341	4.754096						
549000	4.217357	4.681006						
550000	3.887504	4.243903						
551000	4.105586	4.557392						
552000	4.270832	4.528074						
553000	3.993703	4.59264						
554000	4.56838	3.837271						
555000	4.094179	4.832215						
556000	4.103402	4.6389						
557000	4.244069	4.571212						
558000	4.534417	5.10991						
559000	3.821327	4.845098						
560000	3.909966	4.677606						
561000	4.300381	5.149665						
562000	4.01473	4.615624						
563000	3.789833	4.621033						
564000	3.707996	4.963893						
565000	3.630488	4.431066						
566000	4.037863	4.534857						
567000	4.805453	4.506435						
568000	4.068339	4.88312						
569000	4.05133	4.697164						
570000	4.307523	4.832375						
571000	4.339232	4.695423						
572000	4.258664	4.239436						
573000	3.675723	4.561358						
574000	3.580308	4.632184						
575000	3.641165	4.398294						

576000	3.89094	4.564005						
577000	4.206295	4.765062						
578000	4.252329	4.574295						
579000	3.947331	4.519378						
580000	3.979449	4.61554						
581000	3.995234	4.376386						
582000	4.392732	4.696665						
583000	4.18926	4.577834						
584000	3.721015	4.520221						
585000	4.225369	4.625893						
586000	4.477361	4.854495						
587000	4.130226	4.862629						
588000	4.096179	4.590393						
589000	4.152624	4.924479						
590000	4.105676	4.785725						
591000	4.353451	4.990777						
592000	3.843546	4.63248						
593000	3.664556	4.623056						
594000	4.207205	4.840189						
595000	3.825243	4.875483						
596000	3.744048	4.592145						
597000	4.007623	5.041571						
598000	3.96857	4.546016						
599000	4.002302	4.898856						
600000	3.540322	4.45531						
601000	4.17014	4.198638						
602000	4.137816	4.700344						
603000	4.154566	4.707474						
604000	3.509841	4.500373						
605000	4.06648	4.610374						
606000	4.201167	4.876438						
607000	4.188725	4.762297						

608000	3.848505	4.437197						
609000	4.21716	4.607239						
610000	3.8511	4.5415						
611000	3.992312	4.924998						
612000	3.792134	4.442682						
613000	4.278091	4.586048						
614000	4.162414	4.711527						
615000	3.194252	4.750752						
616000	3.921006	4.444723						
617000	4.107538	4.572323						
618000	4.272796	4.66029						
619000	3.973795	5.126043						
620000	3.26548	4.373016						
621000	4.064238	3.768774						
622000	4.392657	4.516807						
623000	4.174755	4.873962						
624000	3.921183	4.348351						
625000	4.35779	4.202834						
626000	3.768772	4.510272						
627000	4.096503	4.464875						
628000	3.978824	4.586248						
629000	4.263344	3.816745						
630000	4.248879	4.544677						
631000	4.557778	4.251831						
632000	4.151289	4.560033						
633000	4.067252	4.616928						
634000	4.180356	4.404756						
635000	3.784541	4.51345						
636000	3.996215	4.479953						
637000	3.931339	4.219917						
638000	3.98765	4.399816						
639000	3.659396	4.620595						



640000	3.898903	4.923244						
641000	3.880799	4.630204						
642000	4.119867	4.697447						
643000	3.813665	4.547062						
644000	3.963107	4.455475						
645000	4.381804	4.206691						
646000	4.077611	4.459143						
647000	3.91374	3.69109						
648000	4.015157	4.437893						
649000	4.075289	4.729709						
650000	4.426112	4.416973						
651000	4.129074	4.716573						
652000	3.967981	4.581361						
653000	4.202415	4.855916						
654000	3.973119	4.491835						
655000	4.016473	4.607135						
656000	4.277091	4.418457						
657000	4.147404	3.798897						
658000	3.985335	4.461509						
659000	4.219169	4.46127						
660000	4.118248	4.443324						
661000	3.564686	4.521405						
662000	4.325881	4.500834						
663000	3.95796	4.777417						
664000	3.283493	4.432312						
665000	3.759846	4.502154						
666000	4.026821	4.535478						
667000	3.554138	4.47379						
668000	4.087616	4.290944						
669000	3.898179	4.423061						
670000	3.502734	3.882701						
671000	3.921029	4.583027						

672000	3.867988	4.442664						
673000	3.915287	4.536388						
674000	3.924051	3.771743						
675000	4.156276	4.447546						
676000	3.957573	4.403467						
677000	4.231361	4.419916						
678000	3.973246	4.428359						
679000	3.622603	4.498368						
680000	4.014403	4.340384						
681000	3.291942	4.423524						
682000	3.88394	3.853003						
683000	4.011043	4.634452						
684000	3.858505	4.586771						
685000	3.503505	4.669162						
686000	3.198214	4.310546						
687000	3.91051	4.672161						
688000	3.94477	3.851641						
689000	4.264012	4.374082						
690000	3.876091	4.035292						
691000	3.910848	4.595775						
692000	3.689814	4.482023						
693000	3.827404	4.516848						
694000	3.909382	4.494277						
695000	3.556341	4.270129						
696000	4.165326	3.917833						
697000	3.896347	4.66142						
698000	3.988659	4.576831						
699000	3.882139	4.561052						
700000	3.425101	4.696599						
701000	3.996954	4.434643						
702000	4.165673	4.383341						
703000	3.983975	4.441051						

704000	3.809276	4.568663						
705000	3.962765	4.587188						
706000	3.932798	5.11065						
707000	3.627362	4.525191						
708000	3.849502	4.528008						
709000	4.026517	4.512763						
710000	3.947089	4.366361						
711000	4.029718	4.46616						
712000	4.116559	4.148099						
713000	4.076717	4.227298						
714000	3.908284	4.455032						
715000	3.945147	4.484047						
716000	4.039341	4.719301						
717000	3.813565	4.480608						
718000	3.310074	4.30562						
719000	4.224102	4.434511						
720000	4.187935	4.656125						
721000	3.955197	4.457272						
722000	3.746668	4.2264						
723000	3.994477	3.921284						
724000	3.760415	4.660692						
725000	3.77281	4.680999						
726000	3.903708	4.681067						
727000	3.830932	4.630911						
728000	3.786486	4.530996						
729000	3.848597	4.489853						
730000	3.663734	4.367946						
731000	4.175363	4.399339						
732000	3.449098	4.512482						
733000	3.742406	4.38992						
734000	6.689491	4.289646						
735000	3.358693	7.707767						

736000	4.297345	4.321928						
737000	3.521959	7.081967						
738000	3.970971	4.626874						
739000	4.124276	4.115348						
740000	3.958027	4.642738						
741000	4.225728	4.677837						
742000	3.71025	4.593342						
743000	4.284024	4.548558						
744000	4.27828	4.268823						
745000	3.950256	4.683672						
746000	3.949974	4.666309						
747000	3.9663	4.433237						
748000	3.921219	4.526042						
749000	3.994946	4.285069						
750000	3.943333	4.479845						
751000	4.164199	4.603846						
752000	4.056083	4.398712						
753000	4.10574	4.45672						
754000	4.011955	4.468803						
755000	3.796903	4.142857						
756000	4.195872	4.398333						
757000	3.935582	4.509996						
758000	4.100644	4.40268						
759000	4.088858	4.392045						
760000	3.926505	4.668482						
761000	3.915501	4.645654						
762000	3.849165	4.220975						
763000	3.746607	4.492886						
764000	4.04204	3.930147						
765000	3.813437	4.625767						
766000	3.543625	4.324247						
767000	3.860104	4.357185						

768000	3.757059	4.685984						
769000	3.667608	4.708997						
770000	3.859626	4.503392						
771000	3.887752	4.555225						
772000	3.187262	4.283127						
773000	3.048447	4.152391						
774000	3.677409	4.728592						
775000	3.304439	4.555188						
776000	3.944467	3.964233						
777000	3.808959	4.048118						
778000	3.797888	4.543128						
779000	3.83594	4.31878						
780000	3.769427	4.639965						
781000	3.806009	4.625562						
782000	4.060741	4.437377						
783000	3.776377	4.751229						
784000	3.499944	4.490886						
785000	3.637461	4.367504						
786000	4.157083	4.619831						
787000	3.394084	4.396237						
788000	3.74301	4.0406						
789000	3.913349	4.629376						
790000	3.214492	4.336107						
791000	4.047431	4.422085						
792000	3.987891	4.456377						
793000	3.783958	4.515523						
794000	3.464644	4.38991						
795000	3.932724	4.433696						
796000	3.75788	4.142076						
797000	3.871689	4.798197						
798000	3.827058	4.735559						
799000	3.752709	4.507525						

800000	4.020098	4.384067						
801000	3.921065	4.477059						
802000	3.887901	4.348054						
803000	3.761508	4.572441						
804000	3.713124	4.72085						
805000	3.606393	4.357726						
806000	3.929487	4.527425						
807000	3.866358	4.397389						
808000	3.80696	4.335967						
809000	3.699038	4.631181						
810000	3.454911	4.389746						
811000	3.728282	4.481181						
812000	3.54335	4.375606						
813000	3.741196	3.976154						
814000	3.735347	4.392352						
815000	3.785111	3.874154						
816000	3.792213	4.189351						
817000	4.056165	4.015548						
818000	3.233547	4.269047						
819000	3.877851	4.407736						
820000	3.738079	4.550533						
821000	3.850434	4.229466						
822000	4.178674	4.473672						
823000	3.858474	4.447474						
824000	4.055734	4.245579						
825000	3.639488	4.505466						
826000	3.444037	4.548921						
827000	3.888542	4.72538						
828000	3.484434	4.411629						
829000	3.937003	3.976162						
830000	3.880837	3.99312						
831000	3.622445	4.536719						

832000	3.900626	4.603542						
833000	3.776954	4.542155						
834000	3.751194	4.408003						
835000	4.017213	4.727068						
836000	3.997743	4.219516						
837000	3.913563	4.409922						
838000	3.762341	4.356966						
839000	3.695413	4.476862						
840000	3.661499	4.370148						
841000	3.980868	4.457035						
842000	3.700431	4.453111						
843000	3.768608	4.127637						
844000	4.02048	4.69391						
845000	3.77174	4.544454						
846000	3.793064	4.484612						
847000	3.725028	4.597303						
848000	3.83697	4.483113						
849000	3.892651	4.35211						
850000	3.615595	4.26732						
851000	3.542927	4.474483						
852000	3.564557	4.107032						
853000	3.647499	4.445739						
854000	3.510599	4.479674						
855000	3.760659	4.444978						
856000	3.536813	4.330201						
857000	3.753638	3.933045						
858000	3.648853	4.68693						
859000	3.717178	4.815282						
860000	2.913099	4.38791						
861000	3.483117	4.000191						
862000	3.623656	4.378092						
863000	3.995124	4.37716						

864000	4.205356	4.309024						
865000	3.777396	3.92545						
866000	3.938265	4.652552						
867000	3.706401	4.691876						
868000	3.834368	4.514709						
869000	3.501073	4.64953						
870000	3.777832	4.444631						
871000	3.739201	4.617567						
872000	4.124213	4.306064						
873000	3.72552	4.006134						
874000	3.919823	4.499438						
875000	3.686739	4.375858						
876000	3.382952	4.496359						
877000	3.556899	4.83172						
878000	3.830589	4.425106						
879000	4.007596	4.514313						
880000	4.071016	4.503257						
881000	3.797746	4.387168						
882000	3.850048	4.634398						
883000	3.940939	4.544842						
884000	3.839255	4.67414						
885000	3.826544	4.60183						
886000	3.447864	4.626471						
887000	3.816039	5.819294						
888000	4.5286	4.028731						
889000	3.499704	5.846059						
890000	3.567729	4.762567						
891000	3.516425	4.371721						
892000	3.95216	4.685022						
893000	4.020511	4.604556						
894000	3.782869	4.153031						
895000	3.055529	4.952964						



896000	3.731921	3.687086						
897000	3.781621	5.170718						
898000	3.453106	4.655925						
899000	3.717619	4.664446						
900000	4.095358	4.215987						
901000	3.773579	4.540221						
902000	3.91378	4.738595						
903000	3.674965	4.232718						
904000	3.490432	4.699992						
905000	3.609008	3.088311						
906000	4.035207	4.346194						
907000	3.927532	4.398319						
908000	3.205286	4.332043						
909000	3.854504	4.401836						
910000	3.701798	4.484976						
911000	3.823505	4.647631						
912000	3.72296	3.751998						
913000	3.968025	4.431702						
914000	3.861724	4.469389						
915000	3.944746	4.9276						
916000	3.703529	4.3488						
917000	3.548365	4.71922						
918000	3.571854	4.457209						
919000	3.702826	4.419334						
920000	4.216129	4.120445						
921000	3.708232	4.443833						
922000	3.483643	4.450267						
923000	3.943874	4.012599						
924000	3.880983	4.348773						
925000	4.077959	4.56055						
926000	3.35584	4.701074						
927000	3.790796	4.170004						

928000	4.37149	4.428263						
929000	3.737682	4.804438						
930000	3.962646	4.724489						
931000	3.513669	4.394942						
932000	3.748276	4.970522						
933000	3.931645	4.067829						
934000	3.974715	4.11091						
935000	3.686831	5.02967						
936000	3.580214	4.229702						
937000	3.506348	4.55802						
938000	3.449096	4.573268						
939000	3.603859	4.434267						
940000	4.223177	4.70562						
941000	3.620845	4.417792						
942000	3.655036	3.986778						
943000	4.182543	4.453055						
944000	3.845599	4.419244						
945000	3.93845	4.269066						
946000	3.793914	4.423585						
947000	3.096699	4.014075						
948000	4.040851	3.97782						
949000	3.767559	3.895274						
950000	3.201101	4.300422						
951000	3.856101	3.844179						
952000	3.880962	4.236941						
953000	3.927619	4.052019						
954000	3.97952	4.177948						
955000	3.702974	4.089437						
956000	3.766989	3.806384						
957000	4.111683	4.387411						
958000	3.284373	4.157329						
959000	3.62053	4.873339						

960000	4.02857	4.323734						
961000	3.629995	4.78273						
962000	3.907585	5.031958						
963000	3.842981	4.534655						
964000	3.651473	4.936578						
965000	3.953901	4.38258						
966000	3.926474	4.621579						
967000	3.290847	4.833783						
968000	3.761781	4.568062						
969000	4.035081	4.415502						
970000	4.091012	5.09091						
971000	3.512976	4.406491						
972000	3.924976	4.167543						
973000	3.864456	3.957151						
974000	3.872905	4.722295						
975000	3.605211	4.426317						
976000	3.746933	4.159306						
977000	3.823514	4.586855						
978000	3.67617	4.443177						
979000	3.341486	4.789154						
980000	3.649628	4.675978						
981000	3.602251	4.512746						
982000	3.527335	4.570207						
983000	3.722821	4.567867						
984000	3.716912	4.269555						
985000	3.568541	4.540842						
986000	3.717973	4.729771						
987000	3.612211	4.385423						
988000	3.895906	4.424505						
989000	3.91002	4.603988						
990000	3.719506	4.532692						
991000	3.541348	4.504177						

992000	3.752159	4.205044						
993000	3.742463	4.596891						
994000	3.072965	4.417266						
995000	3.766939	4.592141						
996000	3.896907	4.447903						
997000	3.764502	4.540612						
998000	3.845613	4.675225						
999000	3.837705	4.614827						
1000000	3.878975	4.506399						
1001000	3.829678	4.456277						
1002000	3.766226	4.677593						
1003000	3.801212	4.351987						
1004000	3.540784	4.504031						
1005000	3.779008	4.423974						
1006000	3.798401	3.98388						
1007000	3.644946	4.520331						
1008000	3.843905	4.382288						
1009000	3.751248	4.6714						
1010000	3.849083	4.120414						
1011000	3.884973	4.480268						
1012000	3.859	4.151215						
1013000	3.807019	4.013966						
1014000	3.857083	4.237805						
1015000	3.910592	4.372836						
1016000	3.886565	4.654898						
1017000	3.948895	4.40992						
1018000	3.904374	4.289933						
1019000	3.869714	4.510184						
1020000	3.697383	4.349495						
1021000	3.896328	4.411784						
1022000	3.462312	4.232084						
1023000	3.651073	4.686273						

1024000	3.545067	4.212794						
1025000	3.708832	4.483463						
1026000	3.688886	4.678155						
1027000	3.591859	4.395096						
1028000	3.44168	4.38848						
1029000	3.180234	4.439815						
1030000	3.646778	4.553221						
1031000	3.699877	4.546966						
1032000	3.487489	4.434876						
1033000	3.725418	4.540896						
1034000	3.747772	4.511888						
1035000	3.819804	4.614929						
1036000	3.615686	4.368683						
1037000	3.690038	4.36567						
1038000	3.813214	4.4222						
1039000	3.755869	4.169159						
1040000	3.951817	4.237963						
1041000	4.014786	4.306108						
1042000	3.757356	4.001827						
1043000	3.707626	4.407184						
1044000	3.864438	4.481864						
1045000	3.686832	4.452259						
1046000	3.978872	4.346338						
1047000	3.914648	4.469344						
1048000	3.396145	4.453905						
1049000	3.524117	4.457049						
1050000	3.727333	4.479353						
1051000	3.777242	4.333193						
1052000	3.684654	4.55069						
1053000	3.822068	4.718145						
1054000	3.773837	4.441368						
1055000	3.839114	4.188344						

1056000	3.737068	4.37108						
1057000	3.736767	4.165553						
1058000	4.163816	4.385058						
1059000	3.951905	4.541204						
1060000	3.868915	4.02886						
1061000	3.792298	4.468644						
1062000	3.98949	4.473214						
1063000	3.557643	4.593622						
1064000	3.528009	4.464181						
1065000	3.183903	4.596357						
1066000	3.57607	4.514062						
1067000	3.741007	4.579878						
1068000	3.612819	4.741552						
1069000	3.573382	4.129061						
1070000	3.657709	4.013512						
1071000	3.500655	4.662621						
1072000	3.68473	4.374183						
1073000	3.752051	4.545534						
1074000	3.814237	4.199213						
1075000	3.578389	4.508721						
1076000	3.303774	4.447857						
1077000	3.380598	4.235163						
1078000	3.945445	4.421773						
1079000	3.720915	4.610221						
1080000	3.92837	4.262281						
1081000	3.554645	4.497421						
1082000	3.933886	4.174438						
1083000	3.802377	4.454144						
1084000	3.989465	4.643933						
1085000	3.747894	4.5592						
1086000	3.676685	4.600671						
1087000	3.511435	4.454032						

1088000	3.779713	4.38191						
1089000	3.264879	4.544499						
1090000	3.726892	4.399196						
1091000	3.388973	4.567063						
1092000	3.8079	4.494341						
1093000	3.958197	4.490062						
1094000	3.827381	4.476523						
1095000	3.748009	3.925815						
1096000	3.428208	4.387369						
1097000	3.473377	4.560082						
1098000	3.74293	4.278198						
1099000	3.788476	4.684388						
1100000	3.696387	4.001428						
1101000	3.976335	4.450714						
1102000	3.444433	4.34482						
1103000	3.729333	4.189574						
1104000	4.063996	4.314848						
1105000	3.704327	4.496457						
1106000	3.790266	4.598239						
1107000	3.1442	4.40305						
1108000	3.693324	4.517696						
1109000	3.527556	4.057618						
1110000	3.72089	4.428942						
1111000	3.627682	4.636429						
1112000	3.415127	4.006254						
1113000	3.270277	4.526643						
1114000	3.437982	4.665732						
1115000	3.739104	4.521188						
1116000	3.69962	4.094069						
1117000	3.758117	4.45067						
1118000	3.836058	4.576597						
1119000	3.774133	4.451301						

1120000	3.534986	4.103247						
1121000	3.341317	4.507074						
1122000	3.771192	4.273169						
1123000	3.543465	4.199299						
1124000	3.860878	4.409014						
1125000	3.917642	4.4492						
1126000	3.920463	4.421902						
1127000	3.980857	4.237081						
1128000	3.704836	4.541976						
1129000	3.80149	4.520185						
1130000	3.878847	4.419305						
1131000	3.721571	3.981347						
1132000	3.653159	4.548848						
1133000	3.680707	4.240957						
1134000	3.648342	4.334566						
1135000	3.416377	4.421318						
1136000	3.79848	4.54992						
1137000	3.692657	4.23382						
1138000	3.928733	3.965898						
1139000	3.826177	4.755533						
1140000	3.881254	4.397502						
1141000	3.69171	4.564046						
1142000	3.768569	4.575775						
1143000	3.799699	4.318584						
1144000	3.707734	4.04786						
1145000	3.924237	4.595468						
1146000	3.729314	4.424416						
1147000	3.936821	4.639767						
1148000	3.414516	4.468005						
1149000	3.611753	4.69346						
1150000	3.252652	4.240219						
1151000	3.562439	4.071135						



1152000	3.163039	4.183506						
1153000	3.535666	4.160113						
1154000	3.698224	4.593468						
1155000	3.508616	4.268087						
1156000	3.636133	4.290125						
1157000	3.709643	4.596624						
1158000	3.865613	4.304549						
1159000	3.760316	4.629676						
1160000	3.726339	4.571839						
1161000	3.704184	4.219571						
1162000	3.81833	4.3644						
1163000	3.79321	4.47777						
1164000	3.878627	4.50589						
1165000	3.618202	4.633285						
1166000	3.779363	4.361889						
1167000	3.70013	4.306081						
1168000	3.902235	4.623675						
1169000	3.276418	6.9416						
1170000	4.004242	4.563303						
1171000	3.732105	4.693149						
1172000	3.971824	4.678324						
1173000	3.93634	4.774629						
1174000	4.018807	4.699683						
1175000	3.947967	4.587192						
1176000	3.952576	4.698407						
1177000	3.994534	4.675788						
1178000	3.997359	4.42963						
1179000	3.909948	4.514386						
1180000	3.922524	4.637087						
1181000	3.80751	4.562354						
1182000	3.821159	4.555021						
1183000	3.970322	4.356971						

1184000	3.919061	4.530714						
1185000	3.624345	4.279806						
1186000	3.734875	4.527334						
1187000	3.779473	4.416434						
1188000	3.703777	4.590717						
1189000	3.859151	4.035607						
1190000	3.908958	4.520292						
1191000	3.689242	4.362844						
1192000	3.560735	4.391378						
1193000	3.511721	4.616813						
1194000	3.094141	4.291217						
1195000	3.76194	4.445657						
1196000	3.592482	4.449582						
1197000	3.459956	4.412736						
1198000	3.587724	4.659358						
1199000	3.66551	4.372309						
1200000	3.7087	4.465693						
1201000	3.877721	4.249087						
1202000	3.515662	4.563933						
1203000	3.81562	4.127049						
1204000	3.710317	4.375363						
1205000	3.875055	4.564109						
1206000	3.887081	4.470352						
1207000	3.80368	4.355354						
1208000	3.79855	4.354292						
1209000	3.654705	4.373846						
1210000	3.775558	4.138885						
1211000	3.501274	4.5898						
1212000	3.837646	4.145913						
1213000	3.362616	4.328738						
1214000	3.816894	4.464307						
1215000	3.351785	4.425961						

1216000	3.762024	4.491374						
1217000	3.681935	4.539468						
1218000	3.789347	4.705644						
1219000	3.665602	4.37503						
1220000	3.739078	4.615952						
1221000	3.708649	4.422708						
1222000	3.856989	4.538335						
1223000	3.635209	4.206311						
1224000	3.821409	4.281769						
1225000	3.691639	4.16552						
1226000	3.768551	4.371074						
1227000	3.905693	4.302852						
1228000	3.883263	4.45294						
1229000	3.802986	4.611994						
1230000	3.890625	4.462183						
1231000	3.701077	4.590131						
1232000	3.787433	4.357935						
1233000	3.744572	4.170591						
1234000	3.537546	4.108031						
1235000	3.44174	4.602469						
1236000	3.405202	4.401127						
1237000	3.664131	4.710763						
1238000	3.600303	4.59797						
1239000	3.527942	4.666852						
1240000	3.488008	4.323797						
1241000	3.517768	4.61595						
1242000	3.571563	4.410775						
1243000	3.281318	4.042015						
1244000	3.515529	4.413077						
1245000	3.908074	4.413896						
1246000	3.778589	4.371661						
1247000	3.461089	4.431965						

1248000	3.566533	4.731099						
1249000	3.811558	4.542828						
1250000	3.641689	4.136846						
1251000	3.423964	4.218693						
1252000	3.598438	4.521484						
1253000	3.812124	4.339995						
1254000	3.648912	4.543442						
1255000	3.721476	4.458605						
1256000	3.903633	4.855401						
1257000	3.616848	4.592748						
1258000	3.577232	4.517367						
1259000	3.539306	3.963581						
1260000	3.423452	4.411176						
1261000	3.494017	4.621038						
1262000	3.849428	4.480238						
1263000	3.686809	4.2543						
1264000	3.500782	4.374942						
1265000	3.683073	4.695769						
1266000	3.729784	4.32246						
1267000	3.81931	4.57865						
1268000	3.644174	4.513117						
1269000	3.731436	4.956303						
1270000	3.72708	4.348416						
1271000	3.944962	4.485495						
1272000	3.814903	4.511239						
1273000	3.776963	4.240732						
1274000	3.845346	4.252868						
1275000	3.805225	4.456706						
1276000	3.704329	4.53341						
1277000	3.512091	4.419769						
1278000	3.618309	4.578407						
1279000	3.623078	3.874272						

1280000	3.415031	4.474482						
1281000	3.526261	4.571271						
1282000	3.685808	4.611447						
1283000	3.718714	4.341399						
1284000	3.882515	4.394117						
1285000	3.633464	4.327065						
1286000	3.490621	4.284097						
1287000	3.826144	4.569857						
1288000	3.571232	4.599343						
1289000	3.738488	4.573229						
1290000	3.646895	4.517525						
1291000	3.656716	4.269765						
1292000	3.422611	4.284913						
1293000	3.878	4.517162						
1294000	3.819426	4.330151						
1295000	3.765771	4.441484						
1296000	3.861958	4.401469						
1297000	3.617316	4.633793						
1298000	3.793377	4.680197						
1299000	3.701656	4.579815						
1300000	3.62303	3.944272						
1301000	3.57175	4.687305						
1302000	3.384691	4.460425						
1303000	3.729455	4.276429						
1304000	3.569586	4.433173						
1305000	3.697513	4.595329						
1306000	3.652812	4.174452						
1307000	3.723394	4.282879						
1308000	3.787421	4.364384						
1309000	3.655362	4.286033						
1310000	3.743237	4.032107						
1311000	3.906187	4.487638						

1312000	3.485218	4.554432						
1313000	3.590807	4.109241						
1314000	3.922247	4.537381						
1315000	3.686513	4.34329						
1316000	3.713192	4.16304						
1317000	3.984822	4.483711						
1318000	3.515841	4.382912						
1319000	3.662475	4.191677						
1320000	3.52114	4.421343						
1321000	3.334459	4.729776						
1322000	3.482104	3.992911						
1323000	3.597667	4.359533						
1324000	3.427804	4.647386						
1325000	3.619529	4.484391						
1326000	3.606875	4.449135						
1327000	3.660218	4.553081						
1328000	3.709837	4.611745						
1329000	3.554565	4.471995						
1330000	3.706178	4.671389						
1331000	3.686641	4.535112						
1332000	3.855347	4.493506						
1333000	3.189128	4.328071						
1334000	3.878339	4.230227						
1335000	3.511916	4.552084						
1336000	3.766326	4.418703						
1337000	3.659447	4.395784						
1338000	3.652304	4.419036						
1339000	3.872283	4.517739						
1340000	3.738719	4.530183						
1341000	3.866823	4.572686						
1342000	3.729734	4.598776						
1343000	3.539922	4.621868						

1344000	3.710735	4.585628						
1345000	3.567458	4.526362						
1346000	3.48857	4.407683						
1347000	3.768541	4.231409						
1348000	3.840609	4.416333						
1349000	3.658846	4.668391						
1350000	3.63641	4.456712						
1351000	3.740885	4.703205						
1352000	3.660448	4.570906						
1353000	3.799914	4.47362						
1354000	3.443931	4.474335						
1355000	3.754677	4.323699						
1356000	3.838132	4.586483						
1357000	3.81233	4.395884						
1358000	3.789938	4.333808						
1359000	3.336479	4.539799						
1360000	3.76584	4.370641						
1361000	3.856524	4.519872						
1362000	3.309481	4.415912						
1363000	3.6004	4.487265						
1364000	3.565032	4.371665						
1365000	3.608608	4.343755						
1366000	3.573067	4.558388						
1367000	3.548906	4.63671						
1368000	3.604439	4.363095						
1369000	3.660735	4.482879						
1370000	3.509227	4.121468						
1371000	3.641999	4.537877						
1372000	3.716227	4.528089						
1373000	3.728281	4.540695						
1374000	3.686258	4.54607						
1375000	3.70153	4.371081						

1376000	3.708023	4.520743						
1377000	3.618507	4.529206						
1378000	3.559204	4.188081						
1379000	3.377573	4.612423						
1380000	3.407034	4.122309						
1381000	3.712349	4.590413						
1382000	3.853862	4.453387						
1383000	3.779319	4.261667						
1384000	3.97342	4.340966						
1385000	3.649296	4.588646						
1386000	3.736717	4.38438						
1387000	3.442221	4.507788						
1388000	3.726904	4.344724						
1389000	3.509352	4.433843						
1390000	3.808982	4.530337						
1391000	3.802081	4.544275						
1392000	3.626945	4.063195						
1393000	3.775624	4.473455						
1394000	3.652596	4.35841						
1395000	3.865842	4.474864						
1396000	3.866864	4.485849						
1397000	3.560839	3.954671						
1398000	3.708486	4.456597						
1399000	3.89191	4.476579						
1400000	3.905962	4.567735						
1401000	3.574251	4.519765						
1402000	3.85053	3.952875						
1403000	3.69598	4.203729						
1404000	3.814739	4.39911						
1405000	3.534205	4.624887						
1406000	3.534274	4.090929						
1407000	3.425273	3.986503						



1408000	3.316439	4.32244						
1409000	3.739784	4.328851						
1410000	3.471551	4.27045						
1411000	3.57361	4.325487						
1412000	3.709641	4.174533						
1413000	3.578763	4.03473						
1414000	3.414132	4.117523						
1415000	3.693178	4.759577						
1416000	3.651957	4.314715						
1417000	3.571817	4.56074						
1418000	3.575462	4.3452						
1419000	3.093446	4.496025						
1420000	3.759564	4.724763						
1421000	3.679824	4.498342						
1422000	3.778894	4.46776						
1423000	3.771271	4.330064						
1424000	3.410729	4.490385						
1425000	3.81867	4.552782						
1426000	3.750534	4.607038						
1427000	3.887032	4.415301						
1428000	3.365972	4.656315						
1429000	3.685014	4.471856						
1430000	3.558824	4.107575						
1431000	3.526726	4.51944						
1432000	3.876986	4.560726						
1433000	3.684453	4.326665						
1434000	3.90756	4.395125						
1435000	3.672639	4.359364						
1436000	3.754954	4.470322						
1437000	3.509122	4.61041						
1438000	3.743191	4.415877						
1439000	3.637927	4.713346						

1440000	3.768816	4.499669						
1441000	3.600941	4.437697						
1442000	3.664534	4.65015						
1443000	3.520155	4.325597						
1444000	3.783934	4.686827						
1445000	3.829893	4.450498						
1446000	3.818488	4.485818						
1447000	3.559909	4.287701						
1448000	3.585103	4.039435						
1449000	3.50507	4.016816						
1450000	3.129016	4.195911						
1451000	3.607825	4.279447						
1452000	3.450387	4.043397						
1453000	3.566748	4.267478						
1454000	3.61066	4.580916						
1455000	3.653062	4.533323						
1456000	3.50899	4.167152						
1457000	3.638569	4.519145						
1458000	3.504983	4.279068						
1459000	3.760391	4.527838						
1460000	3.616773	4.436244						
1461000	3.775599	4.462101						
1462000	3.594107	4.542692						
1463000	3.694109	4.489468						
1464000	3.303352	4.287803						
1465000	3.752148	4.388645						
1466000	4.018617	4.531344						
1467000	3.755051	4.655205						
1468000	3.738049	4.407432						
1469000	3.753593	4.470744						
1470000	3.91001	4.59718						
1471000	3.549552	4.547176						

1472000	3.628426	4.21088						
1473000	3.493586	4.466117						
1474000	3.318718	4.42325						
1475000	3.652055	4.710751						
1476000	3.658292	4.576887						
1477000	3.760856	4.386185						
1478000	3.744239	4.668286						
1479000	3.672355	4.598078						
1480000	3.590087	4.512731						
1481000	3.790724	4.510773						
1482000	3.445919	4.258706						
1483000	3.646086	4.331589						
1484000	3.614654	4.679731						
1485000	3.856187	4.559261						
1486000	3.632543	4.151479						
1487000	3.686373	4.342969						
1488000	3.542501	4.462094						
1489000	3.840377	4.47494						
1490000	3.352857	4.390538						
1491000	3.30669	4.125801						
1492000	3.661099	4.418799						
1493000	3.188465	4.529385						
1494000	3.545692	4.789782						
1495000	3.70431	4.49246						
1496000	3.617109	4.316417						
1497000	3.433809	4.50378						
1498000	3.430906	4.506505						
1499000	3.687254	4.56973						
1500000	3.746248	4.53357						
1501000	3.632737	4.447159						
1502000	3.708457	4.260568						
1503000	3.625624	4.511934						

1504000	3.585353	4.534636						
1505000	3.724231	4.157046						
1506000	3.238099	4.12401						
1507000	3.395127	4.63543						
1508000	3.781076	4.286344						
1509000	3.700457	4.713226						
1510000	3.852193	4.438628						
1511000	3.873983	4.232945						
1512000	3.796554	4.518142						
1513000	3.686669	4.397465						
1514000	3.802604	4.639237						
1515000	3.4964	4.451541						
1516000	3.644262	4.459852						
1517000	3.676644	4.707611						
1518000	3.574994	4.559216						
1519000	3.702439	4.562238						
1520000	3.629663	4.395751						
1521000	3.552673	4.628112						
1522000	3.491703	4.248438						
1523000	3.701146	4.579151						
1524000	3.567025	4.444759						
1525000	3.77211	4.180225						
1526000	3.74637	4.479195						
1527000	3.544174	4.419567						
1528000	3.881443	4.567155						
1529000	3.105783	4.546711						
1530000	3.890134	4.40394						
1531000	3.412511	4.298702						
1532000	3.806512	4.301569						
1533000	3.561968	4.419306						
1534000	3.549174	4.601127						
1535000	3.420288	4.601522						

1536000	3.089247	4.316461						
1537000	3.464639	4.715812						
1538000	3.503463	4.688692						
1539000	3.675973	4.433938						
1540000	3.588811	4.518064						
1541000	3.580949	4.528136						
1542000	3.739447	4.36202						
1543000	3.491577	4.468239						
1544000	3.734196	4.520547						
1545000	3.710132	4.54426						
1546000	3.649988	4.396588						
1547000	3.59151	4.230998						
1548000	3.587716	4.374634						
1549000	3.493751	4.384575						
1550000	3.318999	4.601205						
1551000	3.536417	4.787802						
1552000	3.633899	3.896218						
1553000	3.501736	4.653784						
1554000	3.6357	4.189204						
1555000	3.809581	4.409197						
1556000	3.503144	4.290787						
1557000	3.367561	4.411558						
1558000	3.705786	4.495459						
1559000	3.509104	4.354287						
1560000	3.52091	4.370441						
1561000	3.59104	4.392872						
1562000	3.304244	4.600639						
1563000	3.548336	4.295163						
1564000	3.571965	4.204234						
1565000	3.530547	4.299284						
1566000	3.594729	4.013663						
1567000	3.6878	4.407028						

1568000	3.424577	4.290757						
1569000	3.359193	4.107217						
1570000	3.8569	4.24059						
1571000	3.61348	4.382891						
1572000	3.453294	4.407032						
1573000	3.654829	4.371797						
1574000	3.294944	4.625539						
1575000	3.420127	4.340899						
1576000	3.566852	4.027378						
1577000	3.380583	4.635078						
1578000	3.486843	4.423364						
1579000	3.304654	4.395976						
1580000	3.490264	4.512127						
1581000	3.268283	4.50164						
1582000	3.482174	4.588528						
1583000	3.53548	4.559391						
1584000	3.701602	4.39164						
1585000	3.71115	4.400734						
1586000	3.567092	4.38433						
1587000	3.545857	4.472956						
1588000	3.72956	4.480116						
1589000	3.571806	4.21734						
1590000	3.791937	4.339091						
1591000	3.445143	4.619684						
1592000	3.551395	4.609476						
1593000	3.751083	4.493833						
1594000	3.669667	4.214332						
1595000	3.668078	4.54636						
1596000	3.992717	4.18393						
1597000	3.813048	4.465115						
1598000	3.756641	4.489336						
1599000	3.601607	4.555937						

1600000	3.509602	4.509143						
1601000	3.541206	4.573801						
1602000	3.397526	4.258432						
1603000	3.746106	4.073502						
1604000	3.724006	4.49487						
1605000	3.254939	4.129238						
1606000	3.46768	4.398192						
1607000	3.771315	4.54886						
1608000	3.554219	4.642566						
1609000	3.827284	4.531789						
1610000	3.699804	4.429541						
1611000	3.682993	4.182691						
1612000	3.876362	4.458525						
1613000	3.699271	4.533476						
1614000	3.695232	4.575561						
1615000	3.821435	4.492134						
1616000	3.442355	4.688658						
1617000	3.600855	4.578177						
1618000	3.750452	3.991161						
1619000	3.422201	4.09178						
1620000	3.557505	4.386339						
1621000	3.321912	4.480192						
1622000	3.33928	4.459864						
1623000	3.585739	4.789949						
1624000	3.532313	4.458496						
1625000	3.593695	4.441914						
1626000	3.647404	4.463475						
1627000	3.629698	4.638718						
1628000	3.871793	4.438501						
1629000	3.794582	4.633271						
1630000	3.724365	4.473508						
1631000	3.384875	4.580477						

1632000	3.639459	4.195158						
1633000	3.667925	4.284037						
1634000	3.631347	4.534895						
1635000	3.795212	4.49855						
1636000	3.781362	4.516446						
1637000	3.724315	4.541492						
1638000	3.859488	4.443175						
1639000	3.714711	4.524768						
1640000	3.370733	4.441441						
1641000	3.634318	4.475369						
1642000	3.738634	4.147651						
1643000	3.759071	4.555962						
1644000	3.53761	4.438737						
1645000	3.692029	4.443201						
1646000	3.693272	4.646271						
1647000	3.670172	4.486686						
1648000	3.737525	4.296417						
1649000	3.760834	4.658664						
1650000	3.8007	4.436811						
1651000	3.397562	4.183112						
1652000	3.875872	4.31918						
1653000	3.68086	4.545027						
1654000	3.572499	4.195101						
1655000	3.742928	4.399799						
1656000	3.741109	4.591861						
1657000	3.696313	4.196523						
1658000	3.780247	4.538993						
1659000	3.803347	4.495585						
1660000	3.55922	4.225925						
1661000	3.47226	4.269976						
1662000	3.608194	4.292743						
1663000	3.494532	4.477584						



1664000	3.242847	4.456633						
1665000	3.628508	4.452565						
1666000	3.633586	4.561713						
1667000	3.4234	4.372788						
1668000	3.748262	4.499772						
1669000	3.64152	4.030054						
1670000	3.384598	4.066446						
1671000	3.404728	4.592368						
1672000	3.71243	4.491831						
1673000	3.592933	4.223161						
1674000	3.592662	4.629295						
1675000	3.658604	4.540795						
1676000	3.692424	4.002191						
1677000	3.414643	4.684026						
1678000	3.519595	4.531597						
1679000	3.705024	4.573002						
1680000	3.641488	4.743162						
1681000	3.627487	4.646569						
1682000	3.977856	4.381139						
1683000	3.678267	4.17588						
1684000	3.452223	4.423711						
1685000	3.415292	4.642021						
1686000	3.650584	4.514269						
1687000	3.520851	4.448497						
1688000	3.683835	4.550441						
1689000	3.663146	4.497667						
1690000	3.745745	3.948853						
1691000	3.390983	4.425038						
1692000	3.558564	4.627336						
1693000	3.750625	4.518407						
1694000	3.308325	4.34926						
1695000	3.304922	4.67345						

1696000	3.465909	4.53322						
1697000	3.657906	4.365939						
1698000	3.579829	4.460667						
1699000	3.822061	4.593591						
1700000	3.787131	4.448185						
1701000	3.724613	4.070337						
1702000	3.613964	4.431222						
1703000	3.192765	4.439284						
1704000	3.695038	4.213119						
1705000	3.63523	4.767582						
1706000	3.208254	4.687733						
1707000	3.273993	4.605002						
1708000	3.579569	4.420157						
1709000	3.581129	4.411845						
1710000	3.659173	4.482879						
1711000	3.43042	4.6269						
1712000	3.594152	4.412912						
1713000	3.629386	4.547197						
1714000	3.744553	4.537514						
1715000	3.83028	4.396333						
1716000	3.58248	4.23723						
1717000	3.397404	4.145387						
1718000	3.543156	4.470678						
1719000	3.801505	4.435405						
1720000	3.758995	4.667392						
1721000	3.444332	4.302798						
1722000	3.380169	4.435326						
1723000	3.700624	4.032752						
1724000	3.879801	4.427006						
1725000	3.456843	4.130493						
1726000	3.906445	4.608407						
1727000	3.573079	4.157872						

1728000	3.692462	4.524888						
1729000	3.482526	4.140173						
1730000	3.812077	4.375111						
1731000	3.61529	4.416437						
1732000	3.615334	4.508261						
1733000	3.313076	4.31495						
1734000	3.855161	4.474941						
1735000	3.675373	4.646074						
1736000	3.641959	4.550945						
1737000	3.193111	4.265949						
1738000	3.805079	4.290174						
1739000	3.399531	4.310236						
1740000	5.21985	4.749602						
1741000	4.053504	4.654279						
1742000	3.693859	4.728582						
1743000	3.883773	4.655529						
1744000	3.946033	4.536525						
1745000	3.904035	4.541324						
1746000	3.72097	4.533062						
1747000	3.663848	4.580471						
1748000	3.631919	4.607418						
1749000	3.470927	4.557844						
1750000	3.749682	4.367663						
1751000	3.285572	4.32775						
1752000	3.315633	4.203642						
1753000	3.486431	4.417025						
1754000	3.66492	4.478394						
1755000	3.688215	4.406598						
1756000	3.498373	4.402806						
1757000	3.608514	4.197124						
1758000	3.78611	4.465402						
1759000	3.739746	4.511977						

1760000	3.580604	4.303136						
1761000	3.104816	4.42367						
1762000	3.714174	4.510066						
1763000	3.791469	4.318802						
1764000	3.646851	4.436033						
1765000	3.713432	4.39539						
1766000	3.86715	4.442616						
1767000	3.853002	4.370572						
1768000	3.789243	4.45087						
1769000	3.674521	4.51408						
1770000	3.531695	4.14661						
1771000	3.67967	4.329452						
1772000	3.740649	4.597991						
1773000	3.678834	4.601569						
1774000	3.698285	4.109361						
1775000	3.553301	4.332416						
1776000	3.762631	4.687523						
1777000	3.617999	4.621584						
1778000	3.747198	4.460906						
1779000	3.880863	4.37734						
1780000	3.697593	4.749737						
1781000	3.297432	4.5324						
1782000	3.51301	4.538495						
1783000	3.749568	4.282047						
1784000	3.887837	4.539991						
1785000	3.687671	4.667159						
1786000	3.310917	4.206039						
1787000	3.445431	4.424026						
1788000	3.721307	4.452675						
1789000	3.581258	4.405645						
1790000	3.503247	4.45276						
1791000	3.305261	4.517202						

1792000	3.281644	3.903169						
1793000	3.550408	4.488211						
1794000	3.64165	4.470115						
1795000	3.606144	4.523072						
1796000	3.549993	4.466594						
1797000	3.681512	4.32243						
1798000	3.435292	4.512531						
1799000	3.41866	4.673795						
1800000	3.791899	4.02992						
1801000	3.636412	4.699437						
1802000	3.733355	4.52562						
1803000	3.638252	4.553345						
1804000	3.537885	4.259516						
1805000	3.519729	4.314561						
1806000	3.736664	4.63334						
1807000	3.645558	4.612657						
1808000	3.779665	4.296623						
1809000	3.6628	4.525239						
1810000	3.469558	4.006203						
1811000	3.671894	4.226965						
1812000	3.461335	4.535139						
1813000	3.808856	4.569589						
1814000	3.59944	4.09782						
1815000	3.692085	4.651025						
1816000	3.714162	4.370336						
1817000	3.451639	4.274485						
1818000	3.629016	4.638082						
1819000	3.669923	4.802722						
1820000	3.580223	4.595112						
1821000	3.453027	4.535042						
1822000	3.768531	4.465505						
1823000	3.786787	4.49207						

1824000	3.46329	4.821651						
1825000	3.927733	4.641971						
1826000	4.120739	5.885389						
1827000	3.946171	5.473873						
1828000	3.860401	4.305249						
1829000	4.00481	4.53532						
1830000	3.88634	4.573162						
1831000	3.717493	4.496847						
1832000	3.61381	4.483428						
1833000	3.451986	4.56969						
1834000	3.541748	4.506992						
1835000	3.515822	4.501556						
1836000	3.414106	4.263395						
1837000	3.129132	4.319316						
1838000	3.440787	4.319636						
1839000	3.494133	4.521239						
1840000	3.605242	4.639117						
1841000	3.529198	4.470925						
1842000	3.451479	4.453027						
1843000	3.617826	4.55036						
1844000	3.636784	4.216877						
1845000	3.54772	4.376785						
1846000	3.583704	4.581166						
1847000	3.38453	4.546786						
1848000	3.619072	4.422127						
1849000	3.806484	4.446289						
1850000	3.668754	4.399839						
1851000	3.701911	4.562885						
1852000	3.853785	4.177319						
1853000	3.448113	4.454026						
1854000	3.576784	4.719054						
1855000	3.530412	4.612745						

1856000	3.061671	4.382462						
1857000	3.556336	4.422206						
1858000	3.74616	4.220835						
1859000	3.680984	4.562008						
1860000	3.410443	4.622593						
1861000	3.559223	4.60613						
1862000	3.526019	4.294016						
1863000	3.411715	4.292692						
1864000	3.662968	4.629086						
1865000	3.692257	4.584928						
1866000	3.571709	4.485708						
1867000	3.792856	4.551877						
1868000	3.73362	4.149849						
1869000	3.816507	4.569529						
1870000	3.745321	4.508205						
1871000	3.402639	4.172518						
1872000	3.776959	4.38806						
1873000	3.725213	4.628036						
1874000	3.594096	4.539288						
1875000	3.240656	4.462013						
1876000	3.40432	4.631877						
1877000	3.595609	4.484604						
1878000	3.55304	4.096837						
1879000	3.634763	4.651018						
1880000	3.514794	4.443551						
1881000	3.309155	4.469059						
1882000	3.46864	4.327486						
1883000	3.381433	3.923523						
1884000	3.623195	4.160055						
1885000	3.612168	4.488161						
1886000	3.300615	7.482245						
1887000	4.410062	4.517229						

1888000	4.057598	5.001431						
1889000	4.110771	4.64477						
1890000	3.952733	4.65476						
1891000	4.07897	4.717451						
1892000	3.84002	4.502983						
1893000	4.03413	4.597187						
1894000	3.943454	4.591236						
1895000	3.819912	4.564747						
1896000	3.682472	4.447738						
1897000	3.615404	4.481978						
1898000	6.781682	6.779491						
1899000	3.661945	4.596022						
1900000	4.026723	4.600978						
1901000	4.166585	4.561433						
1902000	3.777818	4.137279						
1903000	3.629942	4.441781						
1904000	3.947082	4.735642						
1905000	3.869066	4.715101						
1906000	2.988593	4.606446						
1907000	3.678604	4.625111						
1908000	3.680688	4.408126						
1909000	3.898908	4.759867						
1910000	3.785936	4.66243						
1911000	3.62537	4.680269						
1912000	3.397763	4.645645						
1913000	3.918363	4.529606						
1914000	3.810976	4.562174						
1915000	3.764016	4.767797						
1916000	3.656687	4.204626						
1917000	3.368683	4.687659						
1918000	2.938905	4.184174						
1919000	3.651221	4.575134						



1920000	3.303536	4.541592						
1921000	3.518668	4.5667						
1922000	3.6293	4.442716						
1923000	3.531732	4.794904						
1924000	2.849701	4.523329						
1925000	3.347156	4.492543						
1926000	3.760111	4.165128						
1927000	5.172022	7.329837						
1928000	3.794741	4.665493						
1929000	3.639387	4.685709						
1930000	3.888579	4.528237						
1931000	3.766594	4.655567						
1932000	3.628123	4.300891						
1933000	3.806939	4.546748						
1934000	3.778291	4.463407						
1935000	3.653335	4.589403						
1936000	3.598374	4.573721						
1937000	3.602928	4.56297						
1938000	3.775406	4.448909						
1939000	3.480442	4.604106						
1940000	3.666156	4.04702						
1941000	3.678277	4.539681						
1942000	3.524924	4.430322						
1943000	3.284765	4.47676						
1944000	3.524922	4.296853						
1945000	3.520511	4.346326						
1946000	3.535399	4.441461						
1947000	3.708109	4.200406						
1948000	3.56896	4.41336						
1949000	3.591633	4.474493						
1950000	3.770128	4.518809						
1951000	3.712941	4.192125						

1952000	3.744023	4.687545						
1953000	3.653739	4.59617						
1954000	3.726962	4.381959						
1955000	3.807149	4.442754						
1956000	3.691355	4.610227						
1957000	3.676685	4.186642						
1958000	3.797061	4.675182						
1959000	3.597997	4.435065						
1960000	3.613017	4.270888						
1961000	3.473941	4.715476						
1962000	3.543761	4.402799						
1963000	3.407322	4.536523						
1964000	3.593576	4.532619						
1965000	3.537036	4.15839						
1966000	3.572219	4.368449						
1967000	3.540365	4.597525						
1968000	3.624403	4.607851						
1969000	3.571641	4.614714						
1970000	3.505324	4.3785						
1971000	3.711854	4.581567						
1972000	3.637513	4.531577						
1973000	3.639404	4.203451						
1974000	3.766382	4.591488						
1975000	3.535598	4.512591						
1976000	3.75907	4.123933						
1977000	3.428544	4.495493						
1978000	3.835612	4.422468						
1979000	3.808843	4.508463						
1980000	3.744152	4.748166						
1981000	3.650881	4.569782						
1982000	3.719701	4.597243						
1983000	3.396798	4.557158						

1984000	3.750956	4.488143						
1985000	3.557885	4.505622						
1986000	3.69157	3.874453						
1987000	3.66152	4.601509						
1988000	3.605403	4.700643						
1989000	3.536404	4.409637						
1990000	3.48296	4.546098						
1991000	3.548092	4.512097						
1992000	3.485306	4.458917						
1993000	3.455368	4.46916						
1994000	3.598402	4.398212						
1995000	3.613023	4.28099						
1996000	3.379159	4.354793						
1997000	3.835062	4.552261						
1998000	3.766192	4.466927						
1999000	3.739225	4.573724						
2000000	3.737054	4.709658						
2001000	3.531375	4.580333						
2002000	3.543574	4.701197						
2003000	3.501647	4.443388						
2004000	3.494563	4.539709						
2005000	3.604558	4.529676						
2006000	3.552293	4.553284						
2007000	3.621595	4.507571						
2008000	3.339564	4.366147						
2009000	3.596228	4.499573						
2010000	3.638847	4.568513						
2011000	3.482953	4.265963						
2012000	3.447663	4.512048						
2013000	3.53741	4.401281						
2014000	3.628051	4.30669						
2015000	3.55548	4.506318						

2016000	3.544841	4.511011						
2017000	3.615064	4.571198						
2018000	3.729671	4.463048						
2019000	3.499653	4.549901						
2020000	3.760295	4.439066						
2021000	3.635779	4.39981						
2022000	3.703694	4.345699						
2023000	3.622018	4.771779						
2024000	3.789037	4.480264						
2025000	3.559137	4.714078						
2026000	3.463015	4.387539						
2027000	3.348111	4.264025						
2028000	3.592599	4.689236						
2029000	3.6445	4.509838						
2030000	3.680664	4.315678						
2031000	3.638582	4.585883						
2032000	3.57135	4.639727						
2033000	3.597259	4.463476						
2034000	3.634623	4.273718						
2035000	3.559791	4.509675						
2036000	3.688869	4.412006						
2037000	3.695797	4.529553						
2038000	3.409189	4.374646						
2039000	3.585098	4.314819						
2040000	3.705152	4.137581						
2041000	3.746716	4.645745						
2042000	3.690189	4.419808						
2043000	3.502052	4.567844						
2044000	3.680162	4.456498						
2045000	3.64116	4.412127						
2046000	3.222907	4.424525						
2047000	3.518561	4.248476						

2048000	3.237519	4.347747						
2049000	3.521802	4.418506						
2050000	3.559421	4.737072						
2051000	3.521195	4.329995						
2052000	3.270321	4.364697						
2053000	3.746026	4.482601						
2054000	3.52559	4.414221						
2055000	3.690392	4.341271						
2056000	3.72021	4.549106						
2057000	3.534897	4.484702						
2058000	3.588266	4.331465						
2059000	3.349896	4.259646						
2060000	3.595858	4.358832						
2061000	3.663803	4.608043						
2062000	3.793089	4.506079						
2063000	3.256992	4.188344						
2064000	3.68839	4.613837						
2065000	3.75802	4.781801						
2066000	3.764925	4.232249						
2067000	3.470585	4.54395						
2068000	3.368252	4.576875						
2069000	3.699792	4.48784						
2070000	3.553608	4.451473						
2071000	3.703263	4.576529						
2072000	3.608107	4.452431						
2073000	3.690538	4.407515						
2074000	3.530655	4.630267						
2075000	3.636461	4.555777						
2076000	3.666422	4.490634						
2077000	3.539586	4.574714						
2078000	3.63832	4.551572						
2079000	3.768825	4.585739						

2080000	3.707536	4.514372						
2081000	3.622432	4.307343						
2082000	3.837252	4.423477						
2083000	3.542351	4.39998						
2084000	3.616546	4.510969						
2085000	3.597522	4.624541						
2086000	3.762572	4.446544						
2087000	3.437413	4.721949						
2088000	3.640237	4.33799						
2089000	3.39552	4.307695						
2090000	3.484087	4.47319						
2091000	3.335791	4.295584						
2092000	3.400663	4.491955						
2093000	3.421681	4.726424						
2094000	3.475838	4.4645						
2095000	3.603887	4.563967						
2096000	3.469054	3.887857						
2097000	3.367494	4.220121						
2098000	3.592359	4.297036						
2099000	3.720089	4.498629						
2100000	3.693312	4.487766						
2101000	3.624168	4.478735						
2102000	3.378291	4.292346						
2103000	3.58405	4.676636						
2104000	3.615824	4.525321						
2105000	3.602727	4.547325						
2106000	3.677621	4.572464						
2107000	3.598051	4.51447						
2108000	3.839709	4.477821						
2109000	3.772033	4.661177						
2110000	3.79275	4.507187						
2111000	3.622758	4.297684						

2112000	3.499702	4.390017						
2113000	3.180611	4.533295						
2114000	3.606496	4.72835						
2115000	3.620229	4.574126						
2116000	3.609625	4.599374						
2117000	3.489765	4.365417						
2118000	3.407452	4.207218						
2119000	3.700379	4.299835						
2120000	3.825053	4.472299						
2121000	3.715654	4.490454						
2122000	3.720532	4.307954						
2123000	3.708147	4.766355						
2124000	3.627433	4.372459						
2125000	3.575992	4.614343						
2126000	3.71046	4.634998						
2127000	3.748824	4.514465						
2128000	3.382505	4.511197						
2129000	3.828103	4.678519						
2130000	3.455855	4.210851						
2131000	3.049532	5.083345						
2132000	2.693992	4.84083						
2133000	2.759416	5.017615						
2134000	2.665894	4.644311						
2135000	2.723859	4.857726						
2136000	2.751438	4.889738						
2137000	2.875476	4.996814						
2138000	2.709929	4.897541						
2139000	2.818295	5.002034						
2140000	2.672356	4.556894						
2141000	2.593947	4.828065						
2142000	2.810974	5.001599						
2143000	2.841584	4.841856						

2144000	2.874934	4.812611						
2145000	2.941686	4.677077						
2146000	2.372026	4.565244						
2147000	2.81679	4.873294						
2148000	2.74866	4.982501						
2149000	2.864856	4.982748						
2150000	2.778186	5.178657						
2151000	2.693324	4.611446						
2152000	2.714891	4.782259						
2153000	2.612408	4.757764						
2154000	2.870711	5.01601						
2155000	2.836211	5.019887						
2156000	2.757836	4.897058						
2157000	2.774396	4.902784						
2158000	2.794117	4.90549						
2159000	2.743969	4.368856						
2160000	2.845419	5.279335						
2161000	2.686528	6.913796						
2162000	2.314086	4.32928						
2163000	3.022889	4.715585						
2164000	2.822096	4.958211						
2165000	2.862523	4.642733						
2166000	2.675487	4.845068						
2167000	2.710166	4.675531						
2168000	2.611552	4.85747						
2169000	2.573431	4.919838						
2170000	2.639596	4.838029						
2171000	2.676035	4.703009						
2172000	2.586855	4.81357						
2173000	2.509194	5.061077						
2174000	2.551478	4.864725						
2175000	2.58024	5.088021						



2176000	2.683869	4.968686						
2177000	2.579498	4.71339						
2178000	2.499913	4.841073						
2179000	2.533668	5.045927						
2180000	2.630828	4.697695						
2181000	2.668219	5.059081						
2182000	2.601416	4.828876						
2183000	2.595011	4.850508						
2184000	2.740546	4.895808						
2185000	2.671487	4.575251						
2186000	2.681696	5.014407						
2187000	2.55187	5.138931						
2188000	2.680217	5.098215						
2189000	2.675555	5.034308						
2190000	2.70673	8.563392						
2191000	2.609266	4.005009						
2192000	2.627814	4.940127						
2193000	2.639514	4.737824						
2194000	2.63361	4.783549						
2195000	2.632262	4.943088						
2196000	2.571783	4.821903						
2197000	2.617967	4.903803						
2198000	2.554427	4.840115						
2199000	2.618567	4.84008						
2200000	2.4984	4.739453						
2201000	2.444904	5.065139						
2202000	2.61083	4.920653						
2203000	2.656017	5.166669						
2204000	2.784705	4.77863						
2205000	2.641127	5.03251						
2206000	2.57731	4.882974						
2207000	2.732338	4.870537						

2208000	2.689538	4.720206						
2209000	2.579086	4.82629						
2210000	2.463477	5.12493						
2211000	2.532285	5.170247						
2212000	2.529363	5.113378						
2213000	2.519392	4.977635						
2214000	2.581123	4.959473						
2215000	2.532456	4.89519						
2216000	2.489745	5.092364						
2217000	2.431518	4.859412						
2218000	2.4751	4.937478						
2219000	2.537211	4.845341						
2220000	2.647368	5.251729						
2221000	2.595879	5.005423						
2222000	2.563265	4.884542						
2223000	2.682959	4.963928						
2224000	2.615112	4.839766						
2225000	2.620076	4.951638						
2226000	2.627697	4.9191						
2227000	2.596005	4.740456						
2228000	2.500649	4.73054						
2229000	2.507282	5.028354						
2230000	2.575022	4.968739						
2231000	2.613218	5.118977						
2232000	2.588607	4.903807						
2233000	2.606717	4.911125						
2234000	2.603336	4.954058						
2235000	2.549482	4.984739						
2236000	2.458775	4.945688						
2237000	2.581681	4.668459						
2238000	2.351787	5.101958						
2239000	2.498665	4.557392						

2240000	2.644597	4.675397						
2241000	2.686719	5.114848						
2242000	2.611756	5.006791						
2243000	2.569328	4.95352						
2244000	2.616657	4.947715						
2245000	2.609632	4.948105						
2246000	2.637564	4.909445						
2247000	2.608191	4.911216						
2248000	2.594921	4.961349						
2249000	2.587535	4.580637						
2250000	2.51529	4.785749						
2251000	2.54098	4.813095						
2252000	2.490185	5.134725						
2253000	2.701461	4.814531						
2254000	2.294129	4.898774						
2255000	2.542243	4.809626						
2256000	2.43131	4.652968						
2257000	2.498596	5.120445						
2258000	2.534404	4.880752						
2259000	2.482939	4.905003						
2260000	2.509265	5.058914						
2261000	2.540721	4.858564						
2262000	2.42736	5.082066						
2263000	2.428897	4.773603						
2264000	2.469152	5.013508						
2265000	2.520777	4.998644						
2266000	2.454503	4.642438						
2267000	2.57598	4.833242						
2268000	2.687134	5.096576						
2269000	2.618806	4.665851						
2270000	2.538237	4.94256						
2271000	2.627371	4.990271						

2272000	2.648532	5.101065						
2273000	2.556775	4.862046						
2274000	2.661337	4.989098						
2275000	2.602078	5.0473						
2276000	2.595818	4.8472						
2277000	2.624586	4.832004						
2278000	2.535249	4.829508						
2279000	2.590269	4.608518						
2280000	2.52111	4.894396						
2281000	2.519261	4.672134						
2282000	2.541961	5.166653						
2283000	2.421007	4.884274						
2284000	2.688696	5.172879						
2285000	2.861695	4.949754						
2286000	2.891788	4.957897						
2287000	2.989199	5.134822						
2288000	2.960413	5.078663						
2289000	2.921402	5.024693						
2290000	2.930399	5.027299						
2291000	2.998214	5.048157						
2292000	2.904345	4.964753						
2293000	2.749521	4.991196						
2294000	2.806609	4.863244						
2295000	2.793032	5.114153						
2296000	2.975592	4.648362						
2297000	2.861984	4.897993						
2298000	2.951032	5.095376						
2299000	2.853873	5.019693						
2300000	2.713227	5.006968						
2301000	2.913261	4.847684						
2302000	2.765593	4.911648						
2303000	2.745414	4.966153						

2304000	2.828513	4.964319						
2305000	2.803755	4.84648						
2306000	2.810733	4.952959						
2307000	2.800694	5.045084						
2308000	2.804113	4.65538						
2309000	2.825248	4.566917						
2310000	2.818818	4.783765						
2311000	2.813134	5.143792						
2312000	2.820809	4.969851						
2313000	2.785791	5.100243						
2314000	2.908523	5.17804						
2315000	2.928718	4.950342						
2316000	2.699808	5.02027						
2317000	2.826545	5.051291						
2318000	2.855537	5.090328						
2319000	2.746516	4.969896						
2320000	2.835279	4.992404						
2321000	2.775135	5.126844						
2322000	2.747977	5.011827						
2323000	2.705618	4.917362						
2324000	2.662878	5.09513						
2325000	2.707041	4.854776						
2326000	2.734402	4.904809						
2327000	2.795536	4.887209						
2328000	2.686636	4.755326						
2329000	2.726803	4.84247						
2330000	2.834431	4.442236						
2331000	2.661342	4.579956						
2332000	2.792266	4.960816						
2333000	2.888174	4.993831						
2334000	2.766772	5.001096						
2335000	2.759377	5.075317						

2336000	2.961413	5.035581						
2337000	2.813222	4.930522						
2338000	2.906388	5.005381						
2339000	2.853017	4.937842						
2340000	2.737139	4.843499						
2341000	2.841357	4.822179						
2342000	2.801861	4.828261						
2343000	2.665777	4.888011						
2344000	2.822947	4.764						
2345000	2.758734	5.083617						
2346000	2.684113	4.917614						
2347000	2.967578	4.810908						
2348000	2.765207	5.009468						
2349000	2.754678	4.896547						
2350000	2.811822	4.852257						
2351000	2.752942	4.818915						
2352000	2.851438	4.863887						
2353000	2.777003	4.881532						
2354000	2.864482	4.877888						
2355000	2.838944	4.894075						
2356000	2.808033	4.828017						
2357000	2.762524	4.905206						
2358000	2.736532	4.546231						
2359000	2.841427	4.63058						
2360000	2.676604	4.799909						
2361000	2.524355	4.582813						
2362000	2.762689	4.515863						
2363000	2.763932	4.765923						
2364000	2.687742	4.653616						
2365000	2.642133	4.468029						
2366000	2.767774	4.942551						
2367000	2.597901	4.77604						

2368000	2.673732	4.677252						
2369000	2.729684	4.754592						
2370000	2.714401	4.608911						
2371000	2.703872	4.633934						
2372000	2.738057	4.933833						
2373000	2.761158	4.933368						
2374000	2.712912	4.979674						
2375000	2.700174	5.183903						
2376000	2.436425	4.646219						
2377000	2.904036	4.904602						
2378000	2.71008	4.515321						
2379000	2.877646	4.625598						
2380000	2.957138	4.831918						
2381000	2.744725	4.618266						
2382000	2.884086	4.574345						
2383000	2.797052	4.854287						
2384000	2.816947	4.671963						
2385000	2.946156	4.819411						
2386000	2.776817	4.864135						
2387000	2.749879	4.897027						
2388000	2.752882	4.857565						
2389000	2.799188	4.806394						
2390000	2.7368	4.913919						
2391000	2.731056	4.952477						
2392000	2.830841	4.764012						
2393000	2.823113	4.898972						
2394000	2.574191	4.95456						
2395000	2.581716	4.820449						
2396000	2.604618	4.937902						
2397000	2.716759	4.784711						
2398000	2.632829	4.666954						
2399000	2.518434	4.906532						

2400000	2.582217	4.927223						
2401000	2.694434	4.910704						
2402000	2.641566	4.869779						
2403000	2.691811	4.859297						
2404000	2.599329	4.81244						
2405000	2.53263	4.62827						
2406000	2.695659	4.60139						
2407000	2.506899	4.88057						
2408000	2.430795	4.857363						
2409000	2.416259	4.936318						
2410000	2.526214	5.043024						
2411000	2.504424	4.940223						
2412000	2.538141	5.084816						
2413000	2.579501	5.082767						
2414000	2.565729	4.911305						
2415000	2.689802	4.786132						
2416000	2.560882	5.098315						
2417000	2.630043	4.493045						
2418000	2.608212	5.197245						
2419000	2.648145	4.682241						
2420000	2.270675	5.079661						
2421000	2.514424	5.156827						
2422000	2.520432	4.748018						
2423000	2.514189	4.703752						
2424000	2.519755	4.677844						
2425000	2.620617	4.969016						
2426000	2.511231	4.818704						
2427000	2.565765	4.947627						
2428000	2.527372	4.963308						
2429000	2.593545	4.889008						
2430000	2.525366	4.852075						
2431000	2.471148	4.904926						



2432000	2.636939	4.871061						
2433000	2.613749	4.83042						
2434000	2.785823	4.679918						
2435000	2.538676	5.007936						
2436000	2.453241	4.83342						
2437000	2.517284	4.857221						
2438000	2.44662	5.186281						
2439000	2.364336	4.158726						
2440000	2.817871	5.028049						
2441000	2.605396	4.900697						
2442000	2.643487	4.829662						
2443000	2.636236	4.895148						
2444000	2.589576	4.842392						
2445000	2.522942	4.928958						
2446000	2.605065	4.824918						
2447000	2.448502	4.997103						
2448000	2.606452	5.145834						
2449000	2.436505	4.77631						
2450000	2.613581	4.703377						
2451000	2.516324	4.962771						
2452000	2.516072	4.764052						
2453000	2.526479	4.961415						
2454000	2.578301	4.956741						
2455000	2.557407	5.022711						
2456000	2.602563	4.606685						
2457000	2.613082	5.070728						
2458000	2.656938	4.927702						
2459000	2.849946	4.866816						
2460000	2.833567	4.770694						
2461000	2.734159	4.8906						
2462000	2.89641	5.067541						
2463000	2.839101	4.826175						

2464000	2.94119	4.878528						
2465000	2.93941	4.928877						
2466000	2.935481	4.931443						
2467000	2.884286	5.186897						
2468000	2.884017	5.127796						
2469000	3.017289	5.043459						
2470000	2.776706	5.144119						
2471000	2.806908	5.161287						
2472000	2.706574	4.861955						
2473000	2.705669	4.817639						
2474000	2.69835	4.905287						
2475000	2.68217	4.92251						
2476000	2.785885	4.904185						
2477000	2.770364	4.831152						
2478000	2.764261	4.91391						
2479000	2.784901	4.874444						
2480000	2.890564	5.111097						
2481000	2.982896	5.183822						
2482000	2.917146	4.792822						
2483000	2.816041	5.018535						
2484000	2.981006	4.781368						
2485000	2.872893	4.802446						
2486000	2.775371	4.720086						
2487000	2.783	4.951121						
2488000	2.755358	4.791555						
2489000	2.825971	4.829129						
2490000	2.774448	4.901097						
2491000	2.75896	5.112323						
2492000	2.760867	4.814925						
2493000	2.67091	4.82983						
2494000	2.844328	4.779291						
2495000	2.749826	4.881385						

2496000	2.80902	5.000857						
2497000	2.698677	4.773981						
2498000	2.854844	4.625153						
2499000	2.823722	4.918096						
2500000	2.882041	4.736918						
2501000	2.831107	5.00678						
2502000	2.91838	4.835687						
2503000	2.834068	4.615961						
2504000	2.830696	4.527375						
2505000	4.202525	4.553457						
2506000	2.628685	4.842925						
2507000	2.864931	4.914759						
2508000	2.816841	4.900033						
2509000	2.780875	4.934683						
2510000	2.684507	4.795487						
2511000	2.67055	4.910139						
2512000	2.705548	4.92061						
2513000	2.727933	4.779802						
2514000	2.693418	4.858629						
2515000	2.780254	4.718084						
2516000	2.54074	4.850493						
2517000	2.716114	5.123682						
2518000	2.712569	5.14108						
2519000	2.73735	4.856398						
2520000	2.746808	4.981258						
2521000	2.745172	4.849237						
2522000	2.817174	4.655725						
2523000	2.786441	4.870508						
2524000	2.735056	4.851229						
2525000	2.923609	4.824245						
2526000	2.871892	4.979455						
2527000	2.830553	4.854198						

2528000	2.888229	5.011878						
2529000	2.912415	4.681897						
2530000	2.669342	4.91926						
2531000	2.713103	4.897311						
2532000	2.685865	4.721357						
2533000	2.740389	4.953404						
2534000	2.756405	4.82987						
2535000	2.737827	5.090303						
2536000	2.67412	5.078178						
2537000	2.704074	5.050541						
2538000	2.694867	4.87601						
2539000	2.752945	4.822001						
2540000	2.713988	4.725802						
2541000	2.764088	5.125237						
2542000	2.755148	4.874144						
2543000	2.95164	4.694728						
2544000	2.695962	4.797812						
2545000	2.810745	4.838346						
2546000	2.789529	5.035254						
2547000	2.744392	5.088218						
2548000	2.825762	5.099983						
2549000	2.750089	4.991505						
2550000	2.702669	4.760217						
2551000	2.72378	4.9553						
2552000	2.885235	4.830478						
2553000	2.828002	4.882939						
2554000	2.720234	4.86766						
2555000	2.757529	5.22846						
2556000	2.760506	4.89542						
2557000	2.783061	4.804426						
2558000	2.505907	4.998056						
2559000	2.510489	4.890615						

2560000	2.641782	4.977588						
2561000	2.643275	5.045604						
2562000	2.660628	4.927029						
2563000	2.5907	4.551166						
2564000	2.715691	4.784263						
2565000	2.79797	4.932863						
2566000	2.739968	4.999032						
2567000	2.851703	4.664715						
2568000	2.74403	4.704768						
2569000	2.671525	4.887686						
2570000	2.652286	5.074002						
2571000	2.591611	4.86165						
2572000	2.685432	4.910225						
2573000	2.715925	4.83971						
2574000	2.667201	4.820679						
2575000	2.722	4.946586						
2576000	2.682999	4.937787						
2577000	2.723833	4.773292						
2578000	2.72195	4.804984						
2579000	2.650591	5.059804						
2580000	2.569608	5.021436						
2581000	2.625751	5.029272						
2582000	2.726172	4.912304						
2583000	2.689583	5.169603						
2584000	2.60696	5.059151						
2585000	2.78415	4.807609						
2586000	2.724235	4.873049						
2587000	2.763856	4.957294						
2588000	2.785358	4.907104						
2589000	2.655503	4.890877						
2590000	2.563514	4.890183						
2591000	2.638997	4.981572						

2592000	2.676522	4.929173						
2593000	2.723935	4.924141						
2594000	2.607629	4.920187						
2595000	2.729966	4.687058						
2596000	2.679543	4.821869						
2597000	2.714862	4.893434						
2598000	2.801281	4.7412						
2599000	2.684381	4.861267						
2600000	2.54855	4.877678						
2601000	2.565669	5.013258						
2602000	2.593883	5.075013						
2603000	2.669621	4.843993						
2604000	2.654679	4.802544						
2605000	2.66958	4.925414						
2606000	2.755701	4.820339						
2607000	2.858566	4.850474						
2608000	2.716405	4.814479						
2609000	2.710664	4.770183						
2610000	2.527689	5.154714						
2611000	2.73853	5.075683						
2612000	2.52497	5.072713						
2613000	2.696915	4.998294						
2614000	2.652808	4.577902						
2615000	2.719019	5.04487						
2616000	2.736168	4.87956						
2617000	2.87615	4.59811						
2618000	2.621199	5.0355						
2619000	2.625657	4.993568						
2620000	2.697457	4.905911						
2621000	2.642181	5.188309						
2622000	2.745199	4.988934						
2623000	2.666897	4.751622						

2624000	2.777224	4.919551						
2625000	2.847436	4.595982						
2626000	2.830048	5.067772						
2627000	2.727834	4.875039						
2628000	2.769063	4.765102						
2629000	2.578824	5.193307						
2630000	2.711053	5.160467						
2631000	2.7105	4.983532						
2632000	2.691429	4.922937						
2633000	2.652779	4.81449						
2634000	3.206423	4.835546						
2635000	3.182552	4.891516						
2636000	3.258372	4.667189						
2637000	3.099489	4.8171						
2638000	2.813375	5.080488						
2639000	3.059397	4.709734						
2640000	3.125616	5.090202						
2641000	3.112126	5.151656						
2642000	3.030515	4.684767						
2643000	3.18107	4.819912						
2644000	3.042656	4.8928						
2645000	3.181381	4.7603						
2646000	3.128	4.948598						
2647000	2.903583	5.033526						
2648000	3.054778	5.119831						
2649000	2.983269	5.121611						
2650000	2.978734	4.868125						
2651000	2.994564	4.678386						
2652000	3.055311	5.017113						
2653000	3.034946	4.827316						
2654000	3.182379	4.785094						
2655000	3.024811	4.794855						

2656000	2.693782	4.697068					
2657000	2.914018	5.085545					
2658000	2.973696	5.108347					
2659000	2.894592	4.564269					
2660000	2.934436	4.789385					
2661000	2.937655	4.852695					
2662000	2.961427	4.725251					
2663000	2.894809	4.992745					
2664000	2.768988	4.883086					
2665000	2.900413	5.167578					
2666000	2.715214	4.894687					
2667000	2.923217	4.874415					
2668000	2.930835	4.793059					
2669000	2.972574	4.819079					
2670000	2.974666	4.634105					
2671000	2.776993	5.047036					
2672000	2.872482	5.063502					
2673000	2.945446	5.086087					
2674000	2.842291	4.894801					
2675000	2.866485	4.778587					
2676000	2.916334	4.774114					
2677000	2.861585	4.992164					
2678000	2.850788	4.900515					
2679000	2.747061	5.069266					
2680000	2.95568	7.848555					
2681000	2.564575	4.809187					
2682000	2.955005	4.736741					
2683000	2.846428	4.757183					
2684000	3.890384	4.410172					
2685000	2.71947	4.796611					
2686000	2.789456	4.80724					
2687000	2.803634	4.749979					



2688000	2.837425	4.899322						
2689000	2.768722	4.805099						
2690000	2.784894	4.894476						
2691000	2.826757	5.005013						
2692000	2.836614	4.683197						
2693000	2.630952	4.926817						
2694000	2.792997	4.904294						
2695000	2.773331	4.995749						
2696000	2.629628	4.592186						
2697000	2.659374	4.891128						
2698000	2.759829	4.923504						
2699000	2.94722	4.646977						
2700000	2.66314	5.042413						
2701000	2.747722	5.000384						
2702000	2.563515	4.859173						
2703000	2.685551	4.872517						
2704000	2.724357	4.787916						
2705000	2.710624	5.004077						
2706000	2.890749	4.705198						
2707000	2.673936	5.115072						
2708000	2.634003	5.128946						
2709000	2.72388	5.091096						
2710000	2.673132	4.833639						
2711000	2.772198	4.863654						
2712000	2.749275	4.872246						
2713000	2.729002	4.798608						
2714000	2.583485	5.062511						
2715000	2.42233	5.068538						
2716000	2.683657	5.084147						
2717000	2.699346	4.614667						
2718000	2.738074	4.905601						
2719000	2.764671	4.884107						

2720000	2.836813	4.832766						
2721000	2.616661	4.906263						
2722000	2.697316	5.062779						
2723000	2.614238	4.855104						
2724000	2.608191	4.647033						
2725000	2.698285	4.927337						
2726000	2.779869	4.932575						
2727000	2.707438	4.970509						
2728000	2.212757	5.119187						
2729000	2.630328	4.927381						
2730000	2.710873	4.750418						
2731000	2.698745	4.917739						
2732000	2.69333	4.976838						
2733000	2.841383	4.830302						
2734000	2.587508	4.941706						
2735000	2.661763	5.114034						
2736000	2.587672	4.846744						
2737000	2.794076	4.829347						
2738000	2.84431	5.009278						
2739000	2.754816	4.767648						
2740000	2.527479	5.006063						
2741000	2.452544	4.805459						
2742000	2.762099	4.664452						
2743000	2.803278	4.799731						
2744000	2.781265	4.887752						
2745000	2.729999	4.823655						
2746000	2.566117	4.794155						
2747000	2.665696	4.878662						
2748000	2.69358	5.016588						
2749000	2.693313	4.893997						
2750000	2.699077	4.837029						
2751000	2.879917	4.663827						

2752000	2.633395	5.041808						
2753000	2.71108	5.264553						
2754000	2.555059	4.98033						
2755000	2.725316	4.978156						
2756000	2.706195	4.741206						
2757000	2.668805	4.64006						
2758000	2.500262	4.822742						
2759000	2.634003	5.049885						
2760000	2.747164	4.592023						
2761000	2.838763	5.002133						
2762000	2.789476	4.969206						
2763000	2.714784	4.958809						
2764000	2.53545	4.915509						
2765000	2.665931	4.93844						
2766000	2.610327	5.017036						
2767000	2.744948	4.726005						
2768000	2.649308	5.05177						
2769000	2.728553	4.879937						
2770000	2.495606	4.945278						
2771000	2.612251	4.755132						
2772000	2.583318	4.747666						
2773000	2.629493	4.867248						
2774000	2.660199	4.876577						
2775000	2.578972	4.87187						
2776000	2.555455	4.864673						
2777000	2.594621	4.598339						
2778000	2.618342	4.710236						
2779000	2.692582	4.810947						
2780000	2.730562	4.865845						
2781000	2.53196	4.837199						
2782000	2.69039	5.303679						
2783000	2.67241	4.862018						

2784000	2.743517	4.793124						
2785000	2.745625	4.907947						
2786000	2.555097	4.946431						
2787000	2.664012	4.722363						
2788000	2.654448	4.559606						
2789000	2.608001	4.822139						
2790000	2.660138	4.853411						
2791000	2.64725	5.006153						
2792000	2.407119	4.917832						
2793000	2.667101	4.95605						
2794000	2.681932	4.892757						
2795000	2.670251	5.067628						
2796000	2.731002	4.970806						
2797000	2.536534	5.12745						
2798000	2.73571	4.829613						
2799000	2.737519	4.772036						
2800000	2.692565	5.081						
2801000	2.74084	4.94927						
2802000	2.53994	4.972282						
2803000	2.709584	5.10096						
2804000	2.700969	4.613456						
2805000	2.713979	4.811073						
2806000	2.691265	4.846173						
2807000	2.591667	5.028272						
2808000	3.026481	5.10287						
2809000	2.878837	4.683419						
2810000	5.138693	5.062936						
2811000	2.999471	4.817814						
2812000	2.953906	4.691313						
2813000	2.873882	4.790298						
2814000	2.868668	4.737021						
2815000	2.855727	4.998452						

2816000	2.867601	4.845639					
2817000	2.844213	4.996359					
2818000	2.8966	5.14314					
2819000	2.938563	5.067857					
2820000	2.883863	4.872242					
2821000	2.884848	4.837855					
2822000	3.000303	4.642495					
2823000	2.693306	4.879379					
2824000	2.851525	5.157367					
2825000	2.861635	4.650812					
2826000	2.951582	4.897776					
2827000	3.029108	5.09249					
2828000	3.018878	4.694013					
2829000	2.905804	5.154618					
2830000	2.872971	4.790883					
2831000	2.838679	4.931521					
2832000	2.879558	5.046125					
2833000	2.95785	4.631158					
2834000	2.836402	5.067892					
2835000	2.860277	4.978967					
2836000	2.817797	4.723039					
2837000	3.788087	4.605245					
2838000	2.889001	4.71297					
2839000	2.858856	4.799182					
2840000	2.905006	4.733134					
2841000	2.789068	4.833587					
2842000	2.912751	4.890115					
2843000	2.869056	4.693422					
2844000	2.879062	4.821105					
2845000	2.905027	4.890223					
2846000	2.995435	4.929988					
2847000	2.848505	4.872999					

2848000	2.868438	5.109032						
2849000	2.935067	4.668883						
2850000	2.927649	4.774777						
2851000	2.932209	4.965048						
2852000	2.754345	4.911102						
2853000	2.832231	4.947576						
2854000	2.804361	4.649022						
2855000	2.756565	4.97161						
2856000	2.897511	4.987242						
2857000	2.744859	4.813128						
2858000	2.759026	4.880595						
2859000	2.740989	4.686855						
2860000	2.886544	4.91914						
2861000	2.877782	4.567947						
2862000	2.798129	5.195418						
2863000	2.737169	5.128165						
2864000	2.767055	4.742923						
2865000	2.944578	4.694622						
2866000	2.929809	5.019477						
2867000	2.871235	5.048144						
2868000	2.881272	4.75411						
2869000	2.863779	4.70211						
2870000	2.839903	4.78661						
2871000	2.852602	4.846019						
2872000	2.769593	4.982899						
2873000	2.838802	4.980179						
2874000	2.97239	4.868273						
2875000	3.038035	4.683272						
2876000	2.965757	4.858553						
2877000	2.803807	5.114323						
2878000	2.802033	5.12324						
2879000	2.739424	4.974788						

2880000	2.865532	4.882221						
2881000	3.031165	5.028026						
2882000	2.795954	4.92844						
2883000	2.85485	5.093601						
2884000	2.85051	4.636304						
2885000	3.100585	4.805833						
2886000	2.868052	4.746956						
2887000	2.721493	5.290162						
2888000	2.769677	5.284263						
2889000	2.847204	4.904267						
2890000	2.858317	4.856226						
2891000	2.995376	4.883124						
2892000	2.835867	4.827934						
2893000	2.917887	4.965373						
2894000	2.872881	4.786195						
2895000	2.92642	4.987908						
2896000	2.711812	4.882802						
2897000	2.812337	5.108126						
2898000	2.666911	4.720369						
2899000	2.739721	4.982627						
2900000	3.038156	4.989835						
2901000	2.896656	4.819319						
2902000	2.972846	5.02814						
2903000	3.018696	4.835358						
2904000	3.091004	4.689316						
2905000	2.816632	4.862256						
2906000	2.993422	4.800614						
2907000	2.985236	4.944862						
2908000	3.052002	5.064808						
2909000	2.927579	5.03106						
2910000	2.93482	5.031005						
2911000	2.967594	4.88584						

2912000	3.020375	4.664484						
2913000	3.00817	4.722639						
2914000	2.788756	5.066328						
2915000	2.920971	4.834944						
2916000	2.961367	4.909316						
2917000	2.98811	4.679434						
2918000	2.53222	4.944259						
2919000	2.667574	4.87151						
2920000	2.733644	4.809285						
2921000	2.7426	4.776133						
2922000	2.617038	4.922472						
2923000	2.740433	5.157598						
2924000	2.744565	4.868013						
2925000	2.69377	5.165171						
2926000	2.742992	5.06573						
2927000	2.678507	5.012226						
2928000	2.671301	4.765609						
2929000	2.768416	5.079124						
2930000	2.686912	4.965576						
2931000	2.642313	5.028235						
2932000	2.636636	4.739837						
2933000	2.772418	4.970083						
2934000	2.752128	5.009139						
2935000	2.596214	5.026087						
2936000	2.656443	4.683019						
2937000	2.767509	4.777539						
2938000	2.668678	4.886904						
2939000	2.570627	4.823186						
2940000	2.563181	4.736124						
2941000	2.625538	4.77883						
2942000	2.678734	4.971241						
2943000	2.595013	5.088855						



2944000	2.557467	4.764746						
2945000	2.687469	4.90522						
2946000	2.737602	4.905971						
2947000	2.688189	5.168677						
2948000	2.698438	4.711574						
2949000	2.716303	4.813794						
2950000	2.745824	4.859149						
2951000	2.694862	4.985783						
2952000	2.651111	4.870799						
2953000	2.744923	4.881061						
2954000	2.730082	4.910475						
2955000	2.715771	5.086017						
2956000	2.736895	4.756898						
2957000	2.800934	4.794583						
2958000	2.561907	4.929388						
2959000	2.590868	4.993172						
2960000	2.81475	4.713318						
2961000	2.690745	4.920616						
2962000	2.606023	5.067234						
2963000	2.701286	5.180533						
2964000	2.646152	4.854277						
2965000	2.851477	4.840963						
2966000	2.59082	5.032525						
2967000	2.673601	5.2866						
2968000	2.764552	4.886555						
2969000	2.856789	4.830459						
2970000	2.570667	4.696261						
2971000	2.701861	5.103204						
2972000	2.90204	4.837536						
2973000	2.753043	4.780452						
2974000	2.552178	4.734414						
2975000	2.583008	4.982351						

2976000	2.657823	4.829568						
2977000	2.841297	4.929696						
2978000	2.631918	5.209443						
2979000	2.657145	4.873026						
2980000	2.69264	4.915575						
2981000	2.620537	4.902112						
2982000	2.589469	5.141148						
2983000	2.858365	4.932313						
2984000	3.144022	4.991552						
2985000	2.854007	5.000637						
2986000	2.905882	4.993305						
2987000	2.824843	4.523279						
2988000	2.968281	4.821261						
2989000	2.755478	4.911684						
2990000	2.961337	4.818578						
2991000	2.935411	4.725159						
2992000	3.111479	5.004016						
2993000	2.873772	5.020132						
2994000	2.908834	5.078229						
2995000	2.930695	4.830159						
2996000	3.077955	4.790875						
2997000	2.916997	5.009832						
2998000	2.885777	5.017517						
2999000	2.984322	4.901053						
3000000	2.999987	4.676989						
3001000	2.751544	4.879804						
3002000	2.929051	4.803495						
3003000	2.972385	4.879825						
3004000	2.956307	4.755363						
3005000	2.781219	4.903097						
3006000	2.887278	4.928699						
3007000	2.862575	4.82726						

3008000	2.786101	4.767629						
3009000	2.827803	4.846691						
3010000	2.891465	4.648883						
3011000	2.997656	4.874962						
3012000	3.010438	4.906587						
3013000	2.834988	4.873155						
3014000	2.972182	4.752895						
3015000	2.934223	4.673694						
3016000	2.958988	4.908016						
3017000	2.827898	4.855896						
3018000	2.856424	4.594698						
3019000	2.926957	4.896867						
3020000	2.671935	4.879853						
3021000	2.854642	4.866657						
3022000	2.822292	4.72969						
3023000	2.868732	4.660002						
3024000	2.72103	4.681327						
3025000	2.821654	4.843989						
3026000	5.07991	4.785949						
3027000	2.755934	4.768079						
3028000	2.744971	4.858935						
3029000	2.837147	4.787797						
3030000	3.022764	4.79216						
3031000	2.794303	4.798751						
3032000	2.767516	4.932254						
3033000	2.831283	4.843843						
3034000	2.817289	4.828309						
3035000	2.945246	4.945255						
3036000	2.788561	5.088518						
3037000	2.848597	4.699262						
3038000	2.895844	4.611259						
3039000	2.719757	4.994011						

3040000	2.814999	4.989896						
3041000	2.990329	4.735416						
3042000	2.833405	4.765624						
3043000	2.76059	4.981296						
3044000	2.765283	4.839741						
3045000	2.890121	4.887063						
3046000	2.82862	5.152547						
3047000	2.819867	5.10739						
3048000	2.874615	4.914124						
3049000	2.92713	5.213604						
3050000	2.787481	4.937466						
3051000	2.802686	5.030404						
3052000	2.865628	4.725386						
3053000	2.850406	4.69751						
3054000	2.681012	4.741187						
3055000	2.894822	4.774148						
3056000	2.812977	4.885063						
3057000	2.928389	5.027227						
3058000	2.813246	4.957464						
3059000	2.919909	4.975422						
3060000	3.001906	4.921076						
3061000	2.711912	5.013254						
3062000	2.806914	4.673367						
3063000	2.835865	4.858519						
3064000	2.713479	4.836834						
3065000	2.775405	4.943252						
3066000	2.720452	4.913341						
3067000	2.808321	4.737054						
3068000	2.764284	4.846653						
3069000	2.649796	4.744494						
3070000	2.721771	4.659875						
3071000	2.745481	4.914241						

3072000	2.757831	5.060714						
3073000	2.813129	4.943271						
3074000	2.781838	5.064785						
3075000	2.735495	5.046711						
3076000	2.851006	4.743046						
3077000	2.769692	4.920286						
3078000	2.71627	4.966817						
3079000	2.848047	4.831438						
3080000	2.804007	4.67225						
3081000	2.97862	4.913726						
3082000	2.876418	4.894022						
3083000	2.827391	4.939665						
3084000	2.9036	4.918371						
3085000	2.759176	4.939368						
3086000	2.783762	4.727325						
3087000	2.831978	4.9902						
3088000	2.584581	5.027966						
3089000	2.718045	4.869436						
3090000	2.807852	4.846704						
3091000	2.808603	4.943683						
3092000	2.819639	5.131215						
3093000	2.898644	4.955218						
3094000	2.809843	5.006207						
3095000	2.756221	4.793965						
3096000	2.858443	4.94981						
3097000	2.868718	4.454114						
3098000	2.776437	5.045362						
3099000	2.853632	4.778179						
3100000	2.934877	5.038698						
3101000	2.671249	5.008171						
3102000	2.673936	4.665871						
3103000	2.910368	4.930752						

3104000	2.641905	4.997096						
3105000	2.805336	4.562227						
3106000	2.860153	4.80972						
3107000	2.742135	4.959762						
3108000	2.747433	4.923536						
3109000	2.736943	4.927706						
3110000	2.785492	5.145792						
3111000	2.712427	5.158003						
3112000	2.718563	4.848047						
3113000	2.645311	4.669628						
3114000	2.650542	4.860996						
3115000	2.682402	4.950671						
3116000	2.751624	4.792627						
3117000	2.590723	5.110894						
3118000	2.702189	4.81961						
3119000	2.814549	5.091392						
3120000	2.665776	4.702427						
3121000	2.708096	4.621806						
3122000	2.883919	4.918524						
3123000	2.796542	4.935217						
3124000	2.75591	5.071393						
3125000	2.864808	4.921378						
3126000	2.764237	5.030438						
3127000	2.783011	4.801861						
3128000	2.743486	4.813569						
3129000	2.895228	4.864225						
3130000	2.789691	5.11123						
3131000	2.736717	4.897739						
3132000	2.752469	4.947325						
3133000	2.621302	4.647122						
3134000	2.686239	4.748555						
3135000	2.723774	4.924149						

3136000	2.725322	4.904109						
3137000	2.729129	4.870972						
3138000	2.825818	5.146398						
3139000	2.736492	4.914338						
3140000	2.815363	4.722216						
3141000	2.790815	4.927936						
3142000	2.722064	4.990676						
3143000	2.93533	4.759605						
3144000	2.824188	5.036905						
3145000	2.644592	4.978146						
3146000	2.762893	5.212116						
3147000	2.780611	4.767357						
3148000	2.842507	4.968835						
3149000	2.752935	4.958157						
3150000	2.7365	4.908652						
3151000	2.867737	4.970822						
3152000	2.639818	5.095719						
3153000	2.745232	4.968285						
3154000	2.611229	4.832563						
3155000	2.679582	5.012053						
3156000	2.728553	4.934512						
3157000	2.731952	4.997845						
3158000	3.018674	5.135285						
3159000	3.080384	4.774977						
3160000	3.194223	4.785565						
3161000	3.048225	4.885506						
3162000	3.069569	4.879875						
3163000	3.133399	4.860407						
3164000	3.153105	5.066222						
3165000	3.17848	4.833338						
3166000	3.194206	4.792029						
3167000	3.020102	4.993418						

3168000	3.177787	4.48178						
3169000	3.262737	4.846924						
3170000	3.050311	5.026489						
3171000	3.100614	4.703096						
3172000	3.033352	4.773668						
3173000	2.996598	4.987517						
3174000	3.088173	4.93091						
3175000	3.10846	4.683718						
3176000	3.126377	4.99781						
3177000	3.103879	5.081337						
3178000	3.076457	4.895325						
3179000	2.888223	5.081566						
3180000	2.913968	5.118632						
3181000	2.962052	4.85196						
3182000	2.989405	5.12305						
3183000	2.833081	5.023067						
3184000	2.86529	4.909148						
3185000	2.924465	4.936476						
3186000	2.994772	4.999776						
3187000	3.047371	4.837526						
3188000	2.993709	4.889213						
3189000	2.873856	4.781649						
3190000	2.88159	4.903065						
3191000	2.87153	5.168833						
3192000	2.892817	4.925997						
3193000	2.986717	4.66116						
3194000	2.773336	4.901296						
3195000	2.902157	4.83357						
3196000	2.913417	4.663321						
3197000	2.764836	5.057538						
3198000	2.735867	4.735525						
3199000	2.796689	4.883451						



3200000	2.752667	5.170165						
1000	3.354067	4.7212						
2000	3.765529	4.722443						
3000	5.022478	4.870426						
4000	4.696661	4.742428						
5000	5.035331	4.859067						
6000	4.849055	4.789866						
7000	4.92433	4.875234						
8000	4.983764	4.811442						
9000	5.131169	4.899008						
10000	4.829884	4.805505						
11000	5.101893	4.886536						
12000	4.166668	4.816099						
13000	4.276544	4.881552						
14000	4.263224	4.813641						
15000	4.681728	4.883964						
16000	4.37987	4.813106						
17000	4.456997	4.888739						
18000	4.445355	4.823064						
19000	4.500835	4.872053						
20000	4.392028	4.842667						
21000	4.374912	4.897402						
22000	4.538684	3.575553						
23000	4.577654	5.521364						
24000	4.540661	4.812451						
25000	4.983892	4.911162						
26000	4.391462	4.83593						
27000	4.677	4.893517						
28000	4.614269	4.830462						
29000	4.954197	4.891269						
30000	4.657535	4.840481						
31000	4.59577	4.902464						

32000	4.612319	4.844299						
33000	4.701336	4.907038						
34000	4.642431	4.838356						
35000	4.668852	4.908606						
36000	4.578597	4.841303						
37000	4.626889	4.90989						
38000	4.613219	4.844362						
39000	4.614668	4.906838						
40000	4.453853	4.845926						
41000	5.369427	5.362596						
42000	4.295928	4.053902						
43000	4.981673	3.973669						
44000	5.24198	5.193702						
45000	3.345626	4.938158						
46000	4.651669	4.846327						
47000	4.732796	4.918456						
48000	4.692871	5.450679						
49000	5.265556	4.902177						
50000	5.124775	4.839108						
51000	4.764419	4.906901						
52000	4.733279	4.852584						
53000	4.83486	4.911511						
54000	4.951359	4.857781						
55000	4.819279	4.912029						
56000	4.789001	4.855671						
57000	4.863363	4.915126						
58000	5.559408	3.887865						
59000	4.669137	4.918989						
60000	4.819483	4.848371						
61000	5.563012	4.909375						
62000	4.751754	4.850953						
63000	4.702758	4.906315						

64000	4.763344	4.854453						
65000	4.859014	4.909305						
66000	4.813144	4.845073						
67000	4.870151	4.918054						
68000	4.828872	4.861604						
69000	4.82169	4.915609						
70000	4.857861	4.851294						
71000	5.096622	3.616875						
72000	4.94019	4.840318						
73000	4.918352	5.15968						
74000	4.73963	5.176333						
75000	4.865121	4.919738						
76000	4.79639	4.852574						
77000	4.839082	4.904629						
78000	4.765421	4.855544						
79000	4.771443	4.916788						
80000	4.639584	4.854225						
81000	4.770565	4.915941						
82000	4.592458	4.848937						
83000	4.487304	4.914791						
84000	4.516334	4.852222						
85000	4.599651	4.9149						
86000	4.718352	5.192006						
87000	4.916551	4.173588						
88000	5.932754	4.835413						
89000	5.400109	6.996215						
90000	8.483897	8.591401						
91000	4.786143	4.923454						
92000	5.672894	4.84986						
93000	4.821419	4.921159						
94000	4.855142	4.859985						
95000	4.939558	4.585835						

96000	9.113914	4.733133						
97000	4.892995	4.912745						
98000	3.098958	4.847746						
99000	4.94892	4.915291						
100000	4.943686	4.846823						
101000	4.265778	4.960624						
102000	4.828789	4.857758						
103000	4.792323	4.916782						
104000	5.114634	3.948643						
105000	4.778822	6.82858						
106000	4.759977	5.253951						
107000	6.286472	4.288294						
108000	5.021267	4.951354						
109000	4.840171	4.91952						
110000	4.436547	4.859124						
111000	4.97892	4.91353						
112000	4.71131	6.670075						
113000	4.975504	4.684796						
114000	4.925771	4.84959						
115000	4.960029	5.007239						
116000	4.168827	3.164682						
117000	4.890434	9.780671						
118000	4.866011	4.92212						
119000	4.900598	4.910511						
120000	4.839842	5.718906						
121000	4.101051	4.203517						
122000	4.615074	4.856828						
123000	4.827916	4.918708						
124000	4.73479	4.858055						
125000	4.33822	4.731055						
126000	4.542674	4.853208						
127000	4.377984	7.17097						

128000	4.573351	6.593254						
129000	4.739311	4.91028						
130000	4.811307	4.85718						
131000	4.772374	4.921542						
132000	4.873662	4.814832						
133000	4.798027	4.917293						
134000	4.867843	4.937183						
135000	4.895959	4.941244						
136000	4.870896	4.948132						
137000	4.913743	4.91672						
138000	4.911536	4.880487						
139000	4.598708	3.826544						
140000	4.846589	7.987226						
141000	5.065963	4.75798						
142000	4.892598	4.852234						
143000	5.010047	4.916889						
144000	4.881277	4.760399						
145000	4.569538	5.014782						
146000	4.809028	4.633942						
147000	4.901738	4.92464						
148000	4.770942	4.854922						
149000	4.89557	5.007606						
150000	4.917873	4.858673						
151000	4.683131	3.919698						
152000	4.021873	6.357282						
153000	5.019357	4.912581						
154000	4.999749	4.84617						
155000	4.878035	4.91664						
156000	4.998018	4.764051						
157000	6.05609	4.919812						
158000	4.8954	4.94077						
159000	4.417848	4.914002						

160000	4.886164	4.857033						
161000	4.911777	5.09789						
162000	4.853548	4.953203						
163000	4.886853	5.075638						
164000	4.748871	5.234243						
165000	4.784142	4.921705						
166000	4.792822	4.850845						
167000	4.8318	4.334499						
168000	4.633603	4.986471						
169000	4.543299	4.917805						
170000	4.625922	4.846176						
171000	4.866942	4.899231						
172000	4.739121	4.854893						
173000	4.726121	4.304785						
174000	4.824134	4.858137						
175000	4.705235	5.508444						
176000	4.69321	4.848929						
177000	4.877133	4.912017						
178000	4.877671	4.727965						
179000	4.893831	4.488593						
180000	4.85825	4.841265						
181000	4.931726	4.914483						
182000	4.903213	4.942316						
183000	4.968633	5.010619						
184000	4.712718	4.856347						
185000	4.945525	5.046541						
186000	4.925501	4.475788						
187000	4.667698	4.878971						
188000	4.811458	4.850814						
189000	4.897254	4.912897						
190000	4.812246	4.814158						
191000	4.807127	4.947835						

192000	4.582596	4.861447						
193000	4.940078	4.914963						
194000	5.0974	5.134966						
195000	4.883313	4.919546						
196000	4.908166	4.859413						
197000	4.984501	5.210496						
198000	4.818138	4.941569						
199000	4.960935	4.626391						
200000	4.923226	5.169408						
201000	4.920314	4.91474						
202000	4.988815	4.826581						
203000	4.916161	4.915375						
204000	5.007373	4.634644						
205000	4.88867	4.91642						
206000	4.823261	4.939217						
207000	4.89379	4.313263						
208000	4.75677	4.543747						
209000	4.595818	4.912124						
210000	4.629962	4.839981						
211000	4.720509	5.253325						
212000	4.57075	4.142313						
213000	4.121673	4.598957						
214000	4.640199	3.522415						
215000	4.505966	4.992848						
216000	4.781494	4.867368						
217000	4.713839	4.818614						
218000	4.821638	4.964232						
219000	4.81609	4.650494						
220000	4.751546	4.994636						
221000	4.350617	4.913117						
222000	4.991141	4.856724						
223000	4.905711	5.087815						

224000	4.95698	4.754909					
225000	5.238522	4.335762					
226000	4.767982	4.94461					
227000	4.984461	4.855045					
228000	4.810204	4.910424					
229000	4.857758	4.911321					
230000	4.867045	4.663798					
231000	4.724194	4.893578					
232000	4.343139	4.851385					
233000	4.776314	4.91352					
234000	5.045352	4.853619					
235000	5.081277	5.103278					
236000	5.044255	4.95567					
237000	4.505674	4.871492					
238000	4.897061	4.850747					
239000	4.753699	4.907927					
240000	5.236656	4.507655					
241000	4.481867	4.933433					
242000	4.834173	4.856738					
243000	4.902637	5.013578					
244000	4.884058	5.196999					
245000	4.413496	4.326953					
246000	5.339165	4.192424					
247000	4.756264	4.872727					
248000	4.496463	4.911545					
249000	4.190954	4.908046					
250000	4.771236	4.817619					
251000	4.927253	5.004304					
252000	4.556799	4.852629					
253000	4.531992	4.909436					
254000	4.469017	4.843775					
255000	4.690999	5.152579					



256000	4.409889	4.843487						
257000	5.077357	4.910914						
258000	5.229975	4.820676						
259000	4.886786	4.908117						
260000	4.763123	5.867952						
261000	4.486826	4.857369						
262000	4.806444	4.938671						
263000	4.864656	4.921497						
264000	3.820399	5.201449						
265000	4.222685	4.988965						
266000	4.977187	4.848963						
267000	4.939776	4.929257						
268000	4.903336	4.855973						
269000	5.309474	5.435127						
270000	5.149068	4.869302						
271000	4.736343	4.788217						
272000	4.838177	4.933606						
273000	4.922926	4.914601						
274000	5.046415	4.812311						
275000	4.821568	4.900986						
276000	4.77698	5.307001						
277000	4.756523	4.911577						
278000	4.876066	4.83898						
279000	5.05951	4.075439						
280000	4.805084	4.855961						
281000	4.697755	4.909254						
282000	4.827489	4.841412						
283000	5.154989	4.852855						
284000	4.900457	5.161328						
285000	4.939546	4.581482						
286000	5.357144	4.954537						
287000	4.877881	4.913589						

288000	4.775752	4.885103						
289000	4.658278	4.907059						
290000	4.796731	4.780719						
291000	4.725446	5.395393						
292000	4.395615	4.843834						
293000	4.773508	4.896681						
294000	4.735399	4.846784						
295000	4.415682	5.227614						
296000	4.574275	5.014423						
297000	3.783395	4.823641						
298000	4.22051	4.958397						
299000	4.593381	4.889618						
300000	4.653292	5.071142						
301000	4.796437	4.904067						
302000	4.97075	4.350441						
303000	4.776653	4.907436						
304000	4.871919	4.850254						
305000	5.126451	4.656905						
306000	4.739694	4.792922						
307000	5.192179	4.861124						
308000	4.819563	4.849098						
309000	4.837113	4.871969						
310000	4.904095	4.846804						
311000	4.938505	4.918249						
312000	4.932328	4.94428						
313000	4.014281	5.505275						
314000	4.659615	4.769597						
315000	4.848701	4.874138						
316000	4.999623	4.276278						
317000	5.206108	4.909263						
318000	4.749319	4.923797						
319000	4.535529	4.212818						

320000	4.779565	4.862608						
321000	4.93361	5.432091						
322000	4.549786	4.704561						
323000	4.325477	4.268913						
324000	4.882042	4.857018						
325000	4.710652	4.903664						
326000	5.172381	4.695955						
327000	4.849151	4.826541						
328000	5.293912	4.789201						
329000	5.59289	4.300629						
330000	4.231668	4.829604						
331000	4.865204	4.906467						
332000	4.823788	5.485511						
333000	4.681245	4.86396						
334000	4.704629	4.84456						
335000	4.716175	5.009799						
336000	3.801514	5.062485						
337000	4.665088	4.703354						
338000	4.529286	5.007409						
339000	4.427297	4.875587						
340000	4.732997	4.984476						
341000	4.485991	5.196333						
342000	3.373652	4.851037						
343000	4.71509	4.907714						
344000	5.14543	4.662753						
345000	4.917967	4.907529						
346000	4.914278	4.786675						
347000	5.127648	3.948449						
348000	4.563235	4.511895						
349000	4.753067	4.893756						
350000	4.565095	4.933917						
351000	5.451291	4.66695						

352000	4.48627	4.836247						
353000	4.913653	5.043873						
354000	5.298332	4.70012						
355000	3.683602	4.883349						
356000	5.033034	5.011286						
357000	4.226176	4.885017						
358000	4.853393	4.851274						
359000	4.602155	4.866963						
360000	4.491111	4.922923						
361000	4.734447	4.259221						
362000	4.688599	4.818816						
363000	4.88072	4.240562						
364000	4.729183	4.857929						
365000	4.7758	4.359669						
366000	4.816557	4.774188						
367000	4.822702	5.014976						
368000	4.942284	4.822161						
369000	4.703877	5.364717						
370000	4.271528	4.551551						
371000	4.056181	5.024997						
372000	4.600341	4.742838						
373000	4.595447	4.823704						
374000	4.679957	4.851598						
375000	4.637072	4.868811						
376000	4.500353	4.792118						
377000	3.937532	4.929721						
378000	4.661767	5.309736						
379000	4.416198	3.955294						
380000	4.522753	4.850604						
381000	4.457385	5.176317						
382000	4.51816	3.996378						
383000	4.347521	5.228496						

384000	4.379921	4.853557						
385000	4.876287	4.667999						
386000	4.399203	4.791572						
387000	4.559368	5.606666						
388000	4.488114	4.629235						
389000	4.742055	4.668521						
390000	4.824687	4.779243						
391000	4.695262	5.612263						
392000	3.868536	4.730733						
393000	4.995162	4.726343						
394000	4.835582	4.338807						
395000	4.848972	5.129346						
396000	4.627622	4.763339						
397000	4.746016	4.94139						
398000	5.283281	4.988323						
399000	4.698561	4.763605						
400000	4.641374	4.964084						
401000	4.776241	4.875372						
402000	4.663053	4.749739						
403000	4.427048	5.26445						
404000	4.861757	4.692132						
405000	4.519464	4.800488						
406000	4.707478	4.977684						
407000	4.4259	4.845724						
408000	4.533857	4.803422						
409000	5.220366	4.734427						
410000	4.924533	3.645481						
411000	4.357229	4.758865						
412000	4.579964	4.774477						
413000	4.477135	4.816721						
414000	5.294038	4.669266						
415000	4.753826	4.782705						

416000	4.868024	3.806457						
417000	4.230375	4.836115						
418000	4.686024	4.668288						
419000	4.671908	4.825733						
420000	4.564482	4.466535						
421000	4.897782	4.44492						
422000	4.637254	4.667302						
423000	4.262544	5.016304						
424000	4.110889	4.799677						
425000	4.010762	4.670081						
426000	4.398974	3.675158						
427000	4.408745	4.82052						
428000	4.916212	4.316214						
429000	4.248526	4.807459						
430000	4.461105	4.952261						
431000	4.770827	4.748463						
432000	4.687977	4.763262						
433000	4.614572	5.112751						
434000	3.877137	4.711691						
435000	4.512619	4.654199						
436000	3.614928	4.327429						
437000	4.576842	4.706214						
438000	4.605808	3.946599						
439000	3.590064	4.999866						
440000	4.270175	4.756279						
441000	4.251461	4.825573						
442000	4.798813	4.869647						
443000	4.845744	4.769204						
444000	4.556001	4.486452						
445000	4.917629	5.037787						
446000	4.11341	4.832832						
447000	4.15195	5.214814						

448000	4.026865	4.75645						
449000	4.728744	4.767651						
450000	4.935027	5.19818						
451000	4.154441	4.717211						
452000	4.623072	4.695581						
453000	4.566383	4.772313						
454000	4.539648	5.188285						
455000	4.498286	5.139711						
456000	4.861158	4.5033						
457000	4.318332	4.64894						
458000	4.520503	5.018855						
459000	4.614396	4.244885						
460000	3.624744	4.506449						
461000	4.232123	4.600283						
462000	4.202543	4.72169						
463000	4.389557	5.241081						
464000	4.251977	4.727864						
465000	4.440087	4.289316						
466000	4.256366	4.727126						
467000	3.747656	4.750006						
468000	4.360246	4.981415						
469000	4.237901	4.764699						
470000	4.341114	4.497797						
471000	4.411573	4.635089						
472000	4.704522	4.144693						
473000	4.372143	4.841914						
474000	4.518905	4.803529						
475000	4.546339	4.777531						
476000	4.461094	4.601282						
477000	5.039457	4.568269						
478000	4.390931	4.700199						
479000	4.400037	4.307749						

480000	4.486171	4.732275						
481000	4.897924	4.629389						
482000	4.683256	4.149788						
483000	4.299106	4.697661						
484000	4.473712	4.952937						
485000	4.453043	3.859157						
486000	4.499468	4.662988						
487000	4.502296	4.528678						
488000	4.27905	4.718266						
489000	4.256753	5.199691						
490000	4.019435	4.735749						
491000	4.337479	5.062302						
492000	4.332167	3.986176						
493000	4.189141	4.873924						
494000	4.281139	4.872971						
495000	4.221716	4.812998						
496000	3.760694	5.084331						
497000	4.60995	4.552812						
498000	4.363853	4.574762						
499000	4.281507	4.924034						
500000	4.04628	4.664826						
501000	4.427343	4.754566						
502000	4.703058	3.876262						
503000	4.150474	4.787696						
504000	4.609952	4.272406						
505000	4.382729	4.846232						
506000	4.307581	4.614018						
507000	4.853271	4.528979						
508000	4.245933	4.668238						
509000	4.19858	4.608929						
510000	4.347115	4.673739						
511000	4.185235	3.745602						



512000	3.981442	4.481061						
513000	4.317402	4.632608						
514000	4.651183	4.515924						
515000	4.29059	4.875949						
516000	4.322806	4.755286						
517000	4.056216	4.662802						
518000	4.50722	4.616778						
519000	4.175456	4.719891						
520000	4.704086	4.78437						
521000	4.364439	4.635497						
522000	4.287147	4.371523						
523000	4.021413	4.458207						
524000	4.380061	4.583023						
525000	4.397948	4.793205						
526000	4.739146	4.493863						
527000	4.16676	4.78198						
528000	4.662781	4.608122						
529000	4.387126	4.672868						
530000	4.575171	4.967275						
531000	4.044668	4.239653						
532000	4.113301	4.712109						
533000	4.16817	5.207677						
534000	2.994459	4.407227						
535000	4.548439	4.633953						
536000	4.114998	4.733758						
537000	4.482057	4.870971						
538000	4.182305	4.708446						
539000	4.527596	4.656718						
540000	3.893073	4.529625						
541000	4.390923	4.463566						
542000	4.077416	4.106465						
543000	4.559008	4.681029						

544000	4.68942	4.481978					
545000	4.372713	4.458967					
546000	4.714355	4.571592					
547000	4.380185	4.574537					
548000	3.978584	4.851936					
549000	3.732409	4.625702					
550000	4.079007	5.245003					
551000	3.97674	4.449993					
552000	4.168833	4.853904					
553000	4.522648	4.58676					
554000	4.087132	4.564438					
555000	4.111705	4.670295					
556000	4.368521	4.539026					
557000	4.099614	5.051595					
558000	3.787421	4.711188					
559000	4.161546	4.491139					
560000	3.806152	4.569236					
561000	4.381052	4.758124					
562000	3.929574	4.271202					
563000	4.28241	4.263553					
564000	4.119527	4.565349					
565000	4.334915	3.823742					
566000	4.611811	4.640902					
567000	5.425534	4.021498					
568000	4.124932	4.606398					
569000	5.008927	4.710962					
570000	3.903799	4.386893					
571000	4.039492	3.266973					
572000	4.586321	4.450651					
573000	4.505822	4.795951					
574000	4.554195	4.110857					
575000	4.741919	4.657009					

576000	4.246639	4.671752						
577000	4.304637	4.685654						
578000	4.363553	4.499883						
579000	4.463312	4.694982						
580000	3.893416	4.794729						
581000	4.072191	4.526307						
582000	4.243522	4.326078						
583000	4.309558	4.643114						
584000	4.232523	4.659737						
585000	4.314292	4.61394						
586000	4.127139	4.693909						
587000	4.157283	4.642306						
588000	4.079548	4.947568						
589000	4.04524	4.697525						
590000	4.353635	4.473847						
591000	4.443959	4.425139						
592000	3.919781	4.296641						
593000	4.002957	4.572031						
594000	4.154545	4.511232						
595000	3.797403	4.615497						
596000	3.949261	4.321188						
597000	3.808191	4.629519						
598000	4.168648	4.580129						
599000	4.089495	4.672907						
600000	4.188255	3.861086						
601000	3.900072	4.813253						
602000	4.341069	4.521858						
603000	4.269315	4.556384						
604000	4.126585	4.611163						
605000	3.996292	4.455876						
606000	4.257581	4.791426						
607000	4.078893	4.496775						

608000	4.132993	4.224031						
609000	3.95981	4.250241						
610000	4.020686	4.491901						
611000	4.207787	4.878151						
612000	4.153631	3.900492						
613000	4.087316	4.444774						
614000	4.23057	4.550982						
615000	3.977903	4.601102						
616000	4.362116	4.443967						
617000	3.951988	4.65405						
618000	4.185243	4.572314						
619000	3.798405	4.623736						
620000	4.127903	4.46492						
621000	4.192979	4.691402						
622000	4.009263	4.292852						
623000	4.235352	4.479511						
624000	4.385065	4.346768						
625000	4.03083	4.640741						
626000	4.339259	4.455675						
627000	4.137671	4.552761						
628000	3.604048	3.996577						
629000	4.090434	4.861596						
630000	3.933282	4.651474						
631000	4.2567	4.857317						
632000	3.856805	4.73665						
633000	4.055521	4.497601						
634000	4.141844	4.391373						
635000	4.218314	4.095598						
636000	3.790386	4.438311						
637000	4.092134	4.843988						
638000	3.886569	4.519911						
639000	4.220289	4.442411						

640000	3.725015	4.783996						
641000	3.549627	4.677823						
642000	4.229822	4.670907						
643000	4.089457	4.589652						
644000	3.82748	4.75079						
645000	3.943997	4.516996						
646000	4.042253	4.585298						
647000	3.294961	4.525985						
648000	4.027192	4.102652						
649000	4.244141	3.955573						
650000	3.835846	4.23251						
651000	4.013271	4.382897						
652000	4.014303	4.450923						
653000	4.271846	4.809204						
654000	4.169929	4.713665						
655000	3.768223	4.524936						
656000	4.109162	3.890354						
657000	4.092115	5.026473						
658000	3.563362	4.329436						
659000	4.334283	4.413361						
660000	4.200801	4.569651						
661000	4.113529	4.397729						
662000	3.968093	4.46321						
663000	3.549827	4.728905						
664000	3.923616	4.808622						
665000	4.149992	4.453343						
666000	3.929241	4.774709						
667000	4.068919	4.545739						
668000	4.157192	4.834656						
669000	3.903755	4.609033						
670000	4.126542	4.456831						
671000	4.200528	4.474291						

672000	4.365417	4.47949						
673000	4.01646	4.537996						
674000	4.093094	3.734492						
675000	4.05352	4.796356						
676000	3.812616	4.460027						
677000	4.221013	4.53211						
678000	4.005314	4.746099						
679000	3.943273	4.440508						
680000	3.949932	4.574147						
681000	3.511264	4.772526						
682000	3.811679	4.671172						
683000	3.827478	4.513984						
684000	4.069971	4.642456						
685000	3.758553	4.495259						
686000	4.334113	4.363802						
687000	3.900332	4.636913						
688000	3.905536	4.325793						
689000	4.030495	3.86411						
690000	3.709957	4.314269						
691000	4.061349	4.586892						
692000	4.097696	4.422123						
693000	4.218471	4.482287						
694000	3.972224	4.700379						
695000	3.68696	4.707361						
696000	3.97693	4.22804						
697000	3.784775	4.507783						
698000	3.52264	4.453495						
699000	4.199793	4.457449						
700000	4.242279	4.53523						
701000	3.957291	4.66447						
702000	4.418888	3.939647						
703000	3.835915	4.276672						

704000	3.934672	4.570984						
705000	3.523202	4.566911						
706000	4.227825	4.496371						
707000	3.427468	4.457175						
708000	4.2012	4.522014						
709000	3.987131	4.526493						
710000	4.164822	3.804322						
711000	3.942944	4.647496						
712000	3.598024	4.537011						
713000	4.02838	4.832225						
714000	3.875691	4.343194						
715000	4.044663	4.47683						
716000	4.216215	3.957318						
717000	3.832534	4.029595						
718000	3.979295	3.922274						
719000	3.908715	4.453881						
720000	4.307532	4.472954						
721000	3.851761	4.812867						
722000	3.782507	4.308284						
723000	3.786103	4.787893						
724000	3.70767	3.89343						
725000	3.720305	4.600457						
726000	3.439558	4.398523						
727000	3.734437	4.424087						
728000	3.779815	4.484083						
729000	3.809198	4.260053						
730000	3.53778	4.382954						
731000	4.01244	4.45088						
732000	3.900054	4.907657						
733000	4.046777	4.257664						
734000	3.904049	4.709252						
735000	3.808151	4.484081						

736000	3.930853	4.738548						
737000	3.901871	4.399727						
738000	4.038896	4.755938						
739000	3.906571	4.536571						
740000	3.786673	4.589204						
741000	3.929214	4.373338						
742000	4.104666	4.555901						
743000	4.17455	3.929192						
744000	3.935424	4.160702						
745000	3.373086	4.53706						
746000	4.159621	3.85026						
747000	3.79662	4.787663						
748000	4.010745	4.405381						
749000	3.951955	4.015879						
750000	3.995876	4.435581						
751000	3.944111	4.514151						
752000	3.892093	4.746212						
753000	3.54558	4.389812						
754000	4.022851	4.467155						
755000	4.024232	4.829659						
756000	3.790013	4.504829						
757000	3.900992	4.478089						
758000	3.47348	4.643795						
759000	3.573982	4.509765						
760000	4.069902	4.56164						
761000	3.845791	4.719455						
762000	3.459251	4.421214						
763000	4.11219	4.495593						
764000	3.854263	4.641546						
765000	4.007262	4.490597						
766000	3.662177	4.387805						
767000	3.827089	4.143232						



768000	3.871381	4.396825						
769000	3.827986	4.185538						
770000	3.755903	4.436662						
771000	4.115144	4.256385						
772000	3.7433	3.967904						
773000	3.843951	4.693621						
774000	3.887292	4.401949						
775000	3.456383	4.56304						
776000	3.927553	4.390974						
777000	3.941001	4.369493						
778000	3.827308	4.578748						
779000	3.719099	4.377832						
780000	4.052808	4.249353						
781000	3.836236	3.909551						
782000	3.904099	4.097947						
783000	3.777833	4.319469						
784000	3.786818	4.555175						
785000	4.022053	4.486352						
786000	3.98899	4.877715						
787000	4.014343	4.56883						
788000	3.331227	4.444176						
789000	3.546494	3.925546						
790000	3.841313	4.4225						
791000	3.85438	3.868768						
792000	4.04952	4.22518						
793000	3.781794	4.244732						
794000	3.820178	4.33827						
795000	4.170383	4.410859						
796000	3.831192	3.919548						
797000	3.911957	4.36791						
798000	3.900287	4.424841						
799000	3.809033	4.544131						

800000	3.990217	4.630377						
801000	4.197554	4.453809						
802000	4.004412	4.553604						
803000	3.88532	4.665618						
804000	4.122137	4.361931						
805000	3.814664	4.000285						
806000	3.749706	4.377801						
807000	4.077039	4.502125						
808000	3.73629	4.457411						
809000	3.679629	4.206047						
810000	3.542284	4.481516						
811000	3.92775	4.423034						
812000	3.798081	4.523128						
813000	3.476789	4.391274						
814000	3.797638	4.523741						
815000	3.733046	4.362665						
816000	3.367305	4.522744						
817000	3.812627	4.531559						
818000	3.791459	4.014777						
819000	3.62467	4.625674						
820000	3.809568	4.39668						
821000	3.424442	4.824762						
822000	3.513018	4.412402						
823000	3.535077	4.626162						
824000	3.853604	4.636368						
825000	3.771352	4.668768						
826000	3.919556	4.413045						
827000	3.508594	3.761396						
828000	3.836989	4.616254						
829000	3.908404	4.413448						
830000	3.98686	4.528566						
831000	3.708983	4.689264						

832000	3.865611	4.444964						
833000	3.495623	4.402272						
834000	4.039315	4.429237						
835000	3.904903	4.515783						
836000	3.770466	4.473902						
837000	3.858546	4.608116						
838000	3.83306	4.548605						
839000	3.192296	4.229798						
840000	4.057175	4.279343						
841000	3.454176	4.436907						
842000	3.836347	4.211916						
843000	3.826585	4.602165						
844000	4.044807	3.888318						
845000	3.799319	4.622386						
846000	3.489421	4.318584						
847000	4.080401	4.537729						
848000	3.831662	4.292851						
849000	3.77154	4.138082						
850000	3.966294	4.377664						
851000	3.666997	4.478446						
852000	3.605461	4.68809						
853000	3.431216	4.586383						
854000	3.744151	4.490601						
855000	3.771217	4.797784						
856000	3.73534	4.600021						
857000	3.642333	4.908647						
858000	3.682583	4.292141						
859000	3.740264	4.66079						
860000	3.80205	4.353323						
861000	4.076773	4.282778						
862000	3.987276	4.215506						
863000	3.365665	4.467371						

864000	3.606748	4.756863						
865000	3.778377	4.506599						
866000	3.923744	4.680477						
867000	3.88472	4.489648						
868000	3.446813	4.387635						
869000	4.153701	4.412289						
870000	3.909058	4.363235						
871000	4.071142	4.398912						
872000	3.638188	4.404479						
873000	3.670665	4.316771						
874000	3.760448	5.049643						
875000	3.735575	4.562027						
876000	3.412412	4.278334						
877000	3.537887	4.354531						
878000	3.879814	4.26712						
879000	3.959687	4.170666						
880000	3.910313	4.377302						
881000	3.991109	4.143369						
882000	3.674455	4.880374						
883000	3.814115	4.611966						
884000	3.873202	4.539674						
885000	3.938705	4.380589						
886000	3.476571	4.380132						
887000	4.000345	4.454682						
888000	3.795627	4.426229						
889000	4.020338	4.445549						
890000	3.831877	4.277182						
891000	3.821957	4.036344						
892000	3.759892	3.87306						
893000	3.826559	4.472069						
894000	3.610789	4.134969						
895000	3.525237	4.592177						

896000	3.126428	4.294745						
897000	3.534602	4.432013						
898000	3.808339	4.809991						
899000	3.657837	4.456865						
900000	3.699489	3.813187						
901000	3.875908	4.20407						
902000	3.82522	4.07409						
903000	3.815281	4.894928						
904000	3.606716	4.428489						
905000	3.612608	4.564048						
906000	3.817682	4.07224						
907000	3.811067	4.326282						
908000	3.961282	4.173341						
909000	3.787978	4.398904						
910000	3.944739	4.667099						
911000	3.847429	4.711551						
912000	3.87047	4.41327						
913000	3.997121	4.301203						
914000	4.011338	4.063285						
915000	3.762156	4.609222						
916000	3.79285	4.663345						
917000	3.614472	4.460469						
918000	3.673026	4.473931						
919000	3.533475	3.830847						
920000	3.740175	4.252478						
921000	3.036701	4.545897						
922000	3.315413	4.447205						
923000	3.739898	4.369086						
924000	4.106938	4.394941						
925000	3.842561	4.406545						
926000	3.865718	4.435627						
927000	3.421501	4.457765						

928000	3.9461	3.955516					
929000	3.83947	4.347131					
930000	3.983546	4.539422					
931000	3.783584	4.57294					
932000	3.894146	4.48031					
933000	3.863251	4.536773					
934000	3.774828	4.602992					
935000	3.651751	4.46996					
936000	3.303687	4.311627					
937000	3.43579	4.562687					
938000	3.809913	4.550065					
939000	3.640024	4.638569					
940000	3.596033	4.512648					
941000	3.710669	4.441504					
942000	3.894552	4.332418					
943000	3.776612	4.561354					
944000	3.801615	4.664043					
945000	3.780752	4.149171					
946000	3.799916	4.447829					
947000	3.853781	4.3078					
948000	3.58842	3.959632					
949000	3.711577	4.745307					
950000	3.774721	5.349314					
951000	4.493247	4.008104					
952000	3.724181	4.595727					
953000	4.018426	4.073704					
954000	3.977441	4.563119					
955000	4.069543	4.35129					
956000	4.079758	4.586356					
957000	3.205411	4.667344					
958000	3.867353	4.392167					
959000	3.784295	4.420769					

960000	3.881046	4.604841						
961000	3.316844	4.598507						
962000	3.750945	4.345345						
963000	3.819069	4.370396						
964000	3.677513	4.417957						
965000	3.79541	4.540809						
966000	3.665762	4.549469						
967000	3.517393	4.471199						
968000	3.668753	4.274264						
969000	3.973692	4.433041						
970000	3.785857	4.424376						
971000	4.043623	4.439841						
972000	3.446095	4.440132						
973000	3.669695	4.441602						
974000	3.973115	4.270923						
975000	3.899679	4.424335						
976000	3.962304	4.599102						
977000	3.754912	4.493164						
978000	3.686388	4.511019						
979000	3.678286	4.324543						
980000	3.696214	4.524355						
981000	3.711282	3.921842						
982000	3.636686	4.494837						
983000	3.732456	4.505128						
984000	3.627809	4.402786						
985000	3.590411	4.471011						
986000	3.909484	4.392543						
987000	3.80114	4.231978						
988000	3.843507	4.80219						
989000	3.685632	4.587536						
990000	3.829096	4.36819						
991000	4.048544	4.461828						

992000	3.970727	3.898125						
993000	3.458439	4.186155						
994000	3.788533	3.927843						
995000	3.456178	4.477781						
996000	3.627316	4.397901						
997000	3.820305	4.438974						
998000	3.655252	4.450235						
999000	3.801008	4.38496						
1000000	3.504491	3.931919						
1001000	3.548807	4.193623						
1002000	3.640598	4.534122						
1003000	3.222538	4.467333						
1004000	3.751218	4.153302						
1005000	3.682781	4.575118						
1006000	3.801698	4.575051						
1007000	3.749582	4.044131						
1008000	3.731962	4.173664						
1009000	3.813964	4.620921						
1010000	3.544211	4.539877						
1011000	3.810539	4.799141						
1012000	3.845755	4.463552						
1013000	3.795498	4.521704						
1014000	3.93645	3.965442						
1015000	3.8031	4.442808						
1016000	3.801197	4.762801						
1017000	3.767773	4.616416						
1018000	3.845906	4.094						
1019000	3.760912	4.368235						
1020000	3.756779	4.34589						
1021000	3.870076	4.441368						
1022000	3.636061	4.391401						
1023000	3.600874	4.701015						



1024000	3.614016	4.443943						
1025000	3.666062	4.427173						
1026000	3.247544	4.331358						
1027000	3.770717	4.266363						
1028000	3.903245	4.398965						
1029000	3.372886	4.558552						
1030000	3.662709	3.925241						
1031000	3.722459	4.233333						
1032000	3.559019	4.589336						
1033000	3.5668	4.630499						
1034000	3.493251	4.388814						
1035000	3.562039	4.417525						
1036000	3.47912	4.483498						
1037000	3.81613	4.400782						
1038000	3.830779	4.461916						
1039000	3.785722	4.704693						
1040000	3.856493	4.379187						
1041000	3.794671	4.165033						
1042000	3.762605	4.428647						
1043000	3.95312	4.363848						
1044000	3.92984	4.399948						
1045000	3.768383	4.624159						
1046000	3.78006	4.245082						
1047000	3.842212	4.444381						
1048000	3.871679	4.69319						
1049000	3.746506	4.522911						
1050000	3.229482	4.340797						
1051000	3.383339	4.512623						
1052000	3.941122	4.557681						
1053000	3.791368	4.603075						
1054000	3.91537	4.336099						
1055000	3.993332	4.29678						

1056000	3.792341	3.956923						
1057000	3.81073	4.186496						
1058000	3.915114	4.196239						
1059000	3.880687	4.403787						
1060000	3.7279	4.7768						
1061000	3.089546	4.328702						
1062000	3.360181	4.353675						
1063000	3.326555	4.289928						
1064000	3.867424	4.523478						
1065000	3.640855	4.432109						
1066000	3.761798	4.509737						
1067000	3.492998	3.994754						
1068000	3.523262	3.932397						
1069000	3.562228	4.345346						
1070000	3.717496	4.541546						
1071000	3.561738	4.024802						
1072000	3.678496	4.569891						
1073000	3.359845	4.43702						
1074000	6.028888	4.593168						
1075000	3.59255	4.978415						
1076000	3.611782	4.470851						
1077000	4.059917	4.952478						
1078000	3.732826	4.908862						
1079000	4.046802	4.78438						
1080000	4.094312	4.569483						
1081000	3.817573	4.822116						
1082000	3.83272	4.869622						
1083000	4.005211	4.848205						
1084000	4.112659	4.494115						
1085000	3.862697	4.019317						
1086000	3.957249	4.498946						
1087000	3.637885	4.860074						

1088000	3.902015	4.11866						
1089000	3.840204	4.518281						
1090000	3.903249	4.62745						
1091000	4.103169	4.455965						
1092000	3.859642	4.512241						
1093000	3.496271	4.382254						
1094000	3.554259	4.071201						
1095000	3.725677	4.263783						
1096000	3.817598	4.537712						
1097000	3.711494	4.299561						
1098000	3.909894	4.043357						
1099000	3.814205	4.230261						
1100000	3.849102	4.769568						
1101000	3.452923	4.680831						
1102000	3.555332	4.566146						
1103000	3.835771	4.496715						
1104000	3.023118	4.42925						
1105000	3.68468	4.114836						
1106000	3.770657	4.224792						
1107000	3.389	4.330613						
1108000	3.831197	4.411898						
1109000	3.214584	4.675053						
1110000	3.795888	4.640222						
1111000	3.372825	4.516347						
1112000	3.869246	4.323944						
1113000	3.592999	4.080094						
1114000	3.797899	4.394836						
1115000	3.733875	4.42693						
1116000	3.614825	3.719458						
1117000	3.775089	4.48959						
1118000	3.680537	4.952658						
1119000	3.591752	4.546632						

1120000	3.645608	4.554243						
1121000	6.189379	4.566922						
1122000	4.063743	4.599602						
1123000	4.222554	4.666871						
1124000	4.220159	4.547998						
1125000	4.068149	4.497844						
1126000	4.190839	4.60437						
1127000	4.115193	4.624095						
1128000	4.008593	4.502457						
1129000	3.964378	4.739713						
1130000	3.824046	4.59197						
1131000	3.932566	4.452056						
1132000	4.020757	4.397137						
1133000	3.92136	4.541128						
1134000	3.865691	4.523274						
1135000	3.83547	4.557034						
1136000	3.825929	4.369322						
1137000	3.799595	4.493875						
1138000	3.843698	4.490617						
1139000	3.823119	4.423						
1140000	3.932842	4.421273						
1141000	3.795253	4.394935						
1142000	3.588523	4.401399						
1143000	3.820745	4.509075						
1144000	3.865341	4.370086						
1145000	3.985235	3.566346						
1146000	3.824712	4.503715						
1147000	3.829861	4.595898						
1148000	3.486204	4.368391						
1149000	3.577744	4.55346						
1150000	3.653115	4.041442						
1151000	3.636902	4.577958						

1152000	3.541788	4.210361						
1153000	3.538542	4.419676						
1154000	3.318263	4.292956						
1155000	3.586725	4.36927						
1156000	3.587753	4.442608						
1157000	3.51833	4.572247						
1158000	3.640782	4.528609						
1159000	3.273062	4.513058						
1160000	3.46915	4.719389						
1161000	3.789338	4.299555						
1162000	3.605802	4.263921						
1163000	3.71348	4.354079						
1164000	3.715624	4.67132						
1165000	3.739825	4.294958						
1166000	3.788712	4.792197						
1167000	3.685225	4.253747						
1168000	3.875919	4.809926						
1169000	3.729879	4.159544						
1170000	3.813568	4.2759						
1171000	3.726236	4.3006						
1172000	3.59478	4.448726						
1173000	3.680731	4.39128						
1174000	3.604042	4.534961						
1175000	3.628772	4.430745						
1176000	3.664848	4.767711						
1177000	3.78163	4.278659						
1178000	3.737055	4.394437						
1179000	3.631102	4.357755						
1180000	3.747408	4.591292						
1181000	3.732429	4.288761						
1182000	3.862871	4.746386						
1183000	3.755726	4.547524						

1184000	3.662693	4.500456						
1185000	3.574446	4.633012						
1186000	3.752113	4.454673						
1187000	3.593164	4.513373						
1188000	3.842752	4.252467						
1189000	3.753019	4.505099						
1190000	3.87626	4.206696						
1191000	3.673363	4.573236						
1192000	3.636551	4.124715						
1193000	3.304696	4.584783						
1194000	3.765756	4.36222						
1195000	3.594733	4.519195						
1196000	3.632663	4.590121						
1197000	3.624776	4.304137						
1198000	3.653627	4.332511						
1199000	3.407817	4.2156						
1200000	3.541851	4.445915						
1201000	3.673876	4.663069						
1202000	3.933128	4.446171						
1203000	3.692692	4.656501						
1204000	3.784538	4.408767						
1205000	3.851899	4.437526						
1206000	3.84051	4.280374						
1207000	3.539101	4.441692						
1208000	3.938815	4.379538						
1209000	3.369374	4.695371						
1210000	3.701339	4.635336						
1211000	3.726167	4.433538						
1212000	3.946059	4.252163						
1213000	3.673767	4.538316						
1214000	3.668756	4.009772						
1215000	3.584999	3.970891						

1216000	3.592687	4.589012						
1217000	3.762089	4.613537						
1218000	3.635604	4.577617						
1219000	3.669311	4.51258						
1220000	3.77835	4.557171						
1221000	3.666888	4.767118						
1222000	3.696341	4.596081						
1223000	3.647833	6.850932						
1224000	4.340567	4.439663						
1225000	3.967903	4.70785						
1226000	3.554769	4.615044						
1227000	4.037531	4.702511						
1228000	4.107241	4.599345						
1229000	3.915873	4.56805						
1230000	3.916665	4.548663						
1231000	3.945719	4.499745						
1232000	3.918173	4.557702						
1233000	3.783582	4.57695						
1234000	3.686175	4.430256						
1235000	3.519881	4.421737						
1236000	3.501932	4.504968						
1237000	3.455566	4.486983						
1238000	3.540132	4.381314						
1239000	3.381901	4.4728						
1240000	3.492377	4.113404						
1241000	3.591667	4.26613						
1242000	3.558114	4.190926						
1243000	3.273496	4.254112						
1244000	3.689124	4.032588						
1245000	3.805541	4.490615						
1246000	3.781632	4.465129						
1247000	3.730753	4.406072						

1248000	3.537505	4.169553						
1249000	3.793616	4.510816						
1250000	3.472491	4.484199						
1251000	3.294872	4.512747						
1252000	3.726514	4.506585						
1253000	3.706916	4.410965						
1254000	3.456424	4.657715						
1255000	3.769873	4.134734						
1256000	3.661023	4.488527						
1257000	3.685441	4.515379						
1258000	3.645324	4.015088						
1259000	3.735935	4.242719						
1260000	3.694243	4.356362						
1261000	3.528243	4.436302						
1262000	3.881273	4.401529						
1263000	3.606479	4.281164						
1264000	3.478659	4.482706						
1265000	3.614854	4.701512						
1266000	3.672628	4.480828						
1267000	3.517394	4.556661						
1268000	3.578228	4.287855						
1269000	3.680318	4.665148						
1270000	3.776566	4.425369						
1271000	3.832527	4.032073						
1272000	3.726778	4.581515						
1273000	3.754816	4.406466						
1274000	3.768721	4.401665						
1275000	3.424167	4.533188						
1276000	3.571801	4.079568						
1277000	3.358877	4.391102						
1278000	3.58652	4.533771						
1279000	3.399427	4.684898						



1280000	3.481291	4.269836						
1281000	3.537489	4.547135						
1282000	3.519615	4.341307						
1283000	3.62611	4.354297						
1284000	3.688445	4.316972						
1285000	3.221414	4.529558						
1286000	3.80278	4.459413						
1287000	3.101662	4.324576						
1288000	3.368413	4.472086						
1289000	3.680354	4.678941						
1290000	3.689859	4.22027						
1291000	3.626753	4.678515						
1292000	3.66402	4.679568						
1293000	3.768421	4.485864						
1294000	3.642455	4.477406						
1295000	3.701207	4.467114						
1296000	3.455968	4.448764						
1297000	3.950427	4.495802						
1298000	3.769891	4.594512						
1299000	3.712602	4.625804						
1300000	3.653431	4.472191						
1301000	3.523864	4.551182						
1302000	3.70983	4.085054						
1303000	3.71542	4.387462						
1304000	3.727423	4.408246						
1305000	3.662742	4.375195						
1306000	3.921514	4.457778						
1307000	3.521984	4.627992						
1308000	3.588012	4.375373						
1309000	3.718225	4.752234						
1310000	3.646533	4.212575						
1311000	3.573477	4.080096						

1312000	3.559967	4.430753						
1313000	3.922696	4.445952						
1314000	3.632345	4.255388						
1315000	6.804314	4.995523						
1316000	4.216547	4.229846						
1317000	3.844681	4.937093						
1318000	3.948003	4.612499						
1319000	3.847027	4.95497						
1320000	3.938812	4.402788						
1321000	3.840518	4.6525						
1322000	3.876563	4.637687						
1323000	3.840532	4.335906						
1324000	3.615632	4.570888						
1325000	3.53077	4.588486						
1326000	3.662478	4.137598						
1327000	3.578564	4.526947						
1328000	3.802564	4.551856						
1329000	3.833497	4.38134						
1330000	3.767763	4.355412						
1331000	3.676328	4.386184						
1332000	3.245171	4.503073						
1333000	3.473519	4.441651						
1334000	3.634891	4.295853						
1335000	3.280563	4.725369						
1336000	3.645328	4.339957						
1337000	3.758446	4.278911						
1338000	3.50145	4.417877						
1339000	3.822709	4.380369						
1340000	3.898702	4.480973						
1341000	3.538173	4.44859						
1342000	3.457897	4.257297						
1343000	3.373786	4.742137						

1344000	3.704848	4.178787						
1345000	3.581519	4.161495						
1346000	3.635361	4.532054						
1347000	3.847836	4.416621						
1348000	3.630418	4.51783						
1349000	3.344551	4.575606						
1350000	3.414709	4.548868						
1351000	3.67594	4.538783						
1352000	3.945565	4.244741						
1353000	3.788594	4.478091						
1354000	3.618885	4.424152						
1355000	3.827572	4.445976						
1356000	3.773498	4.534984						
1357000	3.76704	4.595657						
1358000	3.766788	4.405746						
1359000	3.613336	4.292302						
1360000	3.740016	4.275303						
1361000	3.506078	4.754332						
1362000	3.480465	4.673982						
1363000	3.586081	4.401221						
1364000	3.487536	4.433997						
1365000	3.641085	4.624673						
1366000	3.557168	4.482572						
1367000	3.425645	4.82062						
1368000	3.55431	4.296826						
1369000	3.313744	4.489297						
1370000	3.639109	4.353613						
1371000	3.429097	4.427006						
1372000	3.271852	4.648431						
1373000	3.389898	4.620779						
1374000	3.675434	4.702028						
1375000	3.689744	4.158669						

1376000	3.80782	4.542073						
1377000	3.678686	4.46494						
1378000	3.817272	4.514488						
1379000	3.682509	4.729747						
1380000	3.747232	4.195723						
1381000	3.706917	4.370195						
1382000	3.657852	4.494781						
1383000	3.587722	4.469811						
1384000	3.640789	4.586164						
1385000	3.725663	4.66759						
1386000	3.748834	4.421239						
1387000	3.725958	4.597315						
1388000	3.426036	4.466695						
1389000	3.734102	4.565127						
1390000	3.594364	4.478194						
1391000	3.860474	4.593372						
1392000	3.689237	4.180843						
1393000	3.787304	4.564797						
1394000	3.619608	4.485008						
1395000	3.519582	4.497732						
1396000	3.472081	4.433536						
1397000	3.769531	4.496216						
1398000	3.942124	4.386897						
1399000	3.609418	4.501457						
1400000	3.541163	4.421646						
1401000	3.617622	4.586018						
1402000	3.754987	4.418941						
1403000	3.920435	4.282179						
1404000	3.538802	3.919072						
1405000	3.329887	4.354068						
1406000	3.547207	4.325175						
1407000	3.513226	4.538843						

1408000	3.298519	4.357485						
1409000	3.370586	4.580112						
1410000	3.396278	4.548824						
1411000	3.562331	4.313541						
1412000	3.834654	4.355395						
1413000	3.76336	4.527195						
1414000	3.588621	4.560954						
1415000	3.618963	4.562541						
1416000	3.647097	4.553293						
1417000	3.601398	4.543971						
1418000	3.769661	4.532843						
1419000	3.533807	4.701176						
1420000	3.669095	4.507865						
1421000	3.677327	4.066775						
1422000	3.696236	4.109275						
1423000	3.865754	4.487778						
1424000	3.765461	4.404715						
1425000	3.776621	4.309601						
1426000	3.511663	4.150607						
1427000	3.761107	4.547581						
1428000	3.630291	4.597029						
1429000	3.688375	4.639017						
1430000	3.62244	4.48099						
1431000	3.680612	4.448189						
1432000	3.820064	4.590244						
1433000	3.500348	4.230235						
1434000	3.723157	4.575935						
1435000	3.600892	4.71441						
1436000	3.853203	4.467172						
1437000	2.967797	4.572285						
1438000	3.586499	4.622528						
1439000	3.488948	4.070622						

1440000	3.796359	4.304235						
1441000	3.717063	4.282811						
1442000	3.771229	4.495702						
1443000	3.715075	4.158009						
1444000	3.796752	4.302901						
1445000	3.721702	4.373268						
1446000	3.329772	4.3023						
1447000	3.5573	4.429598						
1448000	3.629735	3.95302						
1449000	3.706613	4.501343						
1450000	3.559093	4.49905						
1451000	3.365177	4.208987						
1452000	3.459588	4.177479						
1453000	3.423082	4.328298						
1454000	3.337279	4.379337						
1455000	3.681613	4.630415						
1456000	3.642494	4.21293						
1457000	3.811001	4.401613						
1458000	3.482067	4.510096						
1459000	3.577028	4.497888						
1460000	3.620478	3.898609						
1461000	3.465776	4.418075						
1462000	3.485923	4.659861						
1463000	3.702923	4.607198						
1464000	3.66931	4.652081						
1465000	3.700663	4.451294						
1466000	3.424294	4.718069						
1467000	3.752815	4.421424						
1468000	3.748009	4.208934						
1469000	3.772826	4.536574						
1470000	3.487285	4.515832						
1471000	3.672113	4.718286						

1472000	3.509097	4.499035						
1473000	3.784308	4.507087						
1474000	3.605857	4.606754						
1475000	3.62737	4.548195						
1476000	3.646181	4.455976						
1477000	3.774155	4.646145						
1478000	3.305218	4.487777						
1479000	3.643375	4.450625						
1480000	3.456308	4.43317						
1481000	3.93897	4.53879						
1482000	3.727145	4.776665						
1483000	3.875111	4.444971						
1484000	4.044181	4.620239						
1485000	3.332005	4.456421						
1486000	3.848365	4.449434						
1487000	3.812472	4.487158						
1488000	3.279048	4.497962						
1489000	3.339354	4.786386						
1490000	3.709957	4.180003						
1491000	3.494155	4.501672						
1492000	3.2109	4.682643						
1493000	3.229105	4.931877						
1494000	3.369624	4.510554						
1495000	3.509775	4.388002						
1496000	3.632655	4.207861						
1497000	3.619452	4.284642						
1498000	3.809665	4.32329						
1499000	3.614215	4.401272						
1500000	3.74179	4.50294						
1501000	4.016416	4.437964						
1502000	3.743108	4.576763						
1503000	3.743371	4.331005						

1504000	3.308279	4.387744						
1505000	3.206687	4.655752						
1506000	3.450357	4.85142						
1507000	3.699565	4.42626						
1508000	3.27857	4.561067						
1509000	3.485373	4.810818						
1510000	3.64623	3.452134						
1511000	3.967153	4.447545						
1512000	3.302367	4.157541						
1513000	3.485019	4.204583						
1514000	3.783638	4.209819						
1515000	3.132875	4.112144						
1516000	3.732355	4.098151						
1517000	3.499389	4.286143						
1518000	4.481848	4.936941						
1519000	3.80575	4.532944						
1520000	3.861	4.583517						
1521000	3.922684	4.650271						
1522000	3.912698	4.567656						
1523000	3.925802	4.647016						
1524000	3.908841	4.608382						
1525000	3.861967	4.583564						
1526000	3.771406	4.570443						
1527000	3.566018	4.505015						
1528000	3.808469	3.994846						
1529000	3.115693	4.459764						
1530000	3.512075	4.6429						
1531000	3.617784	4.304254						
1532000	3.686377	4.412257						
1533000	3.430391	4.416394						
1534000	3.493237	4.066433						
1535000	3.518532	4.556298						



1536000	3.222076	4.05123						
1537000	3.51416	4.226473						
1538000	3.499449	4.48921						
1539000	3.602607	4.453663						
1540000	3.589088	4.259382						
1541000	3.752327	4.513199						
1542000	3.775973	4.402634						
1543000	3.433232	4.645031						
1544000	3.667943	4.397576						
1545000	3.567946	4.639277						
1546000	3.630195	4.621065						
1547000	3.638508	4.139684						
1548000	3.918784	4.283561						
1549000	3.718149	4.317102						
1550000	3.687347	4.443294						
1551000	3.85364	4.656442						
1552000	3.091795	4.768768						
1553000	3.730767	4.549887						
1554000	3.872151	4.397785						
1555000	3.711777	4.6453						
1556000	3.640092	4.459638						
1557000	3.61729	4.489432						
1558000	3.508461	4.674236						
1559000	3.597018	4.430267						
1560000	3.877597	4.461989						
1561000	3.66105	4.216493						
1562000	3.711963	4.524199						
1563000	3.900734	4.443468						
1564000	3.469254	4.648779						
1565000	3.755579	4.463409						
1566000	3.735289	4.315226						
1567000	3.581695	4.685762						

1568000	3.757539	4.293958						
1569000	3.874009	4.542593						
1570000	3.647182	4.597939						
1571000	3.643787	4.469383						
1572000	3.898203	4.330393						
1573000	3.644295	4.09295						
1574000	3.89687	4.034291						
1575000	3.730073	4.515145						
1576000	3.580031	4.632892						
1577000	3.500514	4.611816						
1578000	3.631313	4.513228						
1579000	3.255187	4.579215						
1580000	3.607761	4.558255						
1581000	3.555617	4.174765						
1582000	3.500074	4.49866						
1583000	3.627144	4.300286						
1584000	3.548756	4.397423						
1585000	3.672376	4.82						
1586000	3.635531	4.14637						
1587000	3.833728	4.557509						
1588000	3.573911	4.657847						
1589000	3.473021	4.458731						
1590000	3.813706	4.450608						
1591000	3.609572	4.062112						
1592000	3.669379	4.311199						
1593000	3.375031	4.562937						
1594000	3.483896	3.923627						
1595000	3.752334	4.600721						
1596000	3.456875	4.130396						
1597000	3.708535	4.434813						
1598000	3.645458	4.639461						
1599000	3.655116	4.408217						

1600000	3.532277	4.437239						
1601000	3.643984	4.525184						
1602000	3.644342	4.127962						
1603000	3.862194	4.507748						
1604000	3.576771	4.535479						
1605000	3.557406	4.658497						
1606000	3.908684	4.455255						
1607000	3.676333	4.562093						
1608000	3.47546	4.6382						
1609000	3.718999	4.561912						
1610000	3.712948	4.11942						
1611000	3.768379	4.53089						
1612000	3.361293	4.438945						
1613000	3.8796	4.235053						
1614000	3.677049	4.606101						
1615000	3.602709	4.429449						
1616000	3.820346	4.444849						
1617000	3.661868	4.657607						
1618000	3.738057	4.253895						
1619000	3.512871	4.230907						
1620000	3.502963	4.608012						
1621000	3.595346	4.449228						
1622000	3.20864	4.239916						
1623000	3.603015	4.147237						
1624000	3.537148	4.436964						
1625000	3.363471	4.133241						
1626000	3.725223	4.365719						
1627000	3.500072	4.700598						
1628000	3.716176	4.413342						
1629000	3.493656	4.592906						
1630000	3.679502	4.605705						
1631000	3.628668	4.685507						

1632000	3.851605	4.229232						
1633000	3.697527	4.523315						
1634000	3.615002	4.527032						
1635000	3.39507	4.498953						
1636000	3.592035	4.340651						
1637000	3.338113	4.550455						
1638000	3.710554	4.438967						
1639000	3.772241	4.718994						
1640000	3.722107	4.533736						
1641000	3.72044	4.500215						
1642000	3.825527	4.402483						
1643000	3.420022	4.31236						
1644000	3.766125	4.506083						
1645000	3.495405	4.533122						
1646000	3.799408	4.299451						
1647000	3.647686	4.617978						
1648000	3.713311	4.560234						
1649000	3.389483	4.38978						
1650000	3.709489	4.538133						
1651000	3.673366	4.537454						
1652000	3.754169	4.192201						
1653000	3.792745	4.445811						
1654000	3.854952	4.393084						
1655000	3.42507	4.022839						
1656000	3.715087	4.426937						
1657000	3.624987	4.626092						
1658000	3.743962	4.227112						
1659000	3.961533	4.473121						
1660000	3.717202	4.485274						
1661000	3.04922	4.221584						
1662000	3.134929	4.21999						
1663000	3.576453	4.653286						

1664000	3.403137	4.488117						
1665000	3.551694	4.263588						
1666000	3.848167	4.62861						
1667000	3.514826	4.628292						
1668000	3.459613	4.156594						
1669000	3.141221	4.794344						
1670000	3.696797	4.414355						
1671000	3.625187	4.647772						
1672000	3.600574	4.533627						
1673000	3.824582	4.437105						
1674000	3.538433	4.696162						
1675000	2.875691	4.293184						
1676000	3.390481	4.149268						
1677000	3.782337	4.5429						
1678000	3.627752	4.477437						
1679000	3.571828	4.635958						
1680000	3.761139	4.507492						
1681000	3.762677	4.528707						
1682000	3.181678	4.236493						
1683000	3.596325	4.458143						
1684000	3.702163	4.521593						
1685000	3.661473	4.605825						
1686000	3.433386	4.436692						
1687000	3.586371	4.061171						
1688000	3.769914	4.373489						
1689000	3.502123	4.496911						
1690000	3.432476	4.471965						
1691000	3.779977	4.572038						
1692000	3.5808	4.601199						
1693000	3.465061	4.133651						
1694000	3.30173	4.299718						
1695000	3.809643	4.394576						

1696000	3.662813	4.41483						
1697000	3.519771	4.642287						
1698000	3.808715	4.258762						
1699000	3.691354	4.232961						
1700000	3.665653	4.204702						
1701000	3.330379	4.327917						
1702000	3.818249	4.675915						
1703000	3.59543	4.442091						
1704000	3.647802	4.316395						
1705000	3.214125	4.71043						
1706000	3.579249	4.609978						
1707000	3.520099	4.604225						
1708000	3.494549	4.059289						
1709000	3.677258	4.519684						
1710000	3.563097	4.134941						
1711000	3.254152	4.638969						
1712000	3.607683	4.284281						
1713000	3.708905	4.580332						
1714000	3.744682	4.360912						
1715000	3.654266	4.475827						
1716000	3.293632	4.407885						
1717000	3.679742	4.521524						
1718000	3.464075	4.500721						
1719000	3.638077	4.26685						
1720000	3.374923	4.596101						
1721000	3.646216	4.413776						
1722000	3.626631	4.618504						
1723000	3.726557	4.472189						
1724000	3.861274	4.13914						
1725000	3.864713	4.401727						
1726000	3.585413	4.655815						
1727000	3.606462	4.629361						

1728000	3.648875	4.326176						
1729000	3.628034	4.317534						
1730000	3.751908	4.576064						
1731000	3.686362	4.645326						
1732000	3.753719	4.337823						
1733000	3.465671	4.615371						
1734000	3.734738	4.494713						
1735000	3.620233	4.46336						
1736000	3.815503	4.402482						
1737000	3.621231	4.838478						
1738000	3.807222	4.578141						
1739000	3.590856	4.462604						
1740000	3.854652	4.537645						
1741000	3.594799	4.797084						
1742000	3.662252	4.439368						
1743000	3.6378	4.152083						
1744000	3.799633	4.274446						
1745000	3.628606	4.22689						
1746000	3.681845	4.672425						
1747000	3.363094	4.57123						
1748000	3.452462	4.465744						
1749000	3.490411	4.590857						
1750000	3.451358	4.233932						
1751000	3.348279	4.600844						
1752000	3.587028	4.369248						
1753000	3.575069	4.591449						
1754000	3.648397	4.261656						
1755000	3.576025	4.584608						
1756000	3.649844	4.539593						
1757000	3.566536	4.239585						
1758000	3.606982	4.446555						
1759000	3.438138	4.149327						

1760000	3.512893	4.47477						
1761000	3.607055	4.601025						
1762000	3.661034	4.451669						
1763000	3.868778	4.172947						
1764000	3.387425	4.341303						
1765000	3.588351	4.790699						
1766000	3.660124	4.18411						
1767000	3.830848	4.29751						
1768000	3.61615	4.474679						
1769000	3.601079	4.509099						
1770000	3.558649	4.488827						
1771000	3.22855	4.487979						
1772000	3.721763	4.45151						
1773000	3.526296	4.647048						
1774000	3.636684	4.10091						
1775000	3.288088	4.359991						
1776000	3.789115	4.501184						
1777000	3.576918	4.70575						
1778000	3.644591	4.504804						
1779000	3.58835	4.307286						
1780000	3.832232	4.353712						
1781000	3.663835	4.445098						
1782000	3.694647	4.655757						
1783000	3.826083	4.447427						
1784000	3.758931	4.690742						
1785000	3.479954	4.14558						
1786000	3.678452	4.593522						
1787000	3.715722	4.517817						
1788000	3.703136	4.433572						
1789000	3.58488	4.4524						
1790000	3.418845	4.289538						
1791000	3.475067	4.623156						



1792000	3.406276	4.489835						
1793000	3.400924	4.623687						
1794000	3.569446	4.656339						
1795000	3.640829	4.373244						
1796000	3.213709	4.211047						
1797000	3.616582	4.401877						
1798000	3.603359	3.950409						
1799000	3.74125	4.55894						
1800000	3.641969	4.428544						
1801000	3.665642	4.56171						
1802000	3.564269	4.503782						
1803000	3.421421	4.619345						
1804000	3.684908	4.629293						
1805000	3.464638	4.583428						
1806000	3.782422	4.467453						
1807000	3.735765	4.671609						
1808000	3.605443	4.319957						
1809000	3.572372	4.596469						
1810000	3.831664	4.466214						
1811000	3.768432	4.165285						
1812000	3.615905	4.617887						
1813000	3.633632	4.47882						
1814000	3.489309	4.445163						
1815000	3.517863	4.396204						
1816000	3.597596	4.598864						
1817000	3.750608	4.318169						
1818000	3.30235	4.405327						
1819000	3.775516	4.505615						
1820000	3.676079	4.442028						
1821000	3.494824	4.563911						
1822000	3.71249	4.599793						
1823000	3.692585	4.606216						

1824000	3.746231	4.281272						
1825000	3.62146	4.6195						
1826000	3.749563	4.554228						
1827000	3.609978	4.367008						
1828000	3.608063	4.376523						
1829000	3.735382	4.454919						
1830000	3.476727	4.589732						
1831000	3.55223	4.539426						
1832000	3.643533	4.458664						
1833000	3.580879	4.575476						
1834000	3.359634	4.530154						
1835000	3.359902	4.103982						
1836000	3.022417	4.445807						
1837000	3.60793	4.507993						
1838000	3.556511	3.980324						
1839000	3.514285	4.531759						
1840000	3.607794	4.416254						
1841000	3.715897	4.309096						
1842000	3.630306	4.292001						
1843000	3.386945	4.314687						
1844000	3.693201	4.580155						
1845000	3.600972	4.703624						
1846000	3.756961	4.567083						
1847000	3.707963	4.467204						
1848000	3.513523	4.75982						
1849000	3.607255	4.500277						
1850000	3.408252	4.336199						
1851000	3.360563	4.448418						
1852000	3.6177	4.163235						
1853000	3.680997	4.647321						
1854000	3.697507	4.573304						
1855000	3.480278	4.47171						

1856000	3.720766	4.467672						
1857000	3.59312	4.503855						
1858000	3.668162	4.508153						
1859000	3.61978	4.504448						
1860000	3.6367	4.194372						
1861000	3.557469	4.668211						
1862000	3.704075	4.719989						
1863000	3.738064	4.578552						
1864000	3.691668	4.459278						
1865000	3.782566	4.551242						
1866000	3.750753	4.496777						
1867000	3.816133	4.615407						
1868000	3.622015	4.572167						
1869000	3.472012	4.237264						
1870000	3.896282	4.072284						
1871000	3.789919	4.550547						
1872000	3.541963	4.61443						
1873000	3.654805	4.589009						
1874000	3.3678	4.476622						
1875000	3.586996	5.48854						
1876000	5.342353	4.08022						
1877000	3.672211	4.021311						
1878000	3.473605	4.131208						
1879000	3.701389	4.705094						
1880000	3.634491	4.483223						
1881000	3.498122	4.453005						
1882000	3.644634	4.388258						
1883000	3.622348	4.506899						
1884000	3.381727	4.344286						
1885000	3.684553	4.168161						
1886000	3.588993	4.521174						
1887000	3.527327	4.593484						

1888000	3.741751	4.482181						
1889000	3.649406	4.682287						
1890000	3.81033	4.624045						
1891000	3.75694	4.492647						
1892000	3.84163	5.679777						
1893000	3.940974	4.245948						
1894000	4.24131	4.682222						
1895000	4.20922	4.646767						
1896000	4.042497	4.70713						
1897000	4.000573	4.630442						
1898000	3.858921	4.6591						
1899000	3.84533	4.598495						
1900000	3.884554	4.5297						
1901000	3.79555	4.572462						
1902000	3.729462	4.534627						
1903000	3.657294	4.48786						
1904000	3.753052	4.568007						
1905000	3.638804	4.698635						
1906000	3.792137	4.553426						
1907000	3.761575	4.601675						
1908000	3.708413	4.460754						
1909000	3.807193	4.621849						
1910000	3.687157	4.52724						
1911000	3.811087	4.386413						
1912000	3.850518	4.528381						
1913000	3.671219	4.353463						
1914000	3.681141	4.686298						
1915000	3.715076	4.568003						
1916000	3.588567	4.264147						
1917000	3.504204	4.315817						
1918000	3.461933	4.344564						
1919000	3.286207	4.362637						

1920000	3.263934	4.341729						
1921000	3.455497	4.608183						
1922000	3.173912	4.497454						
1923000	3.573007	4.354496						
1924000	3.652299	4.443792						
1925000	3.400817	4.711002						
1926000	3.655464	4.549299						
1927000	3.608567	4.496474						
1928000	3.317185	4.655731						
1929000	3.794582	4.168467						
1930000	3.73554	4.527053						
1931000	3.539748	4.768099						
1932000	3.795814	4.46604						
1933000	3.636549	4.584519						
1934000	3.726274	4.562084						
1935000	3.824174	4.496667						
1936000	3.737179	4.043652						
1937000	3.44826	4.836652						
1938000	3.770773	4.570626						
1939000	3.715004	4.60182						
1940000	3.699726	4.481694						
1941000	3.785973	4.55331						
1942000	3.58449	5.646464						
1943000	3.338728	4.523688						
1944000	3.811729	4.670179						
1945000	3.584566	4.560459						
1946000	3.891545	4.235827						
1947000	3.831378	4.597989						
1948000	3.764533	4.520741						
1949000	3.681878	4.462885						
1950000	3.725315	4.518627						
1951000	3.51559	4.443402						

1952000	3.390092	4.043368						
1953000	3.789961	4.563709						
1954000	3.658531	4.585699						
1955000	3.667555	4.665047						
1956000	3.82878	4.652593						
1957000	3.66039	4.738557						
1958000	3.505521	4.330837						
1959000	3.733215	4.092986						
1960000	3.487418	4.418909						
1961000	3.54908	4.661718						
1962000	3.509553	4.691948						
1963000	3.397379	4.714809						
1964000	3.366362	4.061047						
1965000	3.300577	4.461049						
1966000	3.674696	4.522966						
1967000	3.479274	3.839058						
1968000	3.479193	4.390584						
1969000	3.605347	4.482137						
1970000	3.623688	4.429038						
1971000	3.384519	4.129128						
1972000	3.498451	4.560185						
1973000	3.502683	4.409807						
1974000	3.390535	4.323533						
1975000	3.499142	4.283499						
1976000	3.552731	4.435297						
1977000	3.401314	4.476568						
1978000	3.666105	4.525397						
1979000	3.697542	4.472522						
1980000	3.499844	4.077475						
1981000	3.46017	4.334127						
1982000	3.781843	4.144082						
1983000	3.613323	4.584239						

1984000	3.49917	4.210696					
1985000	3.669525	4.670058					
1986000	3.624403	4.481263					
1987000	3.659663	4.477711					
1988000	3.603498	4.582704					
1989000	3.620478	4.365187					
1990000	3.664249	4.485529					
1991000	3.560173	4.653243					
1992000	3.779208	4.502932					
1993000	3.703681	4.407804					
1994000	3.638999	6.475					
1995000	3.766752	4.745376					
1996000	3.828028	4.683519					
1997000	3.948324	4.597437					
1998000	3.976383	4.904637					
1999000	3.775329	4.54144					
2000000	3.927693	4.593985					
2001000	3.735854	4.619347					
2002000	3.445442	4.294404					
2003000	3.503017	4.415167					
2004000	3.536749	4.52214					
2005000	3.337924	4.303992					
2006000	3.366607	4.585752					
2007000	3.502302	4.655292					
2008000	3.464997	4.585596					
2009000	3.474711	4.444135					
2010000	3.435275	4.512257					
2011000	3.616372	4.619305					
2012000	3.650722	4.436493					
2013000	3.709544	4.453264					
2014000	3.620525	4.561731					
2015000	3.755565	4.30432					

2016000	3.562731	4.698776						
2017000	3.318386	4.345619						
2018000	3.819915	4.624256						
2019000	3.700667	4.372282						
2020000	3.658616	4.187264						
2021000	3.395239	4.625008						
2022000	3.790077	4.334882						
2023000	3.654111	4.320673						
2024000	3.392554	4.537269						
2025000	3.511461	4.53415						
2026000	3.535782	4.468155						
2027000	3.649898	4.521644						
2028000	3.55549	4.46324						
2029000	3.778009	4.629841						
2030000	3.683542	4.4634						
2031000	3.670006	4.609706						
2032000	3.697659	4.67069						
2033000	3.777512	4.419984						
2034000	3.835595	4.542825						
2035000	3.648135	4.296281						
2036000	3.376664	4.511436						
2037000	3.478419	4.380524						
2038000	3.694333	4.575206						
2039000	3.718764	4.490438						
2040000	3.768624	4.467621						
2041000	3.848444	4.470699						
2042000	3.816916	4.538168						
2043000	3.732969	4.313455						
2044000	3.570183	4.520878						
2045000	3.428745	4.609287						
2046000	3.550695	4.439523						
2047000	3.228315	4.666723						



2048000	3.606574	4.159582						
2049000	3.595811	4.588396						
2050000	3.399101	4.581799						
2051000	3.529208	4.294696						
2052000	3.563435	4.573779						
2053000	3.647494	4.5435						
2054000	3.645847	4.603861						
2055000	3.610593	4.571287						
2056000	3.216633	4.391509						
2057000	3.705339	4.416046						
2058000	3.848621	4.413505						
2059000	3.51112	4.440116						
2060000	3.526889	4.698851						
2061000	3.440539	4.608398						
2062000	3.709829	4.430578						
2063000	3.697054	4.484846						
2064000	3.37425	4.520803						
2065000	3.950325	4.429335						
2066000	3.868766	4.488645						
2067000	3.750587	4.253639						
2068000	3.630267	3.947394						
2069000	3.47486	4.656745						
2070000	3.558573	4.62568						
2071000	3.611511	4.559464						
2072000	3.612905	4.51189						
2073000	3.51187	4.483867						
2074000	3.802043	4.55004						
2075000	3.6973	4.424733						
2076000	3.778715	4.508499						
2077000	3.668919	4.204899						
2078000	3.527198	4.483426						
2079000	3.579132	4.702902						

2080000	3.766876	4.332728						
2081000	3.578492	4.466457						
2082000	3.759654	4.367615						
2083000	3.915143	4.604735						
2084000	3.70523	4.454975						
2085000	3.745776	4.447804						
2086000	3.509758	4.084572						
2087000	3.440194	4.540828						
2088000	3.599604	4.288811						
2089000	3.549147	4.612707						
2090000	3.492888	4.578967						
2091000	3.228087	4.386366						
2092000	3.520888	4.508473						
2093000	3.512242	4.394886						
2094000	3.538163	4.421155						
2095000	3.434082	4.445381						
2096000	3.490061	4.604201						
2097000	3.78577	4.616178						
2098000	3.685338	4.574691						
2099000	3.651911	4.508138						
2100000	3.448204	4.029651						
2101000	3.444995	4.418162						
2102000	3.608411	4.582732						
2103000	3.727263	4.576463						
2104000	3.584957	4.517351						
2105000	3.660689	4.166933						
2106000	3.630432	4.810734						
2107000	3.716277	4.254499						
2108000	3.603768	4.567119						
2109000	3.734189	4.531879						
2110000	3.615984	4.601008						
2111000	3.507737	4.437028						

2112000	3.765957	4.506572						
2113000	3.620572	4.452318						
2114000	3.61781	4.473162						
2115000	3.479987	4.146359						
2116000	3.703329	4.530617						
2117000	3.111719	4.681213						
2118000	3.678634	4.694514						
2119000	3.617299	4.780049						
2120000	3.555371	4.306904						
2121000	3.197182	4.553379						
2122000	3.833107	4.355279						
2123000	3.543605	4.61143						
2124000	3.803791	4.377776						
2125000	3.884577	4.463744						
2126000	3.726497	3.989667						
2127000	3.463807	4.752992						
2128000	3.738334	4.61743						
2129000	3.711446	4.618498						
2130000	3.58245	4.413642						
2131000	2.849891	4.908866						
2132000	2.594195	4.707661						
2133000	2.675618	4.452226						
2134000	2.79094	4.810388						
2135000	2.897595	4.90084						
2136000	2.897349	4.746747						
2137000	2.707432	4.79108						
2138000	2.751227	4.78251						
2139000	2.751931	4.841049						
2140000	2.658275	5.183233						
2141000	2.845096	5.147805						
2142000	2.645355	4.791769						
2143000	2.822447	4.772464						

2144000	2.75301	4.815036						
2145000	2.696793	4.733712						
2146000	2.66626	4.837875						
2147000	2.906167	5.094001						
2148000	2.750882	4.920496						
2149000	2.877646	5.077952						
2150000	2.764081	4.793532						
2151000	2.867523	4.550844						
2152000	2.78013	4.743447						
2153000	2.669657	5.128922						
2154000	2.759856	4.999241						
2155000	2.780988	5.121414						
2156000	2.766582	4.728881						
2157000	2.632351	4.675198						
2158000	2.635461	4.731422						
2159000	2.665251	4.846189						
2160000	2.872086	4.848987						
2161000	3.007849	4.926829						
2162000	2.735481	4.800476						
2163000	2.727071	5.00093						
2164000	2.794895	4.829961						
2165000	2.822466	4.515015						
2166000	2.625421	4.75665						
2167000	2.552589	5.156702						
2168000	2.67767	4.928548						
2169000	2.600332	5.035858						
2170000	2.674373	5.060543						
2171000	2.640347	4.831836						
2172000	2.510904	4.960874						
2173000	2.538909	4.824677						
2174000	2.663654	5.091172						
2175000	2.5648	4.611771						

2176000	2.574137	4.920027						
2177000	2.600114	4.947406						
2178000	2.634775	4.884185						
2179000	2.663824	4.665958						
2180000	2.515001	5.010513						
2181000	2.557675	4.926291						
2182000	2.404705	5.023586						
2183000	2.64393	4.860758						
2184000	2.632008	5.103518						
2185000	2.61266	4.863866						
2186000	2.539198	5.027894						
2187000	2.49717	4.860196						
2188000	2.612289	4.827248						
2189000	2.791505	4.751181						
2190000	2.659805	4.847455						
2191000	2.785172	4.799164						
2192000	2.604107	4.713311						
2193000	2.718314	4.886928						
2194000	2.529875	4.506683						
2195000	2.539854	5.194997						
2196000	2.596041	5.044097						
2197000	2.590091	5.261212						
2198000	2.600679	5.21457						
2199000	2.551816	5.141201						
2200000	2.564208	5.003206						
2201000	2.611446	5.040663						
2202000	2.603824	5.029703						
2203000	2.583729	4.839387						
2204000	2.578435	4.730943						
2205000	2.804387	4.98429						
2206000	2.707131	4.687251						
2207000	2.744298	4.959069						

2208000	2.631135	4.948839						
2209000	2.718918	4.889884						
2210000	2.497716	4.866329						
2211000	2.651762	4.96512						
2212000	2.529575	4.908754						
2213000	2.505647	4.737161						
2214000	2.320981	4.917629						
2215000	2.524092	4.69749						
2216000	2.508783	5.076642						
2217000	2.44052	4.912207						
2218000	2.633149	5.139367						
2219000	2.622975	4.873922						
2220000	2.44646	4.882						
2221000	2.557025	4.929842						
2222000	2.521254	4.93638						
2223000	2.572406	4.909736						
2224000	2.525019	4.581366						
2225000	2.334547	5.000964						
2226000	2.51005	4.977557						
2227000	2.576194	4.749337						
2228000	2.598643	4.90612						
2229000	2.6722	4.925139						
2230000	2.63034	4.828087						
2231000	2.618924	4.804614						
2232000	2.702302	5.078517						
2233000	2.604553	4.895906						
2234000	2.532654	4.891692						
2235000	2.61706	4.882451						
2236000	2.606849	4.936631						
2237000	2.515972	4.888721						
2238000	2.552072	4.856026						
2239000	2.502046	4.771587						

2240000	2.623349	4.511731						
2241000	2.545784	5.020063						
2242000	2.530641	4.956416						
2243000	2.623706	4.979205						
2244000	2.555693	5.015638						
2245000	2.504516	5.046885						
2246000	2.608137	4.84265						
2247000	2.527789	5.038952						
2248000	2.563206	5.009821						
2249000	2.51527	5.028314						
2250000	2.59672	5.023726						
2251000	2.673456	4.882916						
2252000	2.539139	5.09541						
2253000	2.472124	4.81776						
2254000	2.383045	4.910993						
2255000	2.485151	4.944522						
2256000	2.429987	4.790412						
2257000	2.387384	5.106727						
2258000	2.487333	5.109908						
2259000	2.465913	4.810372						
2260000	2.495809	4.529294						
2261000	2.388953	4.766796						
2262000	2.556365	4.500804						
2263000	2.576119	4.983457						
2264000	2.546547	4.886569						
2265000	2.693668	5.150942						
2266000	2.607447	4.902436						
2267000	2.625499	4.836401						
2268000	2.644752	4.860669						
2269000	2.560163	4.931581						
2270000	2.632219	4.949118						
2271000	2.565143	4.878693						

2272000	2.577487	4.804398						
2273000	2.621544	5.012424						
2274000	2.574825	4.587539						
2275000	2.545661	4.744874						
2276000	2.419314	4.744727						
2277000	2.570102	4.955317						
2278000	2.596783	4.795116						
2279000	2.504453	4.83517						
2280000	2.59555	4.712069						
2281000	2.452125	4.913963						
2282000	2.447796	4.700662						
2283000	2.506807	5.071287						
2284000	2.813071	5.001632						
2285000	2.892132	5.331126						
2286000	2.929894	5.028625						
2287000	2.884885	5.00292						
2288000	2.956844	4.994477						
2289000	3.015617	4.79063						
2290000	2.916803	4.935576						
2291000	3.081959	5.026045						
2292000	2.919339	5.056477						
2293000	3.079255	4.775642						
2294000	2.838003	4.88243						
2295000	2.812334	5.04084						
2296000	2.71849	4.755822						
2297000	2.589899	4.922465						
2298000	2.62316	4.937704						
2299000	2.761968	4.60572						
2300000	2.641392	4.793426						
2301000	2.721257	4.846036						
2302000	2.710068	4.822534						
2303000	2.761883	4.900554						



2304000	2.805056	4.808612						
2305000	2.873285	5.022737						
2306000	2.785605	4.719264						
2307000	2.789504	4.94577						
2308000	2.904824	4.869684						
2309000	2.771057	4.838363						
2310000	2.890365	5.046249						
2311000	2.904145	4.93921						
2312000	2.860258	4.821994						
2313000	2.800376	4.897915						
2314000	2.765335	4.679128						
2315000	2.882658	4.552769						
2316000	2.742905	4.94841						
2317000	2.830193	5.145654						
2318000	2.793771	5.157747						
2319000	2.682203	5.167212						
2320000	2.781513	4.960141						
2321000	2.741708	5.024239						
2322000	2.570191	4.800799						
2323000	2.828204	4.996703						
2324000	2.707103	5.140055						
2325000	2.844907	5.02354						
2326000	2.837004	4.976549						
2327000	2.790444	5.001123						
2328000	2.831455	5.012491						
2329000	2.817061	4.885763						
2330000	2.858181	5.025978						
2331000	2.753838	4.935056						
2332000	2.735763	4.936124						
2333000	2.823126	5.001324						
2334000	2.635639	4.876784						
2335000	2.663109	4.988956						

2336000	2.698274	4.774883						
2337000	2.714304	4.877305						
2338000	2.639256	5.026268						
2339000	2.661045	4.802024						
2340000	2.553224	4.991552						
2341000	2.656029	5.005305						
2342000	2.623073	4.533314						
2343000	2.601205	4.992924						
2344000	4.243804	4.597233						
2345000	2.599186	4.552226						
2346000	2.714003	4.775833						
2347000	2.926561	4.995594						
2348000	2.735838	4.979339						
2349000	2.683186	4.587136						
2350000	2.74916	4.941318						
2351000	2.777518	4.670569						
2352000	2.700241	4.968191						
2353000	2.708106	4.862823						
2354000	2.552451	4.872211						
2355000	2.679825	5.035086						
2356000	2.618673	4.968412						
2357000	2.523715	4.749347						
2358000	2.614531	5.095375						
2359000	2.600297	4.969634						
2360000	2.428241	4.898138						
2361000	2.60554	5.104556						
2362000	2.716331	4.885869						
2363000	2.532228	4.936656						
2364000	2.769009	4.843055						
2365000	2.657509	4.991748						
2366000	2.616611	5.224667						
2367000	2.71357	5.14136						

2368000	2.819861	4.744386						
2369000	2.574977	4.833463						
2370000	2.675088	5.147453						
2371000	2.749465	5.180797						
2372000	2.617901	5.065707						
2373000	2.777915	5.100996						
2374000	2.580913	4.829147						
2375000	2.638795	5.182817						
2376000	2.803581	5.248298						
2377000	2.940467	5.04159						
2378000	2.740419	4.839762						
2379000	2.809754	5.135944						
2380000	2.921038	4.99455						
2381000	2.835324	4.975303						
2382000	2.979052	5.284306						
2383000	2.737395	4.785164						
2384000	2.561558	4.646359						
2385000	2.722442	5.157591						
2386000	2.687108	4.386557						
2387000	2.629055	4.466218						
2388000	2.634291	4.922641						
2389000	2.899642	4.961255						
2390000	2.846816	5.010925						
2391000	2.725776	4.967127						
2392000	2.988243	4.743044						
2393000	2.995619	5.21127						
2394000	2.393789	4.78771						
2395000	2.738892	5.002468						
2396000	2.725156	4.933285						
2397000	2.667339	5.03633						
2398000	2.548217	5.073081						
2399000	2.680004	4.333586						

2400000	2.617974	4.80758						
2401000	2.388987	4.739129						
2402000	2.52558	5.016586						
2403000	2.450785	5.154441						
2404000	2.569882	5.179491						
2405000	2.535835	5.057176						
2406000	2.704497	5.036115						
2407000	2.578473	5.202829						
2408000	2.345705	4.625074						
2409000	2.371277	5.18775						
2410000	2.554157	5.305197						
2411000	2.46512	4.588091						
2412000	2.559231	9.712077						
2413000	3.172107	4.883147						
2414000	2.500496	4.954275						
2415000	2.594686	4.995659						
2416000	2.545496	4.825196						
2417000	2.568643	4.905217						
2418000	2.595224	4.780382						
2419000	2.548533	4.925569						
2420000	2.639119	5.021445						
2421000	2.607332	4.814137						
2422000	2.64846	4.991173						
2423000	2.595414	4.906288						
2424000	2.686197	4.925715						
2425000	2.553222	5.02087						
2426000	2.636681	5.082426						
2427000	2.616353	4.947868						
2428000	2.581445	4.824124						
2429000	2.430246	4.758686						
2430000	2.387601	4.96026						
2431000	2.348894	4.913603						

2432000	2.448465	4.955409						
2433000	2.483262	4.893387						
2434000	2.555621	5.042768						
2435000	2.411444	5.053459						
2436000	2.541552	4.954637						
2437000	2.520751	5.137569						
2438000	2.56415	5.067514						
2439000	2.464221	4.826656						
2440000	2.501938	4.883212						
2441000	2.612222	4.499909						
2442000	2.570839	4.865352						
2443000	2.566983	4.85461						
2444000	2.665672	4.981494						
2445000	2.635589	4.88566						
2446000	2.605462	4.86731						
2447000	2.558502	4.647703						
2448000	2.637053	5.043857						
2449000	2.723177	4.753048						
2450000	2.562264	4.812467						
2451000	2.480187	4.833172						
2452000	2.478046	4.938987						
2453000	2.454871	4.898137						
2454000	2.510751	4.997274						
2455000	2.602667	4.807288						
2456000	2.555772	4.994694						
2457000	2.634234	4.893203						
2458000	2.519883	5.087378						
2459000	3.050915	5.113596						
2460000	2.888517	5.104991						
2461000	2.812409	5.154755						
2462000	2.831647	4.934017						
2463000	2.973548	4.964173						

2464000	2.953641	4.63705						
2465000	3.013859	4.880376						
2466000	2.891952	4.901003						
2467000	2.997917	4.859565						
2468000	2.832922	4.862701						
2469000	2.961221	4.984083						
2470000	2.789367	4.848199						
2471000	2.75833	5.039309						
2472000	2.795201	4.716842						
2473000	2.831892	4.942357						
2474000	2.789256	4.507688						
2475000	2.793398	4.839029						
2476000	2.702302	4.892388						
2477000	2.639824	4.816115						
2478000	2.748174	4.800629						
2479000	2.746827	4.974951						
2480000	2.751886	5.132793						
2481000	2.799889	4.837319						
2482000	2.825593	5.053584						
2483000	2.827251	5.002872						
2484000	2.835506	5.163654						
2485000	2.700805	5.128506						
2486000	2.827113	5.218904						
2487000	2.789304	4.868097						
2488000	2.696567	4.768993						
2489000	2.776236	4.79663						
2490000	2.915356	4.91984						
2491000	2.799812	4.767817						
2492000	2.770282	4.841886						
2493000	2.753836	5.039331						
2494000	2.828193	5.026358						
2495000	2.796256	4.866003						

2496000	3.01854	4.949182						
2497000	2.796194	4.51599						
2498000	2.731693	4.808938						
2499000	2.647706	4.919777						
2500000	2.83536	4.95963						
2501000	2.768044	5.019185						
2502000	2.848099	4.880416						
2503000	2.786125	5.079407						
2504000	2.82243	4.861889						
2505000	2.797118	4.951879						
2506000	2.749095	4.763952						
2507000	2.711339	4.903872						
2508000	2.880817	4.953166						
2509000	2.84153	4.74816						
2510000	2.832594	4.843233						
2511000	2.937225	4.827992						
2512000	2.801198	4.991337						
2513000	2.860852	4.901314						
2514000	2.741005	4.787839						
2515000	2.668824	4.794527						
2516000	2.604856	5.090762						
2517000	2.708202	5.073736						
2518000	2.687371	5.054606						
2519000	2.711155	5.131487						
2520000	2.647042	5.203413						
2521000	2.584156	4.929119						
2522000	2.762396	4.736262						
2523000	2.773532	4.736597						
2524000	2.749858	4.853541						
2525000	2.834003	4.749192						
2526000	2.893019	5.024082						
2527000	2.743394	4.889119						

2528000	2.785261	4.991452						
2529000	2.808144	4.833722						
2530000	2.828076	4.781198						
2531000	2.779224	4.814842						
2532000	2.547591	5.080396						
2533000	2.728082	4.955066						
2534000	2.715549	5.083061						
2535000	2.515897	4.992043						
2536000	2.695863	4.871921						
2537000	2.688046	4.991481						
2538000	2.653658	4.770326						
2539000	2.776098	4.819295						
2540000	2.740529	4.911569						
2541000	2.644345	4.938791						
2542000	2.765203	5.000356						
2543000	2.915537	4.846382						
2544000	2.778906	4.748115						
2545000	2.664983	4.681885						
2546000	2.703563	5.021694						
2547000	2.730655	4.916792						
2548000	2.750414	4.881241						
2549000	2.595433	5.135894						
2550000	2.765112	5.036248						
2551000	2.683047	4.74695						
2552000	2.702593	4.76005						
2553000	2.799034	4.848223						
2554000	2.740957	4.914328						
2555000	2.764032	5.096916						
2556000	2.687501	4.831303						
2557000	2.623357	4.854261						
2558000	2.521742	5.08576						
2559000	2.539212	4.874229						



2560000	2.590805	4.878607						
2561000	2.603299	4.980367						
2562000	2.640757	5.40076						
2563000	2.626117	4.770539						
2564000	2.728989	4.688912						
2565000	2.729784	4.764212						
2566000	2.662714	4.58395						
2567000	2.816373	4.912236						
2568000	2.747791	4.911068						
2569000	2.753707	4.93742						
2570000	2.67753	4.867055						
2571000	2.574077	4.89376						
2572000	2.728275	5.218871						
2573000	2.661623	4.97864						
2574000	2.6599	5.253262						
2575000	2.58962	4.862614						
2576000	2.74769	5.056266						
2577000	2.692259	4.818482						
2578000	2.67526	5.061398						
2579000	2.803829	4.774222						
2580000	2.68818	4.828445						
2581000	2.750129	4.74523						
2582000	2.607632	4.833219						
2583000	2.680394	4.955395						
2584000	2.683099	5.148423						
2585000	2.659419	5.087752						
2586000	2.735934	4.536953						
2587000	2.705712	4.860533						
2588000	2.641121	4.795905						
2589000	2.800522	4.946325						
2590000	2.733346	5.097811						
2591000	2.532654	4.623928						

2592000	2.537882	4.952827						
2593000	2.662837	5.015938						
2594000	2.644058	4.90289						
2595000	2.64194	5.150534						
2596000	2.61297	4.660985						
2597000	2.637536	4.871577						
2598000	2.72088	4.93682						
2599000	2.621491	4.902022						
2600000	2.743627	4.859909						
2601000	2.629031	4.851023						
2602000	2.477152	4.805939						
2603000	2.650876	5.00902						
2604000	2.449153	5.219999						
2605000	2.71325	4.776022						
2606000	2.744103	4.866648						
2607000	2.743127	4.759176						
2608000	2.704492	4.915062						
2609000	2.725826	5.078947						
2610000	2.811749	4.822657						
2611000	2.669376	4.940862						
2612000	2.59087	4.978432						
2613000	3.245311	4.771284						
2614000	2.70821	4.849005						
2615000	2.674374	4.773156						
2616000	2.690362	5.010961						
2617000	2.85947	4.694414						
2618000	2.619501	5.087254						
2619000	2.697671	5.004062						
2620000	2.692836	4.817936						
2621000	2.575935	5.086416						
2622000	2.68514	4.729857						
2623000	2.738041	4.952643						

2624000	2.854276	4.747899						
2625000	2.694244	4.894382						
2626000	2.622984	4.84025						
2627000	2.718902	4.927771						
2628000	2.574359	5.030201						
2629000	2.594487	5.143812						
2630000	2.694944	5.173036						
2631000	2.582958	4.89814						
2632000	2.729769	4.485628						
2633000	2.735086	4.800931						
2634000	3.23826	4.887303						
2635000	3.154908	4.875012						
2636000	2.975796	4.814691						
2637000	2.85352	4.51261						
2638000	2.94663	5.058948						
2639000	3.046162	6.817216						
2640000	2.761118	4.453581						
2641000	3.45066	4.793034						
2642000	3.037303	4.803149						
2643000	3.114836	4.834566						
2644000	3.154121	4.862449						
2645000	2.960196	4.772647						
2646000	3.068757	4.961084						
2647000	3.090302	4.893287						
2648000	3.017808	4.986856						
2649000	3.010886	4.869334						
2650000	3.052537	4.75265						
2651000	3.084638	5.10059						
2652000	3.052593	4.881543						
2653000	3.116117	4.621302						
2654000	2.892347	4.948047						
2655000	2.975064	5.106834						

2656000	2.806317	4.98828						
2657000	2.782637	4.601794						
2658000	2.888356	4.849512						
2659000	2.954136	4.778041						
2660000	2.880548	5.103526						
2661000	2.993452	4.900196						
2662000	2.789764	4.720082						
2663000	2.888653	4.941776						
2664000	2.82248	4.926158						
2665000	2.862243	4.78622						
2666000	2.970876	4.815838						
2667000	2.954975	4.941152						
2668000	2.783391	4.84824						
2669000	2.95613	4.749168						
2670000	2.625834	5.030983						
2671000	2.84855	4.818869						
2672000	2.870233	4.932244						
2673000	2.876033	4.626437						
2674000	2.891026	4.964438						
2675000	2.792422	4.935643						
2676000	2.928449	4.667267						
2677000	2.754239	5.02555						
2678000	2.829458	5.143677						
2679000	2.877646	4.605709						
2680000	3.894366	4.203013						
2681000	3.15301	5.152319						
2682000	2.742254	4.82781						
2683000	2.916397	4.858071						
2684000	2.81561	4.764936						
2685000	2.792427	4.754854						
2686000	2.796887	4.935017						
2687000	2.733992	4.836861						

2688000	2.779875	5.230065						
2689000	2.74519	4.822347						
2690000	2.892496	4.741508						
2691000	2.792681	5.031162						
2692000	2.756413	4.958315						
2693000	2.573741	5.065599						
2694000	2.762306	4.838573						
2695000	2.688333	5.02824						
2696000	2.643709	4.768436						
2697000	2.748278	4.911116						
2698000	2.838147	4.763426						
2699000	2.756239	4.810486						
2700000	2.683964	4.942209						
2701000	2.777865	4.881537						
2702000	2.774028	5.249966						
2703000	2.70061	4.695088						
2704000	2.765214	4.88496						
2705000	2.816176	4.895039						
2706000	2.71805	4.71548						
2707000	2.710352	4.883142						
2708000	2.331324	4.910809						
2709000	2.692061	5.122802						
2710000	2.74602	4.68058						
2711000	2.764389	4.907706						
2712000	2.829907	4.949837						
2713000	2.805217	4.948809						
2714000	2.619993	4.836235						
2715000	2.725466	5.037128						
2716000	2.780088	4.95005						
2717000	2.761991	4.784408						
2718000	2.746259	5.040079						
2719000	2.81207	4.930577						

2720000	2.802445	4.819151						
2721000	2.363646	5.065728						
2722000	2.703116	6.665507						
2723000	2.721237	4.7719						
2724000	2.772821	4.873836						
2725000	2.702762	4.857619						
2726000	2.69255	4.870209						
2727000	2.680499	4.918669						
2728000	2.69826	4.926479						
2729000	2.558064	4.82332						
2730000	2.691046	4.958377						
2731000	2.68443	4.900719						
2732000	2.8955	4.610542						
2733000	2.551793	5.096367						
2734000	2.67994	4.993315						
2735000	2.649311	4.958546						
2736000	2.720037	4.884843						
2737000	2.728157	4.9258						
2738000	2.760433	4.906726						
2739000	2.604168	4.928517						
2740000	2.765832	4.935496						
2741000	2.694661	5.200148						
2742000	2.657181	4.739481						
2743000	2.697371	4.887023						
2744000	2.754807	4.86176						
2745000	2.591497	4.692641						
2746000	2.639469	5.060327						
2747000	2.698753	5.096098						
2748000	2.612398	4.71244						
2749000	2.804486	4.787648						
2750000	2.787497	5.185483						
2751000	2.546531	4.909399						

2752000	2.633343	4.94034						
2753000	2.683666	4.81792						
2754000	2.760735	4.688888						
2755000	2.770608	4.97482						
2756000	2.767977	4.944411						
2757000	2.807784	4.850499						
2758000	2.359608	4.962158						
2759000	2.735981	5.114246						
2760000	2.700629	4.839375						
2761000	2.748032	4.861951						
2762000	2.770099	4.664285						
2763000	2.605536	4.652215						
2764000	2.508713	4.787229						
2765000	2.619686	5.093351						
2766000	2.744001	4.860434						
2767000	2.742024	4.879065						
2768000	2.746646	4.984465						
2769000	2.603604	4.90628						
2770000	2.595412	4.989813						
2771000	2.579088	4.796826						
2772000	2.603514	4.901497						
2773000	2.562102	4.883935						
2774000	2.63835	4.875309						
2775000	2.555045	4.934913						
2776000	2.599556	4.950122						
2777000	2.627627	4.95407						
2778000	2.644665	4.896051						
2779000	2.71343	5.068962						
2780000	2.560256	4.840544						
2781000	2.572565	4.882106						
2782000	2.705934	5.251158						
2783000	2.768949	4.818436						

2784000	2.659954	4.932852						
2785000	2.668025	5.021505						
2786000	2.717219	4.892038						
2787000	2.663525	4.990366						
2788000	2.662599	5.147374						
2789000	2.599329	4.846171						
2790000	2.660114	4.803353						
2791000	2.781221	4.796094						
2792000	2.54984	4.913621						
2793000	2.588311	4.884215						
2794000	2.668648	4.685391						
2795000	2.679734	4.857389						
2796000	2.757917	4.956169						
2797000	2.6167	4.92593						
2798000	2.682167	5.051694						
2799000	2.784916	4.737761						
2800000	2.746	4.859183						
2801000	2.728411	4.955106						
2802000	2.739292	4.836219						
2803000	2.598147	5.0104						
2804000	2.602616	4.936839						
2805000	2.685895	4.879699						
2806000	2.749822	4.91166						
2807000	2.638724	4.892496						
2808000	2.86613	5.054441						
2809000	2.780279	4.963594						
2810000	2.905084	4.450186						
2811000	3.0175	4.811293						
2812000	2.942191	4.905242						
2813000	2.863269	5.050462						
2814000	2.903664	5.031985						
2815000	2.902608	5.125827						



2816000	2.942031	4.883766						
2817000	2.973319	4.833269						
2818000	3.002786	4.818892						
2819000	2.812446	4.843066						
2820000	2.895644	4.716002						
2821000	2.845503	4.403352						
2822000	2.86693	4.867681						
2823000	3.028385	5.077405						
2824000	2.858809	4.909965						
2825000	2.900172	5.05854						
2826000	2.932856	4.724303						
2827000	2.877796	4.747293						
2828000	2.949537	4.917152						
2829000	2.958745	4.880621						
2830000	2.842163	4.922633						
2831000	2.903605	4.918234						
2832000	2.905297	4.753691						
2833000	2.888997	4.831683						
2834000	2.979439	4.817959						
2835000	2.75205	4.854119						
2836000	2.841087	5.073556						
2837000	2.801734	4.708911						
2838000	2.873273	5.019417						
2839000	2.881158	4.805212						
2840000	2.976027	4.931686						
2841000	2.768982	4.966678						
2842000	2.853982	4.924504						
2843000	2.940075	4.912032						
2844000	2.847911	4.888948						
2845000	2.97476	4.915949						
2846000	2.718769	4.981016						
2847000	2.738846	4.990525						

2848000	2.740918	4.768828						
2849000	3.051903	4.879982						
2850000	2.940724	4.782577						
2851000	2.960259	5.275928						
2852000	2.825489	5.041053						
2853000	2.840307	5.123942						
2854000	2.766995	4.911618						
2855000	2.939817	4.762648						
2856000	2.934919	4.827574						
2857000	2.759251	4.929629						
2858000	2.815453	4.970972						
2859000	2.824723	4.681034						
2860000	2.793324	4.893004						
2861000	2.979458	4.871597						
2862000	2.812644	5.005874						
2863000	2.889568	4.968739						
2864000	2.806551	4.750064						
2865000	2.819545	4.896462						
2866000	2.80845	4.737218						
2867000	2.681168	4.905311						
2868000	2.810324	4.739736						
2869000	2.735645	4.865813						
2870000	2.881282	9.326417						
2871000	2.372533	4.158116						
2872000	2.827526	4.725764						
2873000	2.958686	4.813634						
2874000	2.866179	4.888818						
2875000	2.764705	4.980035						
2876000	2.732489	4.610596						
2877000	2.725639	4.804391						
2878000	2.665336	4.81715						
2879000	2.680215	4.181164						

2880000	2.816525	4.808416						
2881000	3.070458	4.728996						
2882000	2.72301	5.050278						
2883000	2.851231	4.971198						
2884000	2.830359	4.892449						
2885000	2.930778	5.246666						
2886000	2.830825	5.326463						
2887000	2.748522	5.225798						
2888000	2.64831	4.419698						
2889000	2.795661	4.953199						
2890000	2.831936	5.599394						
2891000	2.633785	5.410958						
2892000	2.822248	4.900494						
2893000	2.838675	4.967081						
2894000	2.677034	4.90832						
2895000	2.791914	4.768433						
2896000	2.731578	4.727362						
2897000	2.811718	4.589899						
2898000	2.803041	4.952234						
2899000	2.580242	4.855079						
2900000	2.619947	4.886765						
2901000	2.877807	4.817191						
2902000	2.809012	4.844697						
2903000	2.741425	4.926553						
2904000	2.811238	4.876759						
2905000	2.874221	4.710128						
2906000	3.113734	4.860233						
2907000	2.992884	4.824565						
2908000	2.847078	4.858911						
2909000	2.938723	4.729229						
2910000	2.936045	4.851739						
2911000	2.895824	4.719339						

2912000	2.755383	4.903555						
2913000	2.872864	5.014272						
2914000	2.837127	4.791659						
2915000	2.924608	4.871951						
2916000	2.997596	4.87735						
2917000	2.912378	4.977873						
2918000	2.738605	4.77175						
2919000	2.783281	4.934025						
2920000	2.774066	4.981481						
2921000	2.679563	4.920353						
2922000	2.624995	4.604946						
2923000	2.75039	4.886871						
2924000	2.794225	4.784107						
2925000	2.643689	5.13842						
2926000	2.695333	5.164126						
2927000	2.71613	4.905039						
2928000	2.795842	4.887157						
2929000	2.543371	4.860436						
2930000	2.693023	4.487505						
2931000	2.587353	4.886298						
2932000	2.59119	4.751559						
2933000	2.596445	4.917369						
2934000	2.664178	5.153001						
2935000	2.663466	4.847042						
2936000	2.678732	4.938354						
2937000	2.636317	4.870235						
2938000	2.656332	5.387855						
2939000	3.069269	4.829229						
2940000	2.634209	5.064903						
2941000	2.638495	5.085414						
2942000	2.647752	4.790383						
2943000	2.618195	4.638728						

2944000	2.53601	4.856176						
2945000	2.60697	4.766421						
2946000	2.682633	4.898359						
2947000	2.721648	4.929405						
2948000	2.568064	5.094844						
2949000	2.635757	5.177796						
2950000	2.678959	4.888248						
2951000	2.732586	4.888239						
2952000	2.568796	5.051604						
2953000	2.738069	5.040255						
2954000	2.782861	4.804544						
2955000	2.634181	5.043003						
2956000	2.525135	5.01295						
2957000	2.661062	5.001046						
2958000	2.680215	4.953548						
2959000	2.728851	5.112508						
2960000	2.512754	5.038645						
2961000	2.62185	4.716565						
2962000	2.646454	4.728665						
2963000	2.659442	4.792473						
2964000	2.457598	4.963443						
2965000	2.642264	4.825904						
2966000	2.695916	4.798914						
2967000	2.704418	5.029567						
2968000	2.628718	4.979712						
2969000	2.658014	4.622959						
2970000	2.644024	4.960973						
2971000	2.684995	4.792126						
2972000	2.684327	4.895624						
2973000	2.696049	4.827348						
2974000	2.702406	4.939636						
2975000	2.523017	4.905105						

2976000	2.641741	5.021267						
2977000	2.662246	4.832021						
2978000	4.196013	5.467051						
2979000	2.483428	4.954136						
2980000	2.595438	4.87731						
2981000	2.627316	4.902022						
2982000	2.622621	4.922527						
2983000	2.859852	4.762196						
2984000	2.837867	4.772784						
2985000	2.994345	4.778779						
2986000	2.837005	4.949783						
2987000	2.857181	5.132314						
2988000	2.91	4.906075						
2989000	2.936398	4.851515						
2990000	2.985733	4.909671						
2991000	2.935835	5.021012						
2992000	2.925528	4.67353						
2993000	2.983464	5.003392						
2994000	2.950675	5.054305						
2995000	2.847897	5.207006						
2996000	2.829925	4.68733						
2997000	2.929029	4.896984						
2998000	3.045589	4.88332						
2999000	2.950477	5.078191						
3000000	2.888293	4.562925						
3001000	3.104044	4.999103						
3002000	2.933236	4.872992						
3003000	2.857767	4.734928						
3004000	2.810328	4.641267						
3005000	2.935807	4.889967						
3006000	2.918275	4.933515						
3007000	2.829531	5.02307						

3008000	2.929925	4.859334						
3009000	2.943587	4.84567						
3010000	2.850172	4.949012						
3011000	2.910592	5.053907						
3012000	2.985249	4.912632						
3013000	2.732378	4.924808						
3014000	2.812733	5.073704						
3015000	2.868839	5.034804						
3016000	2.97295	4.839136						
3017000	2.921024	4.558246						
3018000	2.737415	4.838661						
3019000	2.873574	5.08241						
3020000	2.947801	4.913096						
3021000	2.952922	4.925069						
3022000	2.758486	4.909001						
3023000	2.957227	4.973739						
3024000	2.851867	4.842406						
3025000	2.550498	4.888703						
3026000	2.727153	5.025808						
3027000	2.769372	4.8492						
3028000	2.850897	4.890883						
3029000	2.68307	4.853192						
3030000	2.822224	4.99028						
3031000	2.8764	4.961361						
3032000	2.823539	4.91858						
3033000	2.699063	4.927125						
3034000	2.797133	4.796376						
3035000	2.860877	4.847514						
3036000	2.814037	5.107239						
3037000	2.800853	5.06873						
3038000	2.839726	4.932189						
3039000	2.900394	5.033155						

3040000	2.84761	4.937359						
3041000	2.86617	5.182723						
3042000	2.827314	5.031784						
3043000	2.920894	4.720046						
3044000	2.676647	4.919979						
3045000	2.834761	5.035282						
3046000	2.866513	4.825216						
3047000	2.872786	4.878757						
3048000	2.743132	4.629428						
3049000	2.816439	4.490736						
3050000	2.918673	4.849092						
3051000	2.788156	5.02201						
3052000	2.852307	5.023468						
3053000	2.900661	4.840799						
3054000	2.795508	4.863085						
3055000	2.726035	5.079369						
3056000	2.90285	4.907087						
3057000	2.846647	4.86752						
3058000	2.988197	4.907716						
3059000	2.823229	5.138559						
3060000	2.898212	4.830138						
3061000	2.856794	5.050649						
3062000	2.754751	4.954755						
3063000	2.852906	5.135717						
3064000	2.814765	4.920002						
3065000	2.842783	4.997965						
3066000	2.744654	7.079089						
3067000	2.713501	4.842738						
3068000	2.770083	4.762051						
3069000	2.820518	4.840711						
3070000	2.639369	4.995673						
3071000	2.694131	4.843096						



3072000	2.72198	4.951859						
3073000	2.728663	4.969861						
3074000	3.647905	4.743215						
3075000	2.784859	4.828193						
3076000	2.814123	4.783203						
3077000	2.797802	4.89533						
3078000	2.807498	5.005406						
3079000	2.900625	4.963777						
3080000	2.793805	4.960862						
3081000	2.7866	4.985927						
3082000	2.857823	4.940895						
3083000	2.824143	4.988972						
3084000	2.809586	5.173806						
3085000	2.876069	4.924248						
3086000	2.939835	5.01895						
3087000	2.719693	4.980101						
3088000	2.735589	4.557396						
3089000	2.824888	5.006996						
3090000	2.800328	4.876316						
3091000	2.879019	4.711982						
3092000	2.825543	4.984726						
3093000	2.827928	5.117903						
3094000	2.769302	5.043435						
3095000	2.802852	4.78254						
3096000	2.823288	5.086952						
3097000	2.693418	5.059851						
3098000	2.766646	4.945279						
3099000	2.886473	4.701813						
3100000	2.848785	4.956612						
3101000	2.816977	5.218495						
3102000	2.810445	4.896458						
3103000	2.645532	4.761193						

3104000	2.687255	4.972946						
3105000	2.697036	4.749357						
3106000	2.749233	5.013231						
3107000	2.759531	4.979597						
3108000	2.804722	4.698649						
3109000	2.847361	4.79421						
3110000	2.685054	4.879939						
3111000	2.81714	4.891218						
3112000	2.747682	4.813656						
3113000	2.731569	4.820081						
3114000	2.762793	4.828787						
3115000	2.678143	4.826089						
3116000	2.852746	4.862892						
3117000	2.749743	4.874348						
3118000	2.847684	4.99798						
3119000	2.852447	4.720918						
3120000	2.59336	5.096054						
3121000	2.717392	6.235204						
3122000	3.084251	5.185298						
3123000	2.709888	4.756398						
3124000	2.777834	4.908297						
3125000	2.861922	4.9309						
3126000	2.814203	4.804778						
3127000	2.869736	4.913935						
3128000	2.785649	4.774819						
3129000	2.89766	4.766207						
3130000	2.839018	4.934759						
3131000	2.822648	4.912772						
3132000	2.756567	4.904194						
3133000	2.778314	4.975123						
3134000	2.750541	5.074585						
3135000	2.752297	4.885062						

3136000	2.910397	4.699636						
3137000	2.871868	4.919488						
3138000	2.771552	5.060245						
3139000	2.785966	4.863832						
3140000	2.824851	5.0432						
3141000	2.788799	5.161032						
3142000	2.717164	4.937126						
3143000	2.905638	4.884355						
3144000	2.675114	4.96509						
3145000	2.925587	4.882741						
3146000	2.891597	5.130618						
3147000	2.726053	5.039097						
3148000	2.779102	4.694157						
3149000	2.79595	5.047885						
3150000	2.68804	4.913527						
3151000	2.778507	4.643916						
3152000	2.798156	4.80439						
3153000	2.749284	5.100792						
3154000	2.735328	4.564428						
3155000	2.672032	5.002947						
3156000	2.737934	4.937685						
3157000	2.747764	4.718121						
3158000	3.183922	5.154495						
3159000	2.966031	4.969525						
3160000	3.035912	4.907333						
3161000	3.080748	4.951944						
3162000	3.10716	5.044479						
3163000	3.121793	5.0594						
3164000	3.191843	4.796255						
3165000	3.394906	4.669148						
3166000	3.518832	4.702051						
3167000	3.314455	4.710225						

3168000	3.357758	4.590815						
3169000	3.559107	4.845995						
3170000	3.219214	4.769137						
3171000	3.137942	4.914399						
3172000	3.178274	4.878741						
3173000	3.093906	4.991909						
3174000	3.194996	4.971519						
3175000	3.08022	5.125643						
3176000	3.114584	4.764117						
3177000	3.038623	4.771829						
3178000	3.106567	4.992361						
3179000	3.076103	4.879139						
3180000	2.658818	4.941531						
3181000	2.882664	4.722308						
3182000	2.991027	4.831371						
3183000	3.070637	4.897684						
3184000	2.86827	4.97253						
3185000	3.014741	4.906291						
3186000	2.965743	4.80793						
3187000	2.924065	4.882698						
3188000	2.949045	4.744755						
3189000	3.086543	4.992973						
3190000	2.891249	5.068018						
3191000	2.816737	4.771559						
3192000	3.248987	4.167993						
3193000	2.931907	4.834258						
3194000	2.986894	4.728645						
3195000	2.983672	4.951785						
3196000	2.906808	4.829138						
3197000	2.868897	4.600794						
3198000	2.789938	4.926625						
3199000	2.820146	4.912636						

3200000	2.886714	4.788874						
1000	3.07469	4.68154						
2000	4.325377	4.73677						
3000	5.035214	4.856357						
4000	4.765937	4.760712						
5000	4.920467	4.864419						
6000	4.912154	4.766477						
7000	4.992384	4.86246						
8000	4.927334	4.805786						
9000	5.090207	4.906118						
10000	4.935622	4.814044						
11000	5.057452	4.882399						
12000	4.13779	4.810237						
13000	4.303863	4.892679						
14000	4.278517	4.826159						
15000	4.745879	4.887005						
16000	2.641703	5.536364						
17000	4.389532	4.888293						
18000	4.453584	4.837472						
19000	4.498173	4.884261						
20000	4.493049	4.830747						
21000	4.375065	4.884771						
22000	4.503435	4.820868						
23000	4.60171	4.902589						
24000	4.576446	4.82814						
25000	4.689389	4.889444						
26000	4.454727	4.823209						
27000	4.701094	4.899132						
28000	4.610981	4.853524						
29000	4.961475	5.286896						
30000	4.648833	4.831012						
31000	4.552029	4.899554						

32000	4.632066	4.841217						
33000	4.715803	4.919993						
34000	4.098374	4.82852						
35000	4.680753	4.898922						
36000	4.67144	4.852712						
37000	4.662377	4.909181						
38000	4.634617	5.590975						
39000	4.284961	5.665053						
40000	4.464603	4.845391						
41000	4.519995	4.906191						
42000	4.8186	5.023886						
43000	4.77355	4.902021						
44000	4.666912	4.846901						
45000	4.648854	4.907985						
46000	4.740396	4.84234						
47000	4.777486	4.912144						
48000	4.743513	4.935259						
49000	4.821106	4.901638						
50000	4.693974	4.851345						
51000	4.800321	4.916995						
52000	4.779469	4.851781						
53000	4.850923	4.909068						
54000	4.859081	4.855069						
55000	4.849701	4.913592						
56000	4.820203	4.848841						
57000	4.865168	4.910427						
58000	6.31955	4.846629						
59000	4.853801	4.912494						
60000	4.830018	4.839385						
61000	4.834694	3.998742						
62000	4.784592	4.856391						
63000	4.70629	4.91285						

64000	4.726959	4.854804						
65000	4.880429	5.39183						
66000	4.461867	6.563783						
67000	4.89533	4.908088						
68000	4.859596	5.159874						
69000	4.827284	4.980416						
70000	4.885424	4.850304						
71000	4.926821	4.922056						
72000	4.932649	4.846847						
73000	4.923075	4.916469						
74000	4.772691	4.849513						
75000	4.874578	4.915112						
76000	4.842204	4.852738						
77000	5.07067	4.610489						
78000	4.792058	4.841065						
79000	4.823349	4.91452						
80000	6.076462	3.72687						
81000	4.742661	4.9138						
82000	4.429079	4.840667						
83000	4.460583	4.915142						
84000	4.546911	4.853642						
85000	4.720836	4.903421						
86000	4.762321	4.854261						
87000	4.789341	4.910187						
88000	4.728445	4.858382						
89000	4.853122	4.916183						
90000	4.804954	4.20954						
91000	4.853438	4.91048						
92000	4.891018	4.848965						
93000	4.831335	4.923806						
94000	4.871412	4.854223						
95000	4.930623	4.923523						

96000	4.90632	5.177375						
97000	3.827007	4.947331						
98000	4.884258	4.895828						
99000	4.946227	4.908559						
100000	4.981851	4.85557						
101000	4.932459	4.920197						
102000	4.846215	4.852224						
103000	4.863973	4.90948						
104000	4.849541	4.900464						
105000	4.833277	4.920471						
106000	4.832825	4.854535						
107000	4.844719	4.915654						
108000	4.871425	4.851284						
109000	4.940117	5.205176						
110000	4.879891	4.681514						
111000	5.561383	3.565927						
112000	4.966029	3.901964						
113000	4.961853	4.911085						
114000	4.97662	4.851672						
115000	4.943804	4.952448						
116000	4.882695	4.857726						
117000	4.873981	4.918461						
118000	4.839121	4.85039						
119000	4.874053	5.887506						
120000	4.817652	5.189734						
121000	3.253788	4.911111						
122000	4.764196	5.002739						
123000	4.78018	4.915426						
124000	4.721936	4.85756						
125000	4.645435	4.919914						
126000	4.36094	4.852413						
127000	4.486808	4.40973						



128000	4.733495	4.020201						
129000	4.775608	4.913691						
130000	4.989505	4.893001						
131000	4.413127	4.918992						
132000	4.835793	4.856233						
133000	4.859304	4.919106						
134000	4.892226	5.075561						
135000	4.915807	4.728386						
136000	4.883201	4.853337						
137000	5.960666	3.779046						
138000	4.90066	3.982901						
139000	5.137196	4.920676						
140000	4.734051	4.837926						
141000	4.899387	4.917047						
142000	4.926868	4.857713						
143000	5.002627	4.914806						
144000	4.902558	4.852101						
145000	4.850445	4.914044						
146000	4.817764	4.86522						
147000	4.884124	5.124799						
148000	4.75839	3.548751						
149000	5.354345	4.914846						
150000	4.496018	4.855539						
151000	4.953023	5.503183						
152000	4.875479	4.887916						
153000	4.942961	4.920829						
154000	4.887742	4.85704						
155000	4.993323	4.878289						
156000	5.008338	4.452181						
157000	4.988938	5.712187						
158000	3.536219	5.373007						
159000	4.815955	4.91623						

160000	4.871808	4.6428						
161000	4.911501	4.918512						
162000	4.858189	4.862339						
163000	4.857776	4.912492						
164000	4.796042	4.850042						
165000	4.809717	4.920319						
166000	4.724774	4.860152						
167000	4.836014	4.922485						
168000	4.814273	4.851249						
169000	4.413148	4.913712						
170000	4.595388	4.856054						
171000	4.713869	4.938824						
172000	4.993395	4.200507						
173000	5.405401	3.562335						
174000	4.797347	4.856434						
175000	4.870896	4.916759						
176000	4.846482	4.860863						
177000	4.924216	5.576651						
178000	4.857939	4.739763						
179000	4.900771	4.919026						
180000	4.866667	4.893417						
181000	5.221143	4.950215						
182000	4.912902	4.858217						
183000	4.933791	4.914923						
184000	3.935841	5.014497						
185000	5.006329	5.241941						
186000	5.060279	4.857259						
187000	4.913969	4.899571						
188000	4.743663	4.886085						
189000	4.870343	4.914993						
190000	4.708395	4.808014						
191000	4.903574	4.951638						

192000	4.863826	4.855921						
193000	4.899936	5.227583						
194000	4.648172	4.923468						
195000	3.68121	4.914131						
196000	4.910508	4.854357						
197000	4.964013	4.913914						
198000	4.95138	4.838041						
199000	4.985873	4.992405						
200000	4.627519	5.277102						
201000	4.841012	5.516678						
202000	5.020564	4.855079						
203000	4.925767	4.91667						
204000	4.88426	4.753396						
205000	4.797424	4.918271						
206000	5.424332	5.239792						
207000	4.513428	4.919813						
208000	4.740719	4.859349						
209000	5.128202	4.912711						
210000	4.674847	5.202787						
211000	4.29682	4.914795						
212000	4.527689	4.9258						
213000	4.153579	5.004749						
214000	4.689188	4.858987						
215000	4.778006	4.944						
216000	4.822701	4.619567						
217000	4.802569	4.913675						
218000	4.824617	4.981389						
219000	4.511216	4.911152						
220000	4.861869	4.854869						
221000	5.468745	5.059166						
222000	4.960086	4.856665						
223000	4.93713	5.485169						

224000	4.88627	5.521331						
225000	4.256594	4.8928						
226000	4.784195	4.841427						
227000	5.042919	4.910791						
228000	4.959428	4.877338						
229000	4.946763	4.929128						
230000	4.491392	4.235767						
231000	4.796616	4.912298						
232000	4.823591	4.773612						
233000	4.959473	4.913428						
234000	4.618019	4.856346						
235000	5.199253	4.590805						
236000	4.482533	4.806677						
237000	5.074238	4.942839						
238000	4.922433	4.855837						
239000	4.948765	4.918301						
240000	5.480654	4.963814						
241000	4.866317	4.894085						
242000	4.929127	4.881208						
243000	4.955082	5.555184						
244000	5.329563	5.007395						
245000	4.963287	4.907205						
246000	4.867957	4.860754						
247000	4.521839	4.919198						
248000	4.816459	4.979961						
249000	4.802927	5.12814						
250000	4.962378	4.844252						
251000	4.816214	4.920801						
252000	4.675579	4.873469						
253000	4.657324	4.90599						
254000	4.508616	4.847779						
255000	4.554436	4.90576						

256000	4.817939	5.315007						
257000	4.111028	9.768514						
258000	4.736487	3.727265						
259000	4.382969	4.51627						
260000	4.713613	4.850015						
261000	4.491678	5.112778						
262000	3.852144	7.52402						
263000	4.878005	4.824354						
264000	4.797619	4.506667						
265000	4.434602	5.618964						
266000	4.565927	4.481818						
267000	4.302411	4.906679						
268000	4.90434	4.896605						
269000	4.67052	4.847681						
270000	5.576243	3.835624						
271000	4.946479	4.999126						
272000	4.75578	4.814131						
273000	4.903541	4.906674						
274000	4.815066	4.854514						
275000	4.842118	4.911011						
276000	4.757794	5.054878						
277000	4.629074	4.890323						
278000	4.813326	4.853468						
279000	4.931654	4.911401						
280000	4.930962	4.930715						
281000	4.861358	4.892203						
282000	4.801818	4.847273						
283000	5.093505	4.893436						
284000	4.910469	4.941736						
285000	4.049789	4.734171						
286000	4.989219	4.917405						
287000	4.763224	4.907719						

288000	4.49728	5.006305						
289000	4.747234	5.051601						
290000	4.591334	4.850435						
291000	4.981728	4.895277						
292000	4.696321	4.966072						
293000	4.728051	4.982754						
294000	4.583351	4.854295						
295000	4.701262	4.932386						
296000	4.605224	4.82535						
297000	4.420995	4.947645						
298000	4.525422	4.831836						
299000	4.65491	4.91959						
300000	4.702038	4.801017						
301000	4.952118	4.721902						
302000	4.551588	4.852014						
303000	4.794302	4.931329						
304000	4.644428	4.846085						
305000	4.929392	4.864797						
306000	5.224883	4.754533						
307000	4.722082	4.885653						
308000	4.750314	4.820016						
309000	5.099916	4.880401						
310000	4.325198	4.837024						
311000	4.773146	4.859384						
312000	4.858863	4.848674						
313000	4.924728	4.311057						
314000	5.063811	4.817844						
315000	4.396798	4.913455						
316000	5.21513	4.790392						
317000	4.674354	5.161656						
318000	4.382086	4.955789						
319000	4.644947	4.867537						

320000	4.734538	5.209384						
321000	4.93038	4.774151						
322000	4.768166	4.822245						
323000	4.832589	4.881038						
324000	5.085035	4.812079						
325000	4.947642	4.512624						
326000	4.381374	4.859651						
327000	4.876133	4.814108						
328000	4.768091	4.869682						
329000	5.072041	4.843053						
330000	4.786676	4.233714						
331000	4.67317	4.875568						
332000	4.81452	4.818471						
333000	4.75514	4.763434						
334000	4.528001	4.81373						
335000	4.51681	4.864409						
336000	4.580485	5.110566						
337000	4.735751	4.859671						
338000	4.52788	4.815016						
339000	4.468982	5.288631						
340000	4.065164	4.579986						
341000	4.313065	4.831775						
342000	4.518611	4.794288						
343000	4.943278	4.815106						
344000	5.013425	4.727039						
345000	4.588885	4.88043						
346000	4.709343	4.368408						
347000	4.712671	5.083585						
348000	4.233659	4.682179						
349000	4.64824	4.84119						
350000	4.774288	4.810098						
351000	4.796073	4.348838						

352000	4.791983	4.363893						
353000	4.830299	4.877579						
354000	4.75765	4.801974						
355000	5.317526	5.027851						
356000	4.595247	4.826434						
357000	4.656993	4.722172						
358000	5.186927	5.195065						
359000	4.579371	4.868226						
360000	4.630577	4.876318						
361000	4.968492	4.909429						
362000	4.881857	4.616467						
363000	4.476303	4.803584						
364000	4.910962	4.26189						
365000	4.734431	5.148812						
366000	4.587525	4.799458						
367000	5.013379	4.776406						
368000	4.732486	4.917203						
369000	5.284387	4.715501						
370000	5.146968	4.7251						
371000	4.760623	4.841601						
372000	4.629815	4.341467						
373000	4.976627	5.078786						
374000	4.825263	4.743033						
375000	4.786842	5.009794						
376000	3.615237	4.738511						
377000	4.585005	4.842328						
378000	4.671445	4.931012						
379000	4.816137	4.956114						
380000	3.334267	4.295136						
381000	3.678752	4.464068						
382000	3.971317	4.635302						
383000	4.149674	5.010437						



384000	4.245033	4.762092					
385000	4.284465	4.522581					
386000	3.516762	5.140662					
387000	4.507194	4.726131					
388000	4.456245	5.16557					
389000	4.600181	4.824831					
390000	4.5511	4.826684					
391000	4.618951	5.057515					
392000	3.687826	4.747249					
393000	4.63598	5.201562					
394000	4.462629	5.087743					
395000	4.595967	4.658238					
396000	4.574308	4.81171					
397000	5.002196	4.947673					
398000	4.818368	4.693486					
399000	4.762298	5.025854					
400000	4.012703	4.7751					
401000	5.116423	3.889529					
402000	4.390887	4.772494					
403000	4.408542	4.822077					
404000	4.757541	4.65137					
405000	4.056672	4.815946					
406000	5.247982	4.575168					
407000	4.595549	4.680254					
408000	4.181811	4.154507					
409000	4.47512	4.996299					
410000	4.478608	4.62681					
411000	4.6383	4.764705					
412000	4.870119	4.629056					
413000	4.584336	4.644618					
414000	4.393787	4.725855					
415000	4.648432	4.7429					

416000	4.55446	4.637657						
417000	4.873076	4.922931						
418000	4.519274	4.468774						
419000	4.9899	4.421804						
420000	4.149214	4.748788						
421000	4.497628	4.689001						
422000	4.232966	4.201151						
423000	4.344074	4.785724						
424000	4.224201	5.0123						
425000	4.594538	4.58469						
426000	4.178436	4.798024						
427000	4.577439	4.752875						
428000	4.384321	4.76702						
429000	3.434479	4.65878						
430000	4.309223	5.060531						
431000	4.005635	4.843549						
432000	4.145964	4.668841						
433000	4.445995	5.114074						
434000	4.426678	4.909274						
435000	4.436946	4.833033						
436000	4.449664	4.973393						
437000	4.15285	4.81866						
438000	4.489437	4.869918						
439000	4.224225	4.712048						
440000	4.389092	4.696555						
441000	4.69651	4.223503						
442000	4.145066	4.626732						
443000	4.322738	4.827051						
444000	4.577414	4.662713						
445000	4.276777	4.835631						
446000	3.574725	4.740578						
447000	4.27164	4.712491						

448000	4.140936	4.689537						
449000	4.443247	4.5854						
450000	4.508743	4.681946						
451000	4.433196	4.763236						
452000	4.633141	5.397421						
453000	3.764316	4.603927						
454000	4.409282	4.675229						
455000	3.753806	4.771959						
456000	4.356805	4.713886						
457000	4.665918	4.620224						
458000	4.66791	4.110483						
459000	4.369481	4.96941						
460000	4.283917	4.731664						
461000	4.375672	5.162381						
462000	4.341019	4.639506						
463000	4.35512	4.608849						
464000	3.708791	4.733161						
465000	4.327057	4.93253						
466000	4.2727	4.653246						
467000	3.469878	4.332325						
468000	4.264613	4.473525						
469000	3.981897	4.785259						
470000	4.427189	4.604366						
471000	4.028319	4.818329						
472000	4.343365	4.684935						
473000	4.235261	4.798266						
474000	3.947733	5.100986						
475000	4.138194	4.767746						
476000	4.249943	4.554285						
477000	4.143668	4.83908						
478000	4.535754	4.606027						
479000	4.231039	4.581777						

480000	4.353611	5.033301						
481000	4.113803	4.679185						
482000	4.420859	4.606877						
483000	4.76216	4.66813						
484000	4.06976	4.510662						
485000	4.444984	4.594001						
486000	4.650178	3.779838						
487000	4.306762	4.618147						
488000	4.304712	4.742058						
489000	3.975094	4.721907						
490000	3.584268	4.61778						
491000	4.626738	4.442045						
492000	4.307578	4.693077						
493000	3.830162	4.76729						
494000	4.169791	4.764613						
495000	4.335117	4.834093						
496000	4.283422	4.60007						
497000	4.423992	4.905174						
498000	4.2867	4.199683						
499000	3.865341	4.827042						
500000	4.225407	4.816968						
501000	4.456577	4.811402						
502000	3.479336	4.688032						
503000	4.25176	5.077128						
504000	4.099592	4.611955						
505000	4.391646	4.909971						
506000	3.562088	4.644621						
507000	4.093479	4.851974						
508000	4.192866	4.536433						
509000	4.001595	4.132382						
510000	3.877149	4.705125						
511000	4.07717	4.787731						

512000	4.098217	4.605338						
513000	3.912219	4.874162						
514000	4.248377	4.665459						
515000	4.300592	4.184357						
516000	4.109782	4.598542						
517000	4.320372	4.708194						
518000	3.811044	4.651074						
519000	4.394364	4.091776						
520000	4.082838	4.671979						
521000	4.300194	3.933011						
522000	4.494561	4.477637						
523000	4.239432	4.529719						
524000	4.323758	4.21141						
525000	4.680271	4.803213						
526000	4.302688	4.438861						
527000	3.914933	4.701447						
528000	4.22352	4.998315						
529000	4.242023	4.661941						
530000	4.236266	4.490762						
531000	4.53919	4.67084						
532000	4.001092	4.605366						
533000	4.165849	4.680413						
534000	4.214388	5.385796						
535000	4.20605	4.662925						
536000	3.980526	4.64531						
537000	4.29168	4.564867						
538000	4.446246	3.734111						
539000	3.78067	4.304543						
540000	4.36448	4.416356						
541000	4.311703	4.539708						
542000	4.57673	4.684334						
543000	4.215516	4.687274						

544000	4.497527	5.211655						
545000	4.187488	4.526165						
546000	4.003507	4.718172						
547000	4.32213	5.051417						
548000	4.090834	4.718256						
549000	3.748608	4.259587						
550000	4.0713	4.823088						
551000	4.035467	4.594085						
552000	4.03542	4.569841						
553000	4.322969	4.694535						
554000	3.941669	4.529276						
555000	3.763104	4.630366						
556000	3.973551	4.819861						
557000	4.116024	4.960686						
558000	3.919478	4.294851						
559000	4.118339	4.694874						
560000	4.130587	4.249184						
561000	4.5012	4.57884						
562000	4.146174	4.442374						
563000	4.247739	4.695885						
564000	3.919962	4.523841						
565000	4.279133	3.980774						
566000	4.189566	4.391696						
567000	4.217799	4.046907						
568000	4.257668	4.720165						
569000	4.11287	4.578408						
570000	4.41479	3.62617						
571000	4.080397	4.458545						
572000	3.183891	4.37836						
573000	3.631865	4.771145						
574000	3.546976	4.106778						
575000	3.65344	4.573309						

576000	4.695856	4.462015						
577000	4.196452	4.51764						
578000	3.668507	4.288593						
579000	3.900286	4.558657						
580000	4.251864	4.681754						
581000	4.402029	4.353525						
582000	4.242546	4.783432						
583000	3.701012	4.652243						
584000	4.083893	4.817747						
585000	4.171071	4.619234						
586000	4.35255	4.648416						
587000	3.937437	4.558241						
588000	4.264098	4.669442						
589000	3.96811	4.629232						
590000	4.339619	4.542607						
591000	3.584267	4.592243						
592000	4.095012	4.57976						
593000	3.695558	4.008277						
594000	3.823263	4.588446						
595000	4.054944	4.5011						
596000	4.105936	4.705083						
597000	3.6721	4.649092						
598000	4.003916	4.817354						
599000	4.263363	4.61633						
600000	4.188962	4.552397						
601000	4.411675	3.555068						
602000	3.271529	4.565019						
603000	3.874884	4.716779						
604000	3.983202	4.664208						
605000	3.89086	4.472263						
606000	4.075916	4.570156						
607000	3.65382	4.470608						

608000	4.306219	4.410668						
609000	4.077924	4.408449						
610000	4.327665	4.665186						
611000	3.541359	4.550607						
612000	4.100345	4.618649						
613000	4.389668	4.485074						
614000	4.190067	4.758268						
615000	3.714592	4.562539						
616000	3.978386	4.87434						
617000	3.902684	4.634754						
618000	4.275913	4.607045						
619000	3.87679	4.750953						
620000	3.885273	4.555943						
621000	4.009247	4.832922						
622000	4.081225	4.828118						
623000	3.895832	4.409613						
624000	4.163857	4.754204						
625000	4.034909	4.691798						
626000	4.008895	4.582138						
627000	3.984811	4.251788						
628000	4.139466	4.381321						
629000	4.063117	5.063452						
630000	4.000517	4.483499						
631000	4.137655	4.114426						
632000	4.22003	4.533576						
633000	3.962283	4.549175						
634000	4.390885	3.504784						
635000	3.982513	4.530479						
636000	3.400088	4.458189						
637000	3.872297	5.036293						
638000	3.592896	4.313956						
639000	3.663204	4.667173						



640000	3.813488	4.632337						
641000	3.995715	4.536407						
642000	3.957999	4.455339						
643000	4.058942	4.324494						
644000	3.947688	4.44693						
645000	4.40441	4.186636						
646000	3.942537	4.398823						
647000	4.285562	4.561603						
648000	4.201766	4.580066						
649000	3.590143	4.536141						
650000	4.266809	4.44657						
651000	3.979079	4.784665						
652000	4.026498	4.64328						
653000	3.967946	4.519044						
654000	3.996699	5.05213						
655000	3.905474	4.536771						
656000	4.321606	4.286484						
657000	3.70903	4.654308						
658000	4.3489	4.316855						
659000	3.349635	4.701575						
660000	3.502105	4.48002						
661000	3.980504	4.898068						
662000	4.03985	4.308608						
663000	4.228123	4.441574						
664000	3.999582	4.049412						
665000	3.984244	4.643644						
666000	3.979271	4.082846						
667000	3.796399	4.700675						
668000	4.070678	4.578393						
669000	3.921202	4.776072						
670000	4.131846	4.508887						
671000	3.397986	4.572571						

672000	3.367959	4.529682						
673000	3.918087	4.230965						
674000	3.618834	4.187773						
675000	4.195781	4.509189						
676000	3.804309	4.420379						
677000	3.655146	4.559946						
678000	4.024579	4.17552						
679000	4.066121	4.450491						
680000	3.966289	4.435518						
681000	3.351043	4.593623						
682000	3.784596	4.949086						
683000	3.754598	4.120158						
684000	4.1182	4.13188						
685000	3.814701	4.635339						
686000	4.002114	4.417997						
687000	3.87013	4.856527						
688000	3.556592	4.468333						
689000	3.943348	4.361623						
690000	3.806602	4.476775						
691000	4.187149	3.9327						
692000	3.938973	4.608396						
693000	3.775279	4.456954						
694000	4.084295	4.762747						
695000	3.782348	4.536311						
696000	4.001638	4.554154						
697000	4.015918	4.4874						
698000	3.827717	4.498811						
699000	3.99106	4.360292						
700000	3.900025	4.410719						
701000	4.284006	4.31471						
702000	3.894307	4.614331						
703000	4.136741	4.434708						

704000	3.98479	4.815128						
705000	3.773237	4.442509						
706000	3.914783	3.910763						
707000	3.626609	4.444634						
708000	4.073424	4.104046						
709000	3.94152	4.95468						
710000	3.49539	4.169597						
711000	3.830158	4.107249						
712000	3.894173	4.58087						
713000	3.95863	4.759475						
714000	3.917126	4.587085						
715000	3.75081	4.418606						
716000	3.905189	4.221047						
717000	3.949643	4.792459						
718000	4.100967	4.346815						
719000	3.890473	4.777828						
720000	3.874533	4.442147						
721000	3.862168	4.762912						
722000	3.770951	4.256426						
723000	3.876324	4.735683						
724000	3.725991	4.625971						
725000	3.395324	4.413556						
726000	3.897295	3.764744						
727000	3.857472	4.585139						
728000	3.42594	4.510287						
729000	3.580646	4.438346						
730000	3.859528	4.703721						
731000	3.779839	4.49156						
732000	3.929635	4.558975						
733000	3.529805	4.464099						
734000	3.888348	4.832221						
735000	3.549276	4.589269						

736000	4.128627	4.453091						
737000	3.939779	4.59137						
738000	3.365583	4.559474						
739000	3.541823	4.3835						
740000	4.09868	4.561138						
741000	3.975095	4.514041						
742000	3.866573	4.678169						
743000	3.88541	4.411726						
744000	4.26169	4.138193						
745000	3.744382	4.831148						
746000	3.594284	4.428238						
747000	3.43378	4.432264						
748000	3.865586	4.561678						
749000	3.912762	4.728447						
750000	3.894408	4.92497						
751000	3.722765	4.489885						
752000	4.123616	4.43499						
753000	3.926546	4.90992						
754000	3.816683	4.448774						
755000	3.966068	4.497532						
756000	4.097097	4.40064						
757000	4.022766	4.513147						
758000	3.956022	4.725609						
759000	3.688436	4.370048						
760000	4.095173	4.437364						
761000	3.934709	4.781051						
762000	3.944239	4.587755						
763000	4.092038	4.43335						
764000	3.410656	4.496853						
765000	3.879776	4.386462						
766000	3.926167	4.456404						
767000	3.64329	4.792494						

768000	3.16084	4.375494						
769000	4.068067	4.590776						
770000	3.772237	3.95272						
771000	3.819629	4.01499						
772000	3.757732	4.044551						
773000	3.959511	4.536977						
774000	3.836003	4.449491						
775000	3.882511	5.002188						
776000	3.813043	4.437085						
777000	3.815181	4.543635						
778000	3.989234	4.54697						
779000	3.775327	4.62029						
780000	4.100644	4.636462						
781000	3.851374	4.617401						
782000	3.689329	4.379435						
783000	4.075917	4.524714						
784000	3.893935	4.799383						
785000	3.925885	4.492357						
786000	3.776762	4.488959						
787000	4.003583	3.982614						
788000	3.738362	3.968252						
789000	3.928998	4.51134						
790000	3.812877	4.765627						
791000	3.653091	4.559859						
792000	3.975391	4.4315						
793000	3.635558	4.747302						
794000	3.771968	4.462093						
795000	3.956057	4.455307						
796000	3.513099	4.886242						
797000	3.838498	4.426639						
798000	4.099936	3.732302						
799000	3.898388	4.828207						

800000	3.860368	4.237467						
801000	3.463823	4.501431						
802000	4.209977	4.415525						
803000	3.965522	4.406129						
804000	4.286386	4.030751						
805000	3.865349	4.762766						
806000	3.785984	4.22573						
807000	3.595619	4.440102						
808000	3.912581	3.91027						
809000	3.772845	4.463847						
810000	3.59766	4.750884						
811000	3.757078	4.326496						
812000	3.865691	4.60915						
813000	3.77444	4.46741						
814000	3.922067	3.985594						
815000	3.66215	4.773806						
816000	3.850283	4.390402						
817000	3.645703	4.519071						
818000	3.53421	4.457477						
819000	3.948248	4.504115						
820000	3.948457	4.013578						
821000	3.79764	4.656872						
822000	3.831822	4.438949						
823000	3.6763	4.432545						
824000	4.092545	4.46158						
825000	3.949307	4.562205						
826000	3.70807	4.385118						
827000	3.950905	4.626083						
828000	3.918943	4.718346						
829000	3.390235	4.375807						
830000	4.044441	4.426342						
831000	3.759522	4.429489						

832000	3.808244	4.775078						
833000	3.642282	4.501408						
834000	3.881139	4.027173						
835000	3.498173	4.57366						
836000	3.990048	4.368793						
837000	4.050832	4.569138						
838000	3.587574	4.405281						
839000	3.78846	4.758908						
840000	3.85564	4.477588						
841000	3.725444	3.754899						
842000	3.838684	4.369856						
843000	3.740585	4.503885						
844000	3.940316	3.944737						
845000	3.736456	4.759504						
846000	3.786772	4.520209						
847000	4.240185	4.060813						
848000	3.685593	4.134686						
849000	3.665913	4.664615						
850000	3.638531	4.286482						
851000	3.908775	4.36394						
852000	3.718773	4.709875						
853000	3.65751	4.704635						
854000	3.524606	4.557629						
855000	3.512769	4.544136						
856000	3.844682	4.738717						
857000	3.598175	4.464407						
858000	3.950271	4.331391						
859000	3.72039	3.879229						
860000	3.758697	4.581935						
861000	3.749287	4.743286						
862000	3.802291	4.407235						
863000	3.591015	4.53082						

864000	3.774779	4.432828						
865000	3.734243	4.397724						
866000	3.857694	4.067015						
867000	3.789595	4.721939						
868000	3.744447	4.440294						
869000	3.765715	4.442612						
870000	3.898132	4.169691						
871000	3.751577	4.506446						
872000	3.951992	4.435418						
873000	4.104253	4.602907						
874000	3.715632	3.878871						
875000	3.827896	4.346816						
876000	3.321436	4.636299						
877000	3.800306	4.588841						
878000	3.806203	4.784621						
879000	3.694488	4.382741						
880000	3.449115	4.268761						
881000	4.025853	4.434858						
882000	3.866677	4.465763						
883000	4.037316	4.375413						
884000	3.775443	4.461023						
885000	3.781761	4.608756						
886000	3.867757	4.754917						
887000	3.76089	4.454383						
888000	3.505272	4.125521						
889000	3.75477	4.436973						
890000	3.823841	4.510153						
891000	3.912024	4.434311						
892000	3.333486	4.449649						
893000	3.731842	4.375291						
894000	3.628513	4.709794						
895000	3.583681	4.788507						



896000	3.586886	4.514927						
897000	3.905655	4.612215						
898000	3.655129	4.291322						
899000	3.311342	4.709284						
900000	3.547232	4.30591						
901000	3.507915	4.37676						
902000	3.828068	4.209679						
903000	3.809332	4.259446						
904000	3.790542	3.940265						
905000	3.926611	4.50846						
906000	3.806687	4.432827						
907000	3.847674	4.79781						
908000	3.81182	4.448714						
909000	3.199473	4.397604						
910000	3.510668	4.345329						
911000	3.850907	4.435655						
912000	4.008111	4.484509						
913000	3.729588	4.427628						
914000	4.027667	4.446412						
915000	4.000228	3.935276						
916000	3.74889	4.575422						
917000	3.645939	4.73772						
918000	3.469992	4.288354						
919000	3.862492	4.581474						
920000	3.788491	4.798077						
921000	3.740988	3.498085						
922000	3.691355	4.398749						
923000	3.505017	4.523459						
924000	3.894458	4.635784						
925000	3.441137	4.700174						
926000	3.850259	4.60969						
927000	3.240716	4.355996						

928000	3.870838	4.302764						
929000	4.114387	4.51205						
930000	3.937189	4.608829						
931000	3.833704	4.422778						
932000	3.87318	4.41609						
933000	4.079938	4.490712						
934000	3.782853	4.104853						
935000	3.715807	4.106255						
936000	3.641583	4.519981						
937000	3.389576	4.695614						
938000	3.944225	4.510416						
939000	3.600975	4.293437						
940000	3.501383	4.725737						
941000	3.66653	4.460386						
942000	3.523913	4.149608						
943000	3.277671	4.42943						
944000	3.409731	3.841629						
945000	3.754283	4.64411						
946000	3.485646	4.426474						
947000	3.657427	4.127847						
948000	3.882561	4.338842						
949000	3.890663	4.472111						
950000	3.841321	4.526508						
951000	3.767696	4.455455						
952000	3.744762	4.428571						
953000	4.038589	4.482156						
954000	3.819844	4.054566						
955000	3.853959	4.460057						
956000	3.801593	4.087212						
957000	3.840487	3.87962						
958000	3.888973	4.399793						
959000	3.700038	4.751399						

960000	3.73125	4.823826						
961000	3.660693	4.944931						
962000	3.698845	4.684792						
963000	3.608792	4.56089						
964000	4.172463	4.177216						
965000	3.854749	4.357705						
966000	3.617813	4.590922						
967000	3.712983	4.763252						
968000	3.689706	4.463029						
969000	3.533318	4.297365						
970000	3.765976	4.425829						
971000	3.735107	3.934769						
972000	3.81014	4.583871						
973000	3.810352	4.580428						
974000	3.872067	4.436635						
975000	4.079389	4.539045						
976000	3.776298	4.305921						
977000	3.806298	4.084124						
978000	3.688463	4.493695						
979000	3.50359	4.554086						
980000	3.193259	4.529455						
981000	3.646373	4.632467						
982000	3.421251	4.448772						
983000	3.603608	4.234906						
984000	3.313079	4.692275						
985000	3.509289	4.401193						
986000	3.21057	4.377567						
987000	3.744161	4.289453						
988000	3.315532	4.400851						
989000	3.594236	4.500423						
990000	3.61384	4.571587						
991000	3.616674	4.261364						

992000	3.151146	4.320243						
993000	3.976846	4.255298						
994000	3.54869	4.485757						
995000	3.636794	4.031022						
996000	3.518351	4.634346						
997000	3.635504	4.69006						
998000	3.806966	4.2857						
999000	3.544161	4.42055						
1000000	3.878649	4.316088						
1001000	3.874742	4.525606						
1002000	3.768203	4.237913						
1003000	3.668445	4.485822						
1004000	3.671013	4.572632						
1005000	3.720197	4.466197						
1006000	3.572122	4.45158						
1007000	3.784612	4.526106						
1008000	3.811881	4.106104						
1009000	3.763667	4.632443						
1010000	3.778263	4.857288						
1011000	3.735798	4.683709						
1012000	3.760964	4.438786						
1013000	3.937868	4.36574						
1014000	3.864106	4.520517						
1015000	3.891721	4.023842						
1016000	3.873151	4.261449						
1017000	3.775776	4.736611						
1018000	3.598387	4.323224						
1019000	3.84016	4.063721						
1020000	3.778702	4.381782						
1021000	3.693176	4.406116						
1022000	3.717808	4.162708						
1023000	3.511793	4.202953						

1024000	3.596096	4.525508						
1025000	3.430286	4.431696						
1026000	3.908411	4.474006						
1027000	3.282867	4.376578						
1028000	3.758833	4.335476						
1029000	3.909873	4.421228						
1030000	3.719789	4.591021						
1031000	3.788334	4.758008						
1032000	3.704945	4.415414						
1033000	3.598558	4.407083						
1034000	3.442399	4.471185						
1035000	3.193679	4.481862						
1036000	3.777201	4.529414						
1037000	3.829908	4.581849						
1038000	3.91557	4.394861						
1039000	3.63311	4.217307						
1040000	3.89358	4.408395						
1041000	3.784996	4.67818						
1042000	3.810153	4.591483						
1043000	3.305508	4.271492						
1044000	3.752218	3.617574						
1045000	3.896511	4.449962						
1046000	3.777368	4.48414						
1047000	3.722169	4.329565						
1048000	3.738207	4.56319						
1049000	3.831616	4.744125						
1050000	3.580479	4.397701						
1051000	3.855377	4.586376						
1052000	3.255629	4.399143						
1053000	3.293867	4.470088						
1054000	3.700044	4.337447						
1055000	3.781075	4.594197						

1056000	3.939072	4.332658						
1057000	3.904501	4.459103						
1058000	3.847322	4.110846						
1059000	3.938522	4.421497						
1060000	3.84553	4.399941						
1061000	3.757637	4.433222						
1062000	3.699167	4.298341						
1063000	3.868068	4.508656						
1064000	3.839781	4.309501						
1065000	3.849857	4.548017						
1066000	3.374871	4.635519						
1067000	3.509171	4.247692						
1068000	3.474635	4.33754						
1069000	3.311437	4.71547						
1070000	3.605975	4.159487						
1071000	3.610877	4.266886						
1072000	3.548826	4.378213						
1073000	3.811888	4.394563						
1074000	3.703708	4.421645						
1075000	3.810734	4.513166						
1076000	3.907306	4.415037						
1077000	3.451742	4.425745						
1078000	3.460561	4.091911						
1079000	3.637854	3.979072						
1080000	3.774875	4.621285						
1081000	3.693609	4.644052						
1082000	3.776527	4.249367						
1083000	3.684927	4.500982						
1084000	3.828457	4.283289						
1085000	3.609517	4.471193						
1086000	3.840256	4.220611						
1087000	3.695215	4.475991						

1088000	3.407826	4.534969						
1089000	3.859051	4.463326						
1090000	3.710585	4.229172						
1091000	3.700654	4.085381						
1092000	3.674013	4.626014						
1093000	3.736258	4.473954						
1094000	3.802576	3.954588						
1095000	3.703947	4.577424						
1096000	3.669269	4.372425						
1097000	3.86445	4.308523						
1098000	3.249265	4.434244						
1099000	3.540264	4.652945						
1100000	3.850571	4.442203						
1101000	4.075798	4.367481						
1102000	3.849566	4.390623						
1103000	3.843145	4.693312						
1104000	3.921977	4.37037						
1105000	3.796132	4.47437						
1106000	3.304459	4.047041						
1107000	3.522893	4.027306						
1108000	3.577244	4.974865						
1109000	3.528584	4.765604						
1110000	3.578763	4.49485						
1111000	3.669098	4.526928						
1112000	3.66462	4.488824						
1113000	3.499658	4.374629						
1114000	3.261911	4.440134						
1115000	3.183349	4.48933						
1116000	3.462299	4.662226						
1117000	3.715275	4.407787						
1118000	3.631024	3.891698						
1119000	3.830443	4.352748						

1120000	3.756497	4.115724						
1121000	3.816902	4.397816						
1122000	3.657961	4.336935						
1123000	3.426764	4.081386						
1124000	3.77532	4.314288						
1125000	3.672304	3.94106						
1126000	3.718574	4.369093						
1127000	3.769087	4.583551						
1128000	3.865441	4.375729						
1129000	3.76992	4.577852						
1130000	3.623247	4.609788						
1131000	3.572008	4.746017						
1132000	3.510376	4.520999						
1133000	3.324911	4.390442						
1134000	3.468384	4.361064						
1135000	3.595712	4.510279						
1136000	3.366235	4.370878						
1137000	3.378677	4.498859						
1138000	3.413334	4.359336						
1139000	3.573063	3.868708						
1140000	3.871688	4.440624						
1141000	3.869667	4.40019						
1142000	3.669454	4.367101						
1143000	3.858611	4.574797						
1144000	3.934637	4.620323						
1145000	3.316039	4.130194						
1146000	3.843274	4.413136						
1147000	3.695303	4.435004						
1148000	4.000817	4.458811						
1149000	3.573347	4.242087						
1150000	3.730509	4.440022						
1151000	3.556933	4.05042						



1152000	3.529702	4.439074						
1153000	3.777223	4.530188						
1154000	3.461761	4.498557						
1155000	3.58571	4.6013						
1156000	3.734825	4.410005						
1157000	3.560638	3.993265						
1158000	3.829144	4.286697						
1159000	3.797139	4.42202						
1160000	3.38898	4.092527						
1161000	3.667458	4.509768						
1162000	3.696506	3.944869						
1163000	3.925343	4.306669						
1164000	3.825747	4.047259						
1165000	3.759126	4.544167						
1166000	3.736737	3.938469						
1167000	3.74269	4.366198						
1168000	3.628681	4.158752						
1169000	3.813838	4.226417						
1170000	3.878672	4.080205						
1171000	3.609214	4.288281						
1172000	3.624468	4.352766						
1173000	3.558696	3.958341						
1174000	3.751184	4.127952						
1175000	3.612679	4.376926						
1176000	3.479054	4.125414						
1177000	3.691516	4.321124						
1178000	3.666731	4.368649						
1179000	3.527076	4.347073						
1180000	3.862796	4.18585						
1181000	3.477646	4.030169						
1182000	3.709465	4.300735						
1183000	3.647247	4.285116						

1184000	3.709578	3.891633						
1185000	3.788482	4.319958						
1186000	3.94119	4.354315						
1187000	3.710665	4.266144						
1188000	3.767892	4.122518						
1189000	3.878156	4.48867						
1190000	3.847133	4.25528						
1191000	3.319407	4.574909						
1192000	3.59787	4.080359						
1193000	3.552938	4.101817						
1194000	3.337614	4.358341						
1195000	3.701764	4.455528						
1196000	3.379585	4.479607						
1197000	3.59114	4.633667						
1198000	3.736195	4.398226						
1199000	3.745738	4.396125						
1200000	3.836798	4.371611						
1201000	3.823005	4.503491						
1202000	3.868996	4.254989						
1203000	3.783276	4.457579						
1204000	3.909938	4.526675						
1205000	3.42206	4.614429						
1206000	3.707923	4.484285						
1207000	3.217417	4.284329						
1208000	3.685925	4.341191						
1209000	3.604354	4.472623						
1210000	3.620416	4.557022						
1211000	3.657092	4.086118						
1212000	3.511561	4.652158						
1213000	3.421257	4.477127						
1214000	3.748949	4.466205						
1215000	3.41077	4.666848						

1216000	3.765814	4.484768						
1217000	3.690786	4.240268						
1218000	3.536951	4.173963						
1219000	3.723117	4.341251						
1220000	3.713708	4.223156						
1221000	3.858482	4.349768						
1222000	3.950172	4.238725						
1223000	3.875222	4.519131						
1224000	3.731137	4.171869						
1225000	3.892801	4.447415						
1226000	3.755777	4.507997						
1227000	3.696036	4.406532						
1228000	3.730027	4.37003						
1229000	3.350354	4.459064						
1230000	3.601954	4.468643						
1231000	3.629621	3.941016						
1232000	3.762728	4.593306						
1233000	3.785685	4.531154						
1234000	3.611903	4.744232						
1235000	3.445889	4.075268						
1236000	3.803859	4.379404						
1237000	3.488145	4.317809						
1238000	3.602744	4.122096						
1239000	3.560166	4.166578						
1240000	3.703698	4.381068						
1241000	3.452031	4.436625						
1242000	3.658705	4.512015						
1243000	3.725288	4.203941						
1244000	3.935962	4.391696						
1245000	3.636153	4.376731						
1246000	3.550588	4.606767						
1247000	3.613034	4.467535						

1248000	3.439821	4.321344						
1249000	3.334087	4.636987						
1250000	3.714543	4.575127						
1251000	3.175071	4.709409						
1252000	3.765793	4.576655						
1253000	3.666213	4.265611						
1254000	3.52303	4.117537						
1255000	3.89541	4.409883						
1256000	3.924816	4.449464						
1257000	3.466863	4.57481						
1258000	3.803043	4.373788						
1259000	3.857605	4.517286						
1260000	3.621533	4.428682						
1261000	3.563477	3.912163						
1262000	3.467225	4.425069						
1263000	3.619911	4.629153						
1264000	3.631956	4.824921						
1265000	3.657056	4.106825						
1266000	3.778785	4.437358						
1267000	3.353229	4.638941						
1268000	3.879796	4.485144						
1269000	3.773128	4.429008						
1270000	4.01456	4.443563						
1271000	3.804575	4.573343						
1272000	3.911626	4.321681						
1273000	3.848361	4.377895						
1274000	3.234226	4.269986						
1275000	3.48562	4.325964						
1276000	3.671865	4.469933						
1277000	3.682163	4.516518						
1278000	3.47308	3.78301						
1279000	3.497333	4.388648						

1280000	3.386993	4.550473						
1281000	3.658931	4.580238						
1282000	3.682133	4.488824						
1283000	3.785891	4.444472						
1284000	3.384512	4.414094						
1285000	3.516087	4.457472						
1286000	3.700954	4.505102						
1287000	3.529219	4.59407						
1288000	3.600984	4.328401						
1289000	3.619283	4.515532						
1290000	3.800969	4.457474						
1291000	3.673354	4.495065						
1292000	3.791766	4.501661						
1293000	3.793192	4.513592						
1294000	3.404125	4.542614						
1295000	3.62705	4.606097						
1296000	3.68052	4.513828						
1297000	3.808297	4.600195						
1298000	3.870316	4.330609						
1299000	3.77204	4.024787						
1300000	3.603315	4.092467						
1301000	3.810062	4.591108						
1302000	3.667366	4.3776						
1303000	3.5379	4.501139						
1304000	3.768832	4.556918						
1305000	3.40695	4.869012						
1306000	2.999487	4.086275						
1307000	3.741681	4.22579						
1308000	3.891302	4.524369						
1309000	3.704979	4.610339						
1310000	3.833873	4.40251						
1311000	3.831916	4.575337						

1312000	3.58392	4.594495						
1313000	3.752313	4.690746						
1314000	3.75824	4.575879						
1315000	3.744634	4.181048						
1316000	3.690648	3.950592						
1317000	3.855421	4.419551						
1318000	3.565519	4.366371						
1319000	3.573029	4.277012						
1320000	3.781348	4.478477						
1321000	3.588609	4.681647						
1322000	3.599205	4.426646						
1323000	3.507738	4.321049						
1324000	3.645199	4.614495						
1325000	3.564244	4.515952						
1326000	3.630802	4.415953						
1327000	3.578553	4.671268						
1328000	4.939996	4.621761						
1329000	5.510551	4.541489						
1330000	3.576067	4.0738						
1331000	3.664454	4.525318						
1332000	3.913397	4.483146						
1333000	3.846999	4.56699						
1334000	3.707019	4.375809						
1335000	3.835503	4.510068						
1336000	3.828982	4.363748						
1337000	3.759315	4.446893						
1338000	3.509207	4.428607						
1339000	3.768666	4.255879						
1340000	3.609575	4.515145						
1341000	3.793136	4.454469						
1342000	3.713744	4.211595						
1343000	3.731059	4.479962						

1344000	3.646867	4.136899						
1345000	3.295794	4.457272						
1346000	3.25118	4.686384						
1347000	3.62144	4.486041						
1348000	3.794688	4.420444						
1349000	3.787907	4.188589						
1350000	3.828668	4.271516						
1351000	3.924644	4.561104						
1352000	3.625069	4.370394						
1353000	3.518663	4.667626						
1354000	3.5839	4.528492						
1355000	3.824974	4.471313						
1356000	3.700817	4.148737						
1357000	3.629831	4.276536						
1358000	3.786915	4.506703						
1359000	3.756082	4.69784						
1360000	3.685239	4.212907						
1361000	3.651929	4.441762						
1362000	3.499627	4.405838						
1363000	3.557582	4.520827						
1364000	3.352225	4.522288						
1365000	3.268012	4.308869						
1366000	3.526013	4.524049						
1367000	3.370646	4.367053						
1368000	3.388882	4.33631						
1369000	3.642467	4.3157						
1370000	3.609154	4.142942						
1371000	3.647753	4.549752						
1372000	3.293463	4.269593						
1373000	3.627535	4.798572						
1374000	3.773374	4.405305						
1375000	3.512269	4.56891						

1376000	3.245098	4.465375						
1377000	3.444731	4.776616						
1378000	3.690707	4.305748						
1379000	3.795874	4.518823						
1380000	3.706611	4.644386						
1381000	3.724913	4.507957						
1382000	3.089522	4.527814						
1383000	3.735475	4.474614						
1384000	3.673653	4.211117						
1385000	3.580446	4.348608						
1386000	3.874996	4.342212						
1387000	3.367536	4.502254						
1388000	3.6473	4.415326						
1389000	3.777766	4.444049						
1390000	3.739168	4.498449						
1391000	3.771831	4.398775						
1392000	3.549501	4.527747						
1393000	3.625239	4.454269						
1394000	3.652482	4.630822						
1395000	3.698884	4.451137						
1396000	4.033834	4.96272						
1397000	4.074074	4.846144						
1398000	4.061219	4.642133						
1399000	4.221007	4.697925						
1400000	4.176279	4.393389						
1401000	4.107222	4.934615						
1402000	4.106089	4.786663						
1403000	3.955036	4.534516						
1404000	3.952756	4.554333						
1405000	3.683927	4.629656						
1406000	3.799746	4.480352						
1407000	3.70866	4.233741						



1408000	3.625893	4.565125						
1409000	3.716956	4.434185						
1410000	3.652609	4.542289						
1411000	3.306167	4.361703						
1412000	3.293203	4.416502						
1413000	3.596545	4.167022						
1414000	3.879524	4.554883						
1415000	4.038417	4.677714						
1416000	3.244691	4.544842						
1417000	3.476061	4.089774						
1418000	3.485628	4.008501						
1419000	3.742557	4.422047						
1420000	3.581915	4.673865						
1421000	3.281627	4.544304						
1422000	3.706245	4.156443						
1423000	3.346389	4.531576						
1424000	3.141722	4.417808						
1425000	3.402945	4.713936						
1426000	3.329521	4.220523						
1427000	3.317258	4.505735						
1428000	3.300387	4.492799						
1429000	3.627816	4.791018						
1430000	3.67623	3.996823						
1431000	3.623668	4.631214						
1432000	3.713482	4.549687						
1433000	3.851719	4.783723						
1434000	3.581628	4.611646						
1435000	3.867458	4.544546						
1436000	3.483627	4.737976						
1437000	3.122144	4.681666						
1438000	3.425737	4.763671						
1439000	3.661409	4.747023						

1440000	3.840944	4.567214						
1441000	3.819592	4.7205						
1442000	3.516422	4.687335						
1443000	3.87563	4.253073						
1444000	3.935928	4.576264						
1445000	3.396234	4.767817						
1446000	3.342251	4.22323						
1447000	3.561619	3.908808						
1448000	3.725106	4.071849						
1449000	3.663234	4.205511						
1450000	3.56321	4.603911						
1451000	3.813614	4.100577						
1452000	3.947824	4.373201						
1453000	3.361469	4.473213						
1454000	3.606967	3.648927						
1455000	3.711107	4.02378						
1456000	3.954388	4.330429						
1457000	3.793977	4.684143						
1458000	3.402372	4.843594						
1459000	3.860873	4.424073						
1460000	3.553514	4.481711						
1461000	3.442134	4.548311						
1462000	3.387304	4.238757						
1463000	3.663569	4.442628						
1464000	3.258348	4.511017						
1465000	3.448931	4.979253						
1466000	3.582605	4.886536						
1467000	3.864853	4.45215						
1468000	3.91316	4.712327						
1469000	3.722708	4.793781						
1470000	3.7055	4.455512						
1471000	3.708202	4.630495						

1472000	3.318626	4.315904						
1473000	3.531882	3.342704						
1474000	3.464554	4.417784						
1475000	3.916239	4.631381						
1476000	3.137042	4.706036						
1477000	3.647758	4.119964						
1478000	3.956876	4.592796						
1479000	3.829354	4.815386						
1480000	6.21313	4.013578						
1481000	3.704254	5.002668						
1482000	3.987676	4.440294						
1483000	3.873093	4.484857						
1484000	3.965786	4.275264						
1485000	3.964124	4.481999						
1486000	3.734819	4.583729						
1487000	3.911143	4.430475						
1488000	3.449464	4.496132						
1489000	3.572915	4.571967						
1490000	3.331435	4.426728						
1491000	3.417128	4.148128						
1492000	3.67326	4.674231						
1493000	3.418609	4.783248						
1494000	3.544699	4.613958						
1495000	3.643734	4.573642						
1496000	3.576168	4.403686						
1497000	3.635319	4.063041						
1498000	3.604015	4.408996						
1499000	3.658358	4.668331						
1500000	3.718264	4.449606						
1501000	3.806046	4.278865						
1502000	3.740478	4.424417						
1503000	3.319144	4.422666						

1504000	3.519786	4.693638						
1505000	3.425863	4.283051						
1506000	3.540888	4.354764						
1507000	3.38416	4.73224						
1508000	3.65648	4.593475						
1509000	3.807994	4.53037						
1510000	3.800206	4.605836						
1511000	3.767501	4.345745						
1512000	3.844304	4.488416						
1513000	3.667532	4.312738						
1514000	3.426437	4.526095						
1515000	3.7167	4.417497						
1516000	3.746864	4.361244						
1517000	3.458442	4.495836						
1518000	3.459736	4.495						
1519000	3.564874	4.319396						
1520000	3.557258	4.843022						
1521000	3.275738	4.754215						
1522000	3.650153	4.148011						
1523000	3.873474	4.467707						
1524000	3.735896	4.281183						
1525000	3.620852	4.617317						
1526000	3.781914	4.187439						
1527000	3.787537	4.297137						
1528000	3.761034	4.3866						
1529000	3.872982	4.450864						
1530000	3.79482	4.535265						
1531000	3.481559	4.462603						
1532000	3.805355	4.366446						
1533000	3.507933	4.25294						
1534000	3.178403	4.555646						
1535000	3.516424	4.235203						

1536000	3.453993	5.726748						
1537000	3.905071	5.072113						
1538000	4.027638	4.68039						
1539000	3.832961	4.552981						
1540000	3.880727	4.516824						
1541000	3.792666	4.289803						
1542000	3.562307	4.522841						
1543000	3.844651	4.702371						
1544000	3.727988	4.542896						
1545000	3.826107	4.634172						
1546000	3.659681	4.517036						
1547000	3.71301	4.531911						
1548000	3.543924	4.468597						
1549000	3.704383	4.111089						
1550000	3.608517	4.491352						
1551000	3.601198	4.606928						
1552000	3.513499	4.295383						
1553000	3.785212	4.312808						
1554000	3.555845	4.104627						
1555000	3.648359	4.552577						
1556000	3.622764	4.372352						
1557000	3.452696	4.399651						
1558000	3.443736	4.525504						
1559000	3.575404	4.124584						
1560000	3.454625	4.396403						
1561000	3.489886	4.71585						
1562000	3.505528	4.218084						
1563000	3.795151	4.734484						
1564000	3.395084	4.525697						
1565000	3.641078	4.251505						
1566000	3.891063	4.422024						
1567000	3.343121	4.636477						

1568000	3.676434	4.18203						
1569000	3.689914	4.166455						
1570000	3.553942	4.614509						
1571000	3.572223	4.484645						
1572000	3.728295	4.501399						
1573000	3.717584	4.444442						
1574000	3.691622	4.399951						
1575000	3.428764	4.190511						
1576000	3.606579	4.17289						
1577000	3.364553	4.614226						
1578000	3.291674	4.457162						
1579000	3.53545	4.310612						
1580000	3.514584	4.523839						
1581000	3.121599	4.453629						
1582000	3.41342	4.374072						
1583000	3.647901	4.540707						
1584000	3.489664	4.170239						
1585000	3.850837	4.574908						
1586000	3.22678	4.522488						
1587000	3.615751	4.265836						
1588000	3.786986	4.484053						
1589000	3.556146	4.644319						
1590000	3.605444	4.55842						
1591000	3.75319	4.421306						
1592000	3.662657	4.171024						
1593000	3.615675	4.663185						
1594000	3.854168	4.486964						
1595000	3.589621	4.640246						
1596000	3.832327	4.360888						
1597000	3.600373	4.48057						
1598000	3.340045	4.647819						
1599000	3.599692	4.614338						

1600000	3.498662	4.632671						
1601000	3.625446	4.14781						
1602000	3.778205	4.491087						
1603000	3.520001	4.083513						
1604000	3.716382	4.373778						
1605000	3.696761	4.680059						
1606000	3.573054	4.681864						
1607000	3.730368	4.771807						
1608000	3.131367	4.641974						
1609000	3.677075	4.578386						
1610000	3.853808	4.463471						
1611000	3.759445	4.515148						
1612000	3.622576	4.37137						
1613000	3.67426	4.625328						
1614000	3.606808	4.251452						
1615000	3.730699	4.720285						
1616000	3.475606	4.367331						
1617000	3.653799	4.143794						
1618000	3.642756	4.480391						
1619000	3.510507	4.299101						
1620000	3.467134	4.391011						
1621000	3.399543	4.635635						
1622000	3.555864	4.695484						
1623000	3.6381	4.50965						
1624000	3.63385	4.555471						
1625000	3.634494	4.394368						
1626000	3.542049	4.395239						
1627000	3.529948	4.269811						
1628000	3.480524	4.529598						
1629000	3.396112	4.083222						
1630000	3.746266	4.409786						
1631000	3.788176	4.44193						

1632000	3.477702	4.578714						
1633000	3.775584	4.453482						
1634000	3.782899	4.648197						
1635000	3.501663	4.434503						
1636000	3.767185	4.445733						
1637000	3.595056	4.352737						
1638000	3.473066	4.645457						
1639000	3.471225	4.517216						
1640000	3.759734	4.392176						
1641000	3.534019	4.230194						
1642000	3.731705	4.507365						
1643000	3.722435	4.415791						
1644000	3.426021	4.63539						
1645000	3.504786	4.314393						
1646000	3.755796	4.542351						
1647000	3.587654	4.171323						
1648000	3.749479	4.418977						
1649000	3.425929	4.597848						
1650000	3.762219	4.604069						
1651000	3.179968	4.651869						
1652000	3.674944	4.614639						
1653000	3.747354	4.326746						
1654000	3.578102	4.399027						
1655000	3.769832	4.614725						
1656000	3.676082	4.443553						
1657000	6.263098	4.090154						
1658000	3.440125	4.610303						
1659000	4.035636	4.501957						
1660000	3.83032	4.612505						
1661000	3.757658	4.586105						
1662000	3.670511	4.574335						
1663000	3.599796	4.530255						



1664000	3.633498	4.45842						
1665000	3.704488	4.348413						
1666000	3.607093	4.548164						
1667000	3.625409	4.40834						
1668000	3.602952	4.359434						
1669000	3.51183	4.729084						
1670000	3.602346	4.397003						
1671000	3.482145	4.253868						
1672000	3.443301	4.437459						
1673000	3.320713	4.519677						
1674000	3.62805	4.491856						
1675000	3.455846	4.239857						
1676000	3.641101	4.575782						
1677000	3.748338	4.469657						
1678000	3.480606	4.491741						
1679000	3.759628	4.564258						
1680000	3.315443	4.511306						
1681000	3.811708	4.546377						
1682000	3.603079	4.646966						
1683000	3.69367	4.473234						
1684000	3.755908	4.388687						
1685000	3.390841	6.605293						
1686000	3.676845	6.887834						
1687000	3.97727	5.155566						
1688000	4.01391	4.462902						
1689000	3.597498	4.685055						
1690000	3.849473	4.544649						
1691000	3.553432	4.380337						
1692000	3.675945	4.589542						
1693000	3.697148	4.461597						
1694000	3.755528	4.579125						
1695000	3.639042	4.542476						

1696000	3.624714	4.428978						
1697000	3.762942	4.719522						
1698000	3.702893	4.225805						
1699000	3.696835	4.212651						
1700000	3.844753	4.105559						
1701000	3.870065	4.540503						
1702000	3.724753	4.515435						
1703000	3.657416	4.309604						
1704000	3.511057	4.383189						
1705000	3.617487	4.552679						
1706000	3.27724	4.405266						
1707000	3.245312	4.429823						
1708000	3.662482	4.828811						
1709000	3.694426	4.239424						
1710000	3.303687	4.452087						
1711000	3.546376	4.347982						
1712000	3.409359	4.478808						
1713000	3.628684	4.648631						
1714000	3.657321	4.195082						
1715000	3.39255	4.419444						
1716000	3.608415	4.627708						
1717000	3.493446	4.601835						
1718000	3.736969	4.511689						
1719000	3.703659	4.72142						
1720000	3.794658	4.508472						
1721000	3.380027	4.547968						
1722000	3.795086	4.425201						
1723000	3.680394	4.707452						
1724000	3.699665	4.444509						
1725000	3.903101	4.452512						
1726000	3.650168	4.155593						
1727000	3.541306	4.545908						

1728000	3.642773	4.682254						
1729000	3.640386	4.514253						
1730000	3.627932	4.246696						
1731000	3.549714	4.530722						
1732000	3.615311	4.63021						
1733000	3.740549	4.476646						
1734000	3.55052	4.418775						
1735000	3.587564	4.292566						
1736000	3.68039	4.50336						
1737000	3.828865	4.531866						
1738000	3.734715	4.532704						
1739000	3.657662	4.373765						
1740000	3.381293	4.578622						
1741000	3.495132	4.54137						
1742000	3.787558	4.535561						
1743000	3.684124	4.071955						
1744000	3.347583	4.374097						
1745000	3.786992	4.503267						
1746000	3.585985	4.477859						
1747000	3.484026	4.263425						
1748000	3.261922	4.256598						
1749000	3.712636	4.590115						
1750000	2.887107	4.679983						
1751000	3.516583	4.758097						
1752000	3.37376	4.343207						
1753000	3.462283	4.295395						
1754000	3.713248	4.651179						
1755000	3.61405	4.636448						
1756000	3.472238	4.45498						
1757000	3.734997	4.368178						
1758000	3.427588	4.693181						
1759000	3.618897	4.464603						

1760000	3.433736	4.395417						
1761000	3.726712	4.420354						
1762000	3.715019	4.285372						
1763000	3.420891	4.188895						
1764000	3.296871	4.547096						
1765000	3.788816	4.567378						
1766000	3.784152	4.680817						
1767000	3.675292	4.264407						
1768000	3.391207	4.391042						
1769000	3.768289	4.764891						
1770000	3.607588	4.606362						
1771000	3.569607	4.572392						
1772000	3.361779	4.278997						
1773000	3.508853	4.515323						
1774000	3.509524	4.540234						
1775000	3.624582	4.578404						
1776000	3.560201	4.544227						
1777000	3.775393	4.346966						
1778000	3.461212	4.604816						
1779000	3.675958	4.419007						
1780000	3.703003	4.561926						
1781000	3.844848	4.335314						
1782000	3.249227	4.1006						
1783000	3.750852	4.644653						
1784000	3.743808	4.601471						
1785000	3.834376	4.425835						
1786000	3.43834	7.775252						
1787000	3.667601	4.329848						
1788000	4.0985	4.538645						
1789000	3.928086	4.55061						
1790000	3.773903	4.49646						
1791000	3.733821	4.640989						

1792000	3.671938	4.561583						
1793000	3.641845	4.58166						
1794000	3.677439	4.684389						
1795000	3.626463	4.463232						
1796000	3.555808	4.288085						
1797000	3.604163	4.444213						
1798000	3.661908	4.424399						
1799000	3.832353	4.549405						
1800000	3.755447	4.453795						
1801000	3.632715	4.709961						
1802000	3.546262	4.357776						
1803000	3.329709	4.254881						
1804000	3.729164	4.38338						
1805000	3.781157	4.646172						
1806000	3.095428	4.555441						
1807000	3.671159	4.30327						
1808000	3.799187	4.431839						
1809000	3.666554	4.413036						
1810000	3.591543	4.647946						
1811000	3.6601	4.017482						
1812000	3.57473	4.363057						
1813000	3.649912	4.448588						
1814000	3.647044	4.72988						
1815000	3.506928	4.360393						
1816000	3.304907	4.495536						
1817000	3.515577	4.554973						
1818000	3.630226	4.483064						
1819000	3.557007	4.485241						
1820000	3.53119	4.489965						
1821000	3.686448	4.531567						
1822000	3.687515	4.319303						
1823000	3.855764	4.627381						

1824000	3.688733	4.47608						
1825000	3.394473	4.153398						
1826000	3.897022	4.478249						
1827000	3.596916	4.267843						
1828000	3.66458	4.639937						
1829000	3.619158	6.754073						
1830000	3.754598	4.110503						
1831000	3.971568	4.351259						
1832000	3.72639	4.59492						
1833000	3.681654	4.569131						
1834000	3.598981	4.558351						
1835000	3.51943	4.505421						
1836000	3.570468	4.553496						
1837000	3.458623	4.359145						
1838000	3.602818	4.461909						
1839000	3.493372	4.593548						
1840000	3.593857	4.433657						
1841000	3.73099	4.367927						
1842000	3.564301	4.348315						
1843000	2.977089	4.47285						
1844000	3.575937	4.537302						
1845000	3.82776	4.616961						
1846000	3.658585	4.517798						
1847000	3.717305	4.462533						
1848000	3.704779	4.484855						
1849000	3.281894	4.578989						
1850000	3.593169	4.494313						
1851000	3.445907	4.049944						
1852000	3.758764	4.602075						
1853000	3.617844	4.417544						
1854000	3.357098	4.431163						
1855000	3.688043	4.438366						

1856000	3.380649	4.465962						
1857000	3.545104	4.295151						
1858000	3.621245	4.507449						
1859000	3.725312	4.2457						
1860000	3.507737	4.499768						
1861000	3.78656	4.392802						
1862000	3.348617	4.544387						
1863000	3.606864	4.701025						
1864000	3.813582	4.4744						
1865000	3.765278	4.544915						
1866000	3.704729	4.699749						
1867000	3.693832	4.469248						
1868000	3.790121	4.460515						
1869000	3.655593	4.227439						
1870000	3.572352	4.36163						
1871000	3.515219	4.845545						
1872000	3.61116	4.693047						
1873000	3.669703	4.407989						
1874000	3.718075	4.531205						
1875000	3.547465	4.393815						
1876000	3.603375	4.672386						
1877000	3.559667	4.664292						
1878000	3.464163	4.639808						
1879000	3.556702	4.563916						
1880000	3.617169	4.665686						
1881000	3.437234	4.049633						
1882000	3.519925	4.266733						
1883000	3.481362	4.243303						
1884000	3.323905	4.516943						
1885000	3.791579	4.464318						
1886000	3.518636	4.114365						
1887000	3.489013	4.533381						

1888000	3.638376	4.22182						
1889000	3.367884	4.546415						
1890000	3.722644	4.482903						
1891000	3.570869	4.492606						
1892000	3.785028	4.578235						
1893000	3.618937	4.478922						
1894000	3.295251	4.434725						
1895000	3.575842	4.373244						
1896000	3.714066	4.248967						
1897000	3.713372	4.66866						
1898000	3.675056	4.601614						
1899000	3.708323	4.390323						
1900000	3.772139	4.360518						
1901000	3.723135	4.494362						
1902000	3.660664	4.694952						
1903000	3.694928	4.519628						
1904000	3.64204	4.582444						
1905000	3.65045	4.553184						
1906000	3.507489	4.450721						
1907000	3.538697	4.402357						
1908000	3.560533	4.440479						
1909000	3.511562	4.205842						
1910000	3.338071	4.155968						
1911000	3.659256	4.471272						
1912000	3.586021	4.477825						
1913000	3.602245	4.674175						
1914000	3.681345	4.436369						
1915000	3.758786	4.467103						
1916000	3.376029	4.285232						
1917000	3.510868	3.987764						
1918000	3.501335	4.167188						
1919000	3.565735	4.458058						



1920000	3.302295	4.599578						
1921000	3.453961	4.221543						
1922000	3.493503	4.592512						
1923000	3.425696	4.434901						
1924000	3.436568	4.212739						
1925000	3.61084	4.583758						
1926000	3.530961	4.535871						
1927000	3.52506	4.569048						
1928000	3.702598	4.500773						
1929000	3.646878	4.49555						
1930000	3.693194	4.514805						
1931000	3.643687	4.604881						
1932000	3.674306	4.394707						
1933000	3.504112	4.489228						
1934000	3.791936	4.442435						
1935000	3.703503	4.525682						
1936000	3.673391	4.496907						
1937000	3.705829	4.668261						
1938000	3.656516	4.449097						
1939000	3.44274	4.349962						
1940000	3.491733	4.195494						
1941000	3.310003	4.016271						
1942000	3.398372	4.320881						
1943000	3.287819	4.371128						
1944000	3.611762	4.302687						
1945000	3.613588	4.331559						
1946000	3.665125	4.314835						
1947000	3.498929	3.974532						
1948000	3.711288	4.317125						
1949000	3.577977	4.333763						
1950000	3.639798	4.473192						
1951000	3.841064	4.525536						

1952000	3.823181	4.360653						
1953000	3.611226	4.616707						
1954000	3.63687	4.674784						
1955000	3.800451	4.536902						
1956000	3.759979	4.55887						
1957000	3.665628	4.640928						
1958000	3.695352	4.362317						
1959000	3.552926	4.560613						
1960000	3.638015	4.223702						
1961000	3.480906	4.662777						
1962000	3.354181	4.409456						
1963000	3.159466	4.407011						
1964000	3.642133	4.459439						
1965000	3.56939	4.503285						
1966000	3.583791	4.173399						
1967000	3.593978	4.431644						
1968000	3.491141	4.331296						
1969000	3.328425	4.340275						
1970000	3.606085	4.333199						
1971000	3.558596	3.915041						
1972000	3.397667	4.465944						
1973000	3.446392	4.323968						
1974000	3.564338	4.474484						
1975000	3.425836	4.192432						
1976000	3.300479	4.347808						
1977000	3.582704	4.38716						
1978000	3.605318	4.313749						
1979000	3.714937	4.559442						
1980000	3.598701	4.636704						
1981000	3.660423	4.532412						
1982000	3.494814	4.487336						
1983000	3.490996	4.477187						

1984000	3.725247	4.380452						
1985000	3.475094	4.35264						
1986000	3.52133	4.640875						
1987000	3.695356	4.539544						
1988000	3.644153	4.416219						
1989000	3.537363	4.384488						
1990000	3.771925	4.505105						
1991000	3.697232	4.569135						
1992000	3.595586	4.374517						
1993000	3.769368	4.566693						
1994000	3.698452	4.374065						
1995000	3.803026	4.299701						
1996000	3.453986	4.596603						
1997000	3.772328	4.547754						
1998000	3.82215	4.404232						
1999000	3.782952	4.460361						
2000000	3.794165	4.594508						
2001000	3.626819	4.413669						
2002000	3.518405	4.535747						
2003000	3.548231	4.336863						
2004000	3.379534	4.386495						
2005000	3.438364	4.441551						
2006000	3.417211	4.534989						
2007000	3.355026	4.155811						
2008000	3.46399	4.450383						
2009000	3.483371	4.314108						
2010000	3.405044	4.469275						
2011000	3.688972	4.549423						
2012000	3.740215	4.400085						
2013000	3.608365	3.998963						
2014000	3.696729	4.551328						
2015000	3.666674	4.56325						

2016000	3.564166	4.506388						
2017000	3.557557	4.654457						
2018000	3.737913	4.462952						
2019000	3.759851	4.556861						
2020000	3.682196	4.249211						
2021000	3.574397	4.60046						
2022000	3.778814	4.629179						
2023000	3.746037	4.432253						
2024000	3.520264	4.374465						
2025000	3.5551	4.294212						
2026000	3.641901	4.388324						
2027000	3.438929	4.288907						
2028000	3.461598	4.667648						
2029000	3.699796	4.644575						
2030000	3.690549	4.494347						
2031000	3.54654	4.626428						
2032000	3.701487	4.443818						
2033000	3.51681	4.472336						
2034000	3.79968	4.402632						
2035000	3.802806	4.306459						
2036000	3.638694	4.805485						
2037000	3.69716	4.618053						
2038000	3.66704	4.347917						
2039000	3.395504	4.291052						
2040000	3.541459	4.318012						
2041000	3.502049	4.426493						
2042000	3.132858	4.486083						
2043000	3.755367	4.156551						
2044000	3.715712	4.461507						
2045000	3.496054	4.532364						
2046000	3.513524	4.270738						
2047000	3.104297	4.625516						

2048000	3.59192	4.496432						
2049000	3.630395	4.582133						
2050000	3.604647	4.496139						
2051000	3.623113	4.027985						
2052000	3.353931	4.008208						
2053000	3.55398	4.600177						
2054000	3.481662	4.403774						
2055000	3.314655	4.505136						
2056000	3.502494	4.647591						
2057000	3.687853	4.500972						
2058000	3.740189	4.11958						
2059000	3.483141	4.04531						
2060000	3.751642	7.289949						
2061000	3.496298	4.474506						
2062000	3.730018	4.692948						
2063000	4.04254	4.736767						
2064000	4.073356	4.605151						
2065000	4.032915	4.595678						
2066000	3.903971	4.518382						
2067000	3.86505	4.544391						
2068000	3.73127	4.53299						
2069000	3.627795	4.337042						
2070000	3.441971	4.568564						
2071000	3.593731	4.435187						
2072000	3.579711	4.510093						
2073000	3.637781	4.446966						
2074000	3.47123	4.474372						
2075000	3.778441	4.462765						
2076000	3.676586	4.618687						
2077000	3.64843	4.322539						
2078000	3.66531	3.947437						
2079000	3.446356	4.541098						

2080000	3.623953	4.367319						
2081000	3.772661	4.651038						
2082000	3.801061	4.28511						
2083000	3.556562	4.51657						
2084000	3.692129	4.234792						
2085000	3.830223	4.58429						
2086000	3.488515	4.372235						
2087000	3.55861	4.480881						
2088000	3.342405	4.611034						
2089000	3.420883	4.640309						
2090000	3.617277	4.485588						
2091000	3.559896	4.448542						
2092000	3.387578	4.475373						
2093000	3.490342	4.093512						
2094000	3.441625	4.490937						
2095000	3.377647	4.484475						
2096000	3.64634	4.711206						
2097000	3.617753	4.302812						
2098000	3.470436	4.37967						
2099000	3.572718	4.548683						
2100000	3.801515	4.291814						
2101000	3.566355	4.569179						
2102000	3.487668	4.442863						
2103000	3.567816	4.363929						
2104000	3.671733	4.664345						
2105000	3.723477	4.758597						
2106000	3.700436	4.300858						
2107000	3.120655	4.597245						
2108000	3.706118	4.48408						
2109000	3.434559	4.54071						
2110000	3.824173	4.543494						
2111000	3.708527	4.574913						

2112000	3.69816	4.464829						
2113000	3.455271	4.296909						
2114000	3.646139	4.182506						
2115000	3.699933	4.666621						
2116000	3.679282	4.707312						
2117000	3.584358	4.740161						
2118000	3.618044	4.366025						
2119000	3.429184	4.339054						
2120000	3.546615	4.521774						
2121000	3.74171	4.42272						
2122000	3.745568	4.507813						
2123000	3.74685	4.10011						
2124000	3.765515	4.363514						
2125000	3.607836	4.435902						
2126000	3.546986	4.526282						
2127000	3.728951	4.660351						
2128000	3.810044	4.540715						
2129000	3.608388	4.516089						
2130000	3.350511	4.482836						
2131000	2.737069	5.024063						
2132000	2.695287	5.086879						
2133000	2.821872	4.891626						
2134000	2.798381	4.818466						
2135000	2.822731	4.816928						
2136000	2.74038	4.84236						
2137000	2.743062	4.413602						
2138000	2.838182	5.123177						
2139000	2.79243	5.154168						
2140000	2.682621	4.914126						
2141000	2.739126	4.872561						
2142000	2.759218	4.886753						
2143000	2.668019	4.864051						

2144000	2.642651	4.990092						
2145000	2.846902	4.949921						
2146000	2.82254	4.764955						
2147000	2.877764	4.77617						
2148000	2.78041	4.862983						
2149000	2.774264	4.465187						
2150000	2.829878	4.81595						
2151000	2.677969	4.984615						
2152000	2.688582	5.115941						
2153000	2.782864	4.982562						
2154000	2.769641	5.078352						
2155000	2.700668	4.951747						
2156000	2.461248	4.649						
2157000	2.748075	4.884352						
2158000	2.812257	5.03094						
2159000	2.870864	4.756622						
2160000	2.830578	4.765131						
2161000	2.800077	4.860982						
2162000	2.827609	4.815204						
2163000	2.831249	4.534128						
2164000	2.81778	4.939745						
2165000	2.65598	4.873438						
2166000	2.602486	4.947539						
2167000	2.64062	5.107837						
2168000	2.573203	4.586847						
2169000	2.587918	5.041352						
2170000	2.581369	4.999667						
2171000	2.642609	4.997675						
2172000	2.797539	4.918758						
2173000	2.594288	5.064115						
2174000	2.60538	4.89213						
2175000	2.537435	4.871031						



2176000	2.434591	4.88377						
2177000	2.516454	4.656568						
2178000	2.681816	5.158816						
2179000	2.547517	4.762399						
2180000	2.66062	4.969918						
2181000	2.598157	4.927427						
2182000	2.643833	4.953673						
2183000	2.598878	4.760641						
2184000	2.452334	4.690009						
2185000	2.577566	4.800442						
2186000	2.72636	5.098486						
2187000	2.676411	5.00148						
2188000	2.864687	4.852524						
2189000	2.662452	4.876152						
2190000	2.598151	4.824754						
2191000	2.643931	5.817409						
2192000	2.425677	4.520241						
2193000	2.893879	4.808949						
2194000	2.632913	4.938558						
2195000	2.648844	4.801492						
2196000	2.609125	4.929636						
2197000	2.58577	4.92556						
2198000	2.583488	4.93478						
2199000	2.621528	5.008999						
2200000	2.514405	4.68526						
2201000	2.627768	4.72864						
2202000	2.457262	4.854995						
2203000	2.416901	4.956606						
2204000	2.543752	4.90821						
2205000	2.686995	5.201437						
2206000	2.721291	4.781318						
2207000	2.595777	4.900446						

2208000	2.65979	4.779012						
2209000	2.610618	4.828408						
2210000	2.625892	4.741803						
2211000	2.524383	4.659921						
2212000	2.615302	4.957476						
2213000	2.736314	4.729042						
2214000	2.561437	4.871657						
2215000	2.502735	5.049504						
2216000	2.517573	5.016816						
2217000	2.535532	4.961739						
2218000	2.469294	4.759544						
2219000	2.276172	4.773538						
2220000	2.441237	4.84335						
2221000	2.446891	5.120462						
2222000	2.570346	4.74147						
2223000	2.65985	5.047253						
2224000	2.619707	5.00828						
2225000	2.561795	4.992014						
2226000	2.571238	4.827529						
2227000	2.54974	4.897438						
2228000	2.637455	4.93443						
2229000	2.61515	4.739888						
2230000	2.616255	4.684167						
2231000	2.638461	4.821261						
2232000	2.646598	5.155377						
2233000	2.680925	4.932741						
2234000	2.457015	5.315608						
2235000	3.108441	6.095089						
2236000	2.511439	4.785239						
2237000	2.512702	4.93594						
2238000	2.585493	4.751908						
2239000	2.433754	4.998124						

2240000	2.593555	4.959716						
2241000	2.602831	4.703542						
2242000	2.577185	4.956974						
2243000	2.595763	4.909066						
2244000	2.629718	4.920422						
2245000	2.625846	4.776071						
2246000	2.614199	4.923424						
2247000	2.591197	4.958037						
2248000	2.545862	4.602164						
2249000	2.58111	4.796896						
2250000	2.59268	4.917161						
2251000	2.609615	4.871897						
2252000	2.494395	4.994781						
2253000	2.618797	5.024074						
2254000	2.572197	5.181322						
2255000	2.512148	4.998066						
2256000	2.486919	5.13537						
2257000	2.518516	5.014742						
2258000	2.537495	4.727629						
2259000	2.438331	4.872874						
2260000	2.376565	4.820728						
2261000	2.436153	5.275095						
2262000	2.419961	5.043861						
2263000	2.458723	5.027061						
2264000	2.550198	5.222884						
2265000	2.613184	4.689019						
2266000	2.592711	5.001417						
2267000	2.506345	5.044616						
2268000	2.454539	4.857296						
2269000	2.592412	4.809114						
2270000	2.645255	4.801837						
2271000	2.555912	4.586557						

2272000	2.582216	4.988717						
2273000	2.566242	4.863537						
2274000	2.593955	4.735674						
2275000	2.505491	4.850993						
2276000	2.499497	4.930339						
2277000	2.595493	4.868766						
2278000	2.45357	4.358641						
2279000	2.632649	4.616722						
2280000	2.569403	4.879127						
2281000	2.37973	4.600682						
2282000	2.592784	4.998975						
2283000	2.685734	4.888947						
2284000	2.857494	4.83675						
2285000	3.012804	5.006671						
2286000	2.880208	4.939791						
2287000	3.664646	4.069019						
2288000	2.948049	4.885299						
2289000	2.858674	4.693219						
2290000	3.012287	4.806041						
2291000	3.038125	4.980165						
2292000	3.07504	4.508086						
2293000	2.874937	4.679351						
2294000	3.027667	4.441001						
2295000	2.874343	4.214867						
2296000	2.829608	4.810756						
2297000	2.940552	5.326555						
2298000	2.836512	5.27984						
2299000	2.853858	5.13179						
2300000	2.857032	4.983796						
2301000	2.783456	5.163386						
2302000	2.65914	4.960785						
2303000	2.69232	5.028196						

2304000	2.769484	5.060794						
2305000	2.772895	4.836546						
2306000	2.796175	4.945847						
2307000	2.787267	4.803975						
2308000	2.697909	5.151388						
2309000	2.621622	4.886506						
2310000	3.499143	4.93871						
2311000	2.889936	4.952222						
2312000	2.909103	4.978706						
2313000	2.822159	4.772676						
2314000	2.782962	4.901126						
2315000	2.86127	4.926265						
2316000	2.758238	4.861074						
2317000	2.83319	4.871977						
2318000	2.807236	4.923604						
2319000	2.921588	4.95374						
2320000	2.837389	5.043348						
2321000	2.845432	5.055848						
2322000	2.799929	4.943388						
2323000	3.02938	4.964462						
2324000	2.826811	4.915364						
2325000	2.841218	4.948219						
2326000	2.914955	4.96415						
2327000	2.788115	4.806897						
2328000	2.844238	4.92886						
2329000	2.867088	4.826147						
2330000	2.733667	4.814096						
2331000	2.838456	4.812463						
2332000	2.827096	4.890271						
2333000	2.785858	4.869941						
2334000	2.884808	4.871016						
2335000	2.834629	4.78156						

2336000	2.741225	4.593473						
2337000	2.80004	4.733026						
2338000	2.888116	4.432519						
2339000	2.708618	4.901153						
2340000	2.7312	4.859966						
2341000	2.820262	4.970968						
2342000	2.742399	5.016129						
2343000	2.690594	5.255789						
2344000	2.830037	4.916109						
2345000	2.705362	5.048685						
2346000	2.78861	5.395394						
2347000	2.664563	4.847649						
2348000	2.680972	4.931959						
2349000	2.781595	5.279183						
2350000	2.718382	4.956813						
2351000	2.721922	5.150903						
2352000	2.806377	5.690181						
2353000	2.057279	5.593109						
2354000	2.794771	4.828865						
2355000	2.794807	4.653713						
2356000	2.79295	4.931358						
2357000	2.862968	4.744614						
2358000	2.743017	4.765972						
2359000	2.817277	4.829871						
2360000	2.770765	4.881837						
2361000	2.765015	4.949521						
2362000	2.693659	4.854974						
2363000	2.857649	4.705275						
2364000	2.717184	4.882858						
2365000	2.805294	5.064348						
2366000	2.698506	4.833749						
2367000	2.681911	4.991211						

2368000	2.90791	4.663397						
2369000	2.702993	4.838794						
2370000	2.658363	4.981219						
2371000	2.72815	4.927515						
2372000	2.772288	4.924699						
2373000	2.76144	4.994117						
2374000	2.732637	4.828821						
2375000	2.799451	4.956162						
2376000	2.782767	4.818502						
2377000	2.91775	4.805651						
2378000	2.985103	4.952851						
2379000	2.883987	4.823048						
2380000	2.79722	4.84865						
2381000	2.76123	4.850908						
2382000	2.865077	5.102252						
2383000	2.948512	4.785243						
2384000	2.822566	4.879841						
2385000	2.846308	4.977197						
2386000	2.860838	4.758343						
2387000	2.761496	4.848114						
2388000	2.727646	4.815277						
2389000	2.752564	4.882996						
2390000	2.705197	4.710489						
2391000	2.627237	4.948437						
2392000	2.796464	5.023535						
2393000	2.592873	5.074266						
2394000	2.501653	4.862823						
2395000	2.507099	4.971341						
2396000	2.531234	5.044236						
2397000	2.573555	5.113502						
2398000	2.582951	4.854247						
2399000	2.535435	4.714439						

2400000	2.575253	5.203114						
2401000	2.573556	4.823626						
2402000	2.599146	4.950755						
2403000	2.620141	5.34566						
2404000	2.583953	4.94421						
2405000	2.614973	5.119811						
2406000	2.511564	4.871407						
2407000	2.519672	4.967922						
2408000	2.565322	4.90888						
2409000	2.50347	4.98685						
2410000	2.582696	4.743884						
2411000	2.581823	4.895796						
2412000	2.713637	4.981167						
2413000	2.546595	4.981038						
2414000	2.587193	4.653093						
2415000	2.652036	4.937672						
2416000	2.641502	4.765663						
2417000	2.61445	4.944123						
2418000	2.665211	4.772608						
2419000	2.53214	5.060844						
2420000	2.503573	4.860046						
2421000	2.412666	5.013215						
2422000	2.479263	4.996978						
2423000	2.373694	4.835692						
2424000	2.511002	4.856349						
2425000	2.586668	4.989574						
2426000	2.508902	5.315991						
2427000	2.476679	4.996962						
2428000	2.508272	5.121916						
2429000	2.460514	5.117523						
2430000	2.49938	5.19181						
2431000	2.3976	4.752671						



2432000	2.5635	4.997825						
2433000	2.529131	4.946685						
2434000	2.509262	4.755903						
2435000	2.477164	4.891228						
2436000	2.563758	4.934459						
2437000	2.549262	4.806225						
2438000	2.543636	4.754422						
2439000	2.638134	4.762917						
2440000	2.589949	4.911295						
2441000	2.565363	4.893187						
2442000	2.533459	4.960856						
2443000	2.588352	4.761577						
2444000	2.474159	4.997841						
2445000	2.317453	4.863457						
2446000	2.475343	5.026366						
2447000	2.555186	4.856268						
2448000	2.533193	4.9095						
2449000	2.483231	4.824485						
2450000	2.470617	5.003282						
2451000	2.525607	4.829442						
2452000	2.535139	5.001248						
2453000	2.457913	4.755916						
2454000	2.579459	4.894853						
2455000	2.699608	4.692106						
2456000	2.554176	4.814318						
2457000	2.550275	4.857484						
2458000	2.600044	4.841363						
2459000	2.949542	4.808192						
2460000	2.986538	4.842821						
2461000	2.970061	4.945235						
2462000	2.910756	4.722838						
2463000	3.003723	5.066642						

2464000	2.850449	5.024235						
2465000	2.922551	5.011859						
2466000	4.146733	4.801797						
2467000	2.840109	4.631756						
2468000	3.147839	4.530817						
2469000	2.885092	5.200734						
2470000	2.76026	4.871945						
2471000	2.744289	4.764347						
2472000	2.770755	4.712002						
2473000	2.68212	4.970308						
2474000	2.725056	4.971812						
2475000	2.803999	4.983923						
2476000	2.84404	4.648585						
2477000	2.808922	4.74874						
2478000	2.898712	4.610228						
2479000	2.788447	4.87028						
2480000	2.794227	4.583698						
2481000	2.79863	4.836952						
2482000	2.997459	4.753443						
2483000	2.856364	4.850565						
2484000	2.846584	5.050069						
2485000	2.866554	5.023375						
2486000	2.941803	5.003743						
2487000	2.856542	4.956286						
2488000	2.920295	5.030777						
2489000	2.658898	5.058007						
2490000	2.727723	4.991541						
2491000	2.504675	4.972565						
2492000	2.783726	4.962967						
2493000	2.740371	4.959927						
2494000	2.745861	4.894408						
2495000	2.625351	5.101481						

2496000	2.658203	4.629609						
2497000	2.813886	5.100427						
2498000	2.753572	4.55705						
2499000	2.860317	4.775965						
2500000	2.814868	4.877186						
2501000	2.803753	4.822591						
2502000	2.733197	4.850005						
2503000	2.869016	4.892329						
2504000	2.978232	4.585889						
2505000	2.82738	5.006576						
2506000	2.851753	4.809151						
2507000	2.772132	5.009372						
2508000	2.734567	4.916297						
2509000	2.705089	4.707687						
2510000	2.697322	6.214187						
2511000	2.428381	4.764752						
2512000	2.690259	4.793988						
2513000	2.746086	4.722801						
2514000	2.685009	4.875312						
2515000	2.697313	4.92231						
2516000	2.614348	4.82954						
2517000	2.672875	4.899608						
2518000	2.68429	4.939525						
2519000	2.744346	4.73779						
2520000	2.65259	5.104878						
2521000	2.78044	5.093846						
2522000	2.675435	4.933357						
2523000	2.858523	4.764059						
2524000	2.684483	4.91278						
2525000	2.783227	4.848087						
2526000	2.769544	4.853967						
2527000	2.830354	5.010005						

2528000	2.811296	4.98786						
2529000	2.809949	4.821557						
2530000	2.812633	4.932256						
2531000	2.658192	4.774225						
2532000	2.645437	4.72239						
2533000	2.756654	4.996863						
2534000	2.816973	4.914992						
2535000	2.659128	5.073214						
2536000	2.762763	5.176959						
2537000	2.797446	4.795275						
2538000	2.834964	4.913473						
2539000	2.735693	4.85449						
2540000	2.797028	4.939951						
2541000	2.867988	4.889599						
2542000	2.74613	4.998388						
2543000	2.711012	5.086566						
2544000	2.740575	4.959305						
2545000	2.610925	4.968172						
2546000	2.603099	4.994014						
2547000	2.759843	4.944706						
2548000	2.74736	4.997579						
2549000	2.686329	4.976567						
2550000	2.660283	5.265216						
2551000	2.79583	4.90636						
2552000	2.750199	4.804248						
2553000	2.738965	4.766193						
2554000	2.804171	4.62305						
2555000	2.810518	5.155056						
2556000	2.869592	4.902544						
2557000	2.582161	4.954067						
2558000	2.431568	4.939283						
2559000	2.603301	4.979584						

2560000	2.6227	5.10558						
2561000	2.722141	5.015139						
2562000	2.613606	5.155076						
2563000	2.638812	4.572337						
2564000	2.689468	4.857312						
2565000	2.778413	4.832533						
2566000	2.770173	4.868291						
2567000	2.75381	4.935602						
2568000	2.672173	4.925293						
2569000	2.586311	5.054501						
2570000	2.604313	4.856782						
2571000	2.730152	4.888398						
2572000	2.724087	4.931055						
2573000	2.686392	5.271019						
2574000	2.735296	4.642198						
2575000	2.739207	4.899904						
2576000	2.714537	4.808662						
2577000	2.628874	4.753866						
2578000	2.699474	5.056307						
2579000	2.443008	5.074166						
2580000	2.583557	5.039984						
2581000	2.630578	4.839466						
2582000	2.626285	4.927025						
2583000	2.603785	5.093969						
2584000	2.70716	5.087514						
2585000	2.711367	4.87347						
2586000	2.760186	4.776061						
2587000	2.662077	4.754507						
2588000	2.753525	4.868133						
2589000	2.672939	4.858247						
2590000	2.734934	4.858177						
2591000	2.600394	4.732141						

2592000	2.496282	5.148008						
2593000	2.616827	4.990093						
2594000	2.745752	5.071267						
2595000	2.617273	5.162839						
2596000	2.663742	4.309236						
2597000	2.713684	4.827686						
2598000	2.629167	4.841699						
2599000	2.705262	4.922864						
2600000	2.708464	4.905598						
2601000	2.58824	5.025204						
2602000	2.423844	4.95761						
2603000	2.611385	4.937342						
2604000	2.692551	4.827817						
2605000	2.644635	5.27407						
2606000	2.821309	4.630652						
2607000	2.687792	4.872377						
2608000	2.7087	4.892774						
2609000	2.707219	4.964168						
2610000	2.797204	4.963269						
2611000	2.614947	4.884977						
2612000	2.646775	4.992794						
2613000	2.784432	4.976423						
2614000	2.727115	4.963866						
2615000	2.758274	4.733461						
2616000	2.663281	4.875528						
2617000	2.705243	4.947463						
2618000	2.751774	5.152896						
2619000	2.809515	4.952307						
2620000	2.514367	4.912344						
2621000	2.500778	4.690422						
2622000	2.655877	5.164025						
2623000	2.637027	5.016795						

2624000	2.789123	5.120132						
2625000	2.700261	4.947453						
2626000	2.672057	4.876977						
2627000	2.759766	4.86769						
2628000	2.674821	5.038113						
2629000	2.733323	4.962597						
2630000	2.604975	4.883558						
2631000	2.622502	4.958165						
2632000	2.693749	5.140821						
2633000	2.792277	5.170858						
2634000	2.970299	4.956335						
2635000	3.056251	4.780637						
2636000	3.046346	4.748041						
2637000	2.988015	4.72398						
2638000	3.13403	5.065278						
2639000	3.003837	5.043087						
2640000	3.074832	4.77173						
2641000	3.100403	4.975588						
2642000	2.956844	4.848784						
2643000	3.005225	4.64731						
2644000	3.12862	4.857423						
2645000	3.022896	5.010532						
2646000	3.056348	4.854397						
2647000	2.846323	4.932829						
2648000	2.780929	4.698808						
2649000	3.026085	4.737152						
2650000	3.019328	4.929711						
2651000	3.000796	4.823722						
2652000	3.10481	4.758673						
2653000	2.972315	4.885898						
2654000	2.943353	4.685193						
2655000	3.091152	5.016421						

2656000	2.700076	5.075865						
2657000	2.828378	4.963474						
2658000	2.94466	4.991164						
2659000	2.884983	5.012618						
2660000	2.916741	4.6222						
2661000	2.888058	4.799252						
2662000	3.038388	5.037492						
2663000	2.810721	5.026563						
2664000	2.701939	4.789546						
2665000	2.851903	5.05191						
2666000	2.815175	4.946696						
2667000	2.89259	4.735857						
2668000	2.852391	4.782578						
2669000	2.930392	4.826371						
2670000	2.853417	4.95675						
2671000	3.078962	4.726936						
2672000	2.873444	4.902389						
2673000	2.87164	4.676244						
2674000	2.897222	4.835563						
2675000	2.967207	4.473388						
2676000	2.891819	4.953548						
2677000	2.811454	5.042394						
2678000	3.002021	5.025088						
2679000	2.826336	4.766339						
2680000	2.846357	4.932682						
2681000	2.850073	4.940628						
2682000	2.847598	4.743645						
2683000	2.917436	4.853277						
2684000	2.907379	5.25957						
2685000	2.816855	4.722201						
2686000	2.676091	5.246085						
2687000	2.694715	5.135975						



2688000	2.789558	4.867357						
2689000	2.861607	4.59663						
2690000	2.785845	4.820493						
2691000	2.711103	4.925024						
2692000	2.855625	4.824349						
2693000	2.64087	4.896924						
2694000	2.599872	5.071762						
2695000	2.631018	4.997113						
2696000	2.839659	4.730646						
2697000	2.808017	4.879806						
2698000	2.7415	4.938656						
2699000	2.841524	4.948676						
2700000	2.671127	4.809002						
2701000	2.680401	5.070493						
2702000	2.707203	4.845435						
2703000	2.763659	5.022107						
2704000	2.848856	4.912587						
2705000	2.706308	5.012745						
2706000	2.835132	4.890972						
2707000	2.677168	5.087132						
2708000	2.638987	5.088553						
2709000	2.724329	4.97639						
2710000	2.711325	4.912525						
2711000	2.815338	4.923367						
2712000	2.757005	4.924417						
2713000	2.473843	5.076202						
2714000	2.707893	4.9639						
2715000	2.695136	5.111467						
2716000	2.679686	5.094365						
2717000	2.74134	4.694628						
2718000	2.742341	4.908982						
2719000	2.74737	4.997824						

2720000	2.722381	5.072149						
2721000	2.62094	4.846353						
2722000	2.680325	5.082033						
2723000	2.72204	4.994145						
2724000	2.65544	4.715181						
2725000	2.648599	4.869419						
2726000	2.374291	4.851204						
2727000	2.601389	5.054422						
2728000	2.501587	5.063688						
2729000	2.612272	4.871024						
2730000	2.736546	4.909736						
2731000	2.657915	4.929658						
2732000	2.637824	4.970555						
2733000	2.765908	5.032724						
2734000	2.616424	4.798912						
2735000	2.69887	5.006333						
2736000	2.58817	4.989389						
2737000	2.782623	4.902349						
2738000	2.732887	4.863508						
2739000	3.493701	4.765324						
2740000	2.737008	5.067207						
2741000	2.68894	4.958117						
2742000	2.784465	5.094411						
2743000	2.668377	4.814234						
2744000	2.621285	4.976882						
2745000	2.645936	4.990487						
2746000	2.686927	4.423205						
2747000	2.70137	5.06054						
2748000	2.827469	5.138201						
2749000	2.559607	4.787105						
2750000	2.661948	5.150968						
2751000	2.7867	4.584407						

2752000	2.766093	4.893204						
2753000	2.571106	4.524251						
2754000	2.462838	4.593702						
2755000	2.521572	5.159238						
2756000	2.566047	5.201165						
2757000	2.849637	4.952075						
2758000	2.66614	5.050768						
2759000	2.819396	4.937589						
2760000	2.5291	4.794272						
2761000	2.70876	4.891267						
2762000	2.678559	4.800687						
2763000	2.750842	5.004293						
2764000	2.477757	4.896098						
2765000	2.620659	4.349149						
2766000	2.699715	5.147278						
2767000	2.701314	5.033555						
2768000	2.653517	4.870637						
2769000	2.785529	4.99418						
2770000	2.636708	4.789916						
2771000	2.436007	4.628824						
2772000	2.580697	4.712984						
2773000	2.666786	4.639762						
2774000	2.509832	4.961085						
2775000	2.636808	5.06645						
2776000	2.544894	4.743035						
2777000	2.712948	4.891565						
2778000	2.696045	4.54993						
2779000	2.639025	4.833802						
2780000	2.682026	5.056227						
2781000	2.719992	5.029576						
2782000	2.662113	4.851839						
2783000	2.691318	4.948956						

2784000	2.664945	4.712653					
2785000	2.643262	4.863327					
2786000	2.647108	4.973979					
2787000	2.563206	4.807164					
2788000	2.643895	4.891818					
2789000	2.760991	4.812188					
2790000	2.625106	4.93786					
2791000	2.690714	5.000348					
2792000	2.689978	5.117319					
2793000	2.722359	4.773431					
2794000	2.666588	5.177637					
2795000	2.683935	4.900959					
2796000	2.650728	4.933203					
2797000	2.685569	4.856128					
2798000	2.608731	4.878848					
2799000	2.648061	4.831599					
2800000	2.793813	4.508864					
2801000	2.682726	4.995362					
2802000	2.388819	4.927396					
2803000	2.545783	4.892775					
2804000	2.618342	4.869018					
2805000	2.695023	4.561353					
2806000	2.607481	4.921295					
2807000	2.699911	4.976522					
2808000	2.809356	4.780155					
2809000	2.904332	5.099773					
2810000	2.994827	4.902561					
2811000	3.033891	4.530855					
2812000	2.966397	4.834107					
2813000	2.96511	4.954496					
2814000	2.724512	4.467895					
2815000	2.810565	5.048557					

2816000	3.040572	4.535982						
2817000	2.970657	4.984608						
2818000	3.076909	4.869997						
2819000	2.97469	5.005729						
2820000	2.869873	4.899122						
2821000	2.848004	4.897999						
2822000	2.849059	4.732979						
2823000	2.94766	4.822331						
2824000	2.811595	4.974045						
2825000	2.862875	5.041584						
2826000	2.899964	4.912315						
2827000	3.12507	4.716305						
2828000	2.940728	4.8968						
2829000	2.978171	4.899435						
2830000	2.95513	4.963467						
2831000	2.848492	4.71685						
2832000	2.921387	4.875529						
2833000	2.9144	4.835672						
2834000	2.861292	4.757506						
2835000	2.896631	4.910212						
2836000	2.739601	4.849656						
2837000	2.831905	4.8679						
2838000	2.859371	4.723991						
2839000	2.905319	4.983554						
2840000	2.612175	4.732025						
2841000	2.868156	4.962155						
2842000	2.944585	4.984716						
2843000	2.960515	4.879799						
2844000	3.009127	4.89883						
2845000	2.915068	4.977258						
2846000	2.946801	5.090479						
2847000	2.751372	5.00021						

2848000	2.928356	5.047922					
2849000	2.9873	4.591233					
2850000	2.922256	4.858029					
2851000	2.925961	4.988334					
2852000	2.770028	4.973042					
2853000	2.889907	5.009489					
2854000	2.838068	4.602262					
2855000	2.861991	4.851538					
2856000	2.836621	4.950602					
2857000	2.718471	5.129172					
2858000	2.723474	4.943911					
2859000	2.767874	4.957709					
2860000	2.951793	4.896608					
2861000	2.913398	4.985183					
2862000	2.788007	4.833163					
2863000	2.826599	5.015073					
2864000	2.835995	4.904877					
2865000	2.979225	4.840238					
2866000	2.848031	4.8717					
2867000	2.955086	4.816784					
2868000	2.677457	4.612215					
2869000	2.916226	4.864469					
2870000	2.636738	4.777145					
2871000	2.885856	4.883546					
2872000	2.867535	4.870312					
2873000	2.789522	5.067269					
2874000	2.864625	4.924023					
2875000	2.928633	4.929847					
2876000	2.870848	5.010483					
2877000	2.939502	5.279786					
2878000	2.752137	4.975238					
2879000	2.769931	5.076727					

2880000	2.814191	4.928986						
2881000	2.932701	5.010432						
2882000	2.969033	5.07599						
2883000	2.82332	4.902509						
2884000	2.888559	5.188648						
2885000	2.917848	4.912901						
2886000	2.823301	5.156608						
2887000	2.833709	5.061623						
2888000	2.802373	4.943068						
2889000	2.919133	4.983689						
2890000	2.837437	4.820363						
2891000	2.982818	4.740239						
2892000	2.80152	4.944409						
2893000	2.818576	5.080041						
2894000	2.832121	4.659019						
2895000	2.850465	4.745251						
2896000	2.813416	4.90504						
2897000	2.701121	4.960048						
2898000	2.785432	4.991638						
2899000	2.838696	4.670024						
2900000	2.762268	4.786322						
2901000	2.926431	5.122444						
2902000	2.85219	4.797829						
2903000	2.930573	4.918071						
2904000	2.944368	4.85205						
2905000	2.901916	4.827863						
2906000	2.805153	4.855319						
2907000	2.876487	4.949579						
2908000	3.008381	4.921547						
2909000	3.410293	5.097176						
2910000	2.873084	4.463361						
2911000	2.945749	4.670676						

2912000	2.995344	4.881544						
2913000	2.935829	4.735756						
2914000	2.906143	4.905643						
2915000	2.939353	4.676342						
2916000	3.055181	5.020326						
2917000	2.707762	4.801751						
2918000	2.609703	4.849569						
2919000	2.71426	4.842584						
2920000	2.741148	4.778514						
2921000	2.590754	4.809578						
2922000	2.614784	4.986511						
2923000	2.704339	4.917752						
2924000	2.772754	4.963459						
2925000	2.724921	5.123798						
2926000	2.734471	5.099304						
2927000	2.723513	4.664932						
2928000	2.761706	4.931401						
2929000	2.72459	4.801197						
2930000	2.627615	4.745273						
2931000	2.656323	4.717005						
2932000	2.697101	4.973069						
2933000	2.693166	4.95305						
2934000	2.571262	4.83796						
2935000	2.634813	4.761242						
2936000	2.666344	4.790461						
2937000	2.787446	5.106408						
2938000	2.545745	4.935329						
2939000	2.638289	4.928092						
2940000	2.787178	4.893252						
2941000	2.675698	4.851972						
2942000	2.489552	4.985552						
2943000	2.626626	4.726334						



2944000	3.038065	4.44926						
2945000	2.398798	4.701449						
2946000	2.860531	4.786536						
2947000	2.613677	4.797522						
2948000	2.670542	4.885437						
2949000	2.660713	4.88365						
2950000	2.661463	4.989488						
2951000	2.66282	4.96911						
2952000	2.67103	4.542321						
2953000	2.60933	4.934871						
2954000	2.58049	4.872254						
2955000	2.630105	5.016043						
2956000	2.657643	4.857824						
2957000	2.701307	4.921674						
2958000	2.664338	4.928738						
2959000	2.618706	5.028013						
2960000	2.650328	4.735502						
2961000	2.696075	5.003392						
2962000	2.566033	4.99635						
2963000	2.622764	4.979991						
2964000	2.698134	4.826005						
2965000	2.659799	5.048601						
2966000	2.509772	4.96472						
2967000	2.5866	4.978424						
2968000	2.625228	4.720298						
2969000	2.628109	4.898139						
2970000	2.505075	4.76139						
2971000	2.624417	4.950043						
2972000	2.376419	4.84271						
2973000	2.730919	4.986807						
2974000	2.609495	4.943416						
2975000	2.540414	4.643303						

2976000	2.637483	4.945931						
2977000	2.63662	4.984427						
2978000	2.625862	5.006866						
2979000	2.694982	4.948147						
2980000	2.5195	5.133707						
2981000	2.421616	4.977917						
2982000	2.645823	4.997278						
2983000	2.894959	5.091307						
2984000	2.884745	4.885033						
2985000	2.799129	5.057448						
2986000	2.902794	4.72256						
2987000	3.089555	4.822322						
2988000	2.973636	5.05906						
2989000	2.890567	5.074302						
2990000	2.962411	4.638102						
2991000	2.998081	4.902828						
2992000	3.028067	5.098717						
2993000	2.836562	5.113784						
2994000	2.861688	4.808759						
2995000	2.854236	4.976448						
2996000	2.833366	5.146981						
2997000	2.868197	5.110761						
2998000	2.918002	4.695246						
2999000	2.890474	4.907159						
3000000	2.938309	4.958326						
3001000	2.844848	5.102939						
3002000	2.820819	4.679585						
3003000	2.857227	4.884429						
3004000	2.922802	5.073449						
3005000	2.88888	5.120906						
3006000	2.895871	4.779733						
3007000	2.791518	5.173605						

3008000	2.81768	4.864217						
3009000	2.808391	4.861542						
3010000	2.788414	4.859026						
3011000	2.890804	4.957849						
3012000	2.772524	4.903514						
3013000	2.889487	5.037357						
3014000	2.882738	4.858856						
3015000	2.867046	5.157993						
3016000	2.779953	4.866696						
3017000	2.868232	4.995841						
3018000	2.917092	4.845102						
3019000	2.876277	5.086594						
3020000	2.733793	4.983285						
3021000	2.798046	4.927275						
3022000	2.829885	4.818487						
3023000	2.752896	4.886316						
3024000	2.599535	4.815398						
3025000	2.71831	4.695789						
3026000	2.764676	4.964633						
3027000	2.797517	5.206855						
3028000	2.643579	5.074146						
3029000	2.855361	5.092769						
3030000	2.829502	5.1063						
3031000	3.923735	5.441029						
3032000	2.714685	4.901132						
3033000	2.765694	4.686254						
3034000	2.778123	4.82067						
3035000	2.999586	4.919704						
3036000	2.868821	4.873543						
3037000	2.812185	4.880728						
3038000	2.805957	4.751084						
3039000	2.891886	4.87817						

3040000	2.896397	4.944013						
3041000	2.769715	5.005767						
3042000	2.827156	5.076249						
3043000	2.854232	4.926019						
3044000	2.730804	5.100835						
3045000	2.868996	4.672351						
3046000	2.796702	4.851395						
3047000	2.739578	4.83469						
3048000	2.762719	5.128226						
3049000	2.899281	4.887587						
3050000	2.796863	4.973494						
3051000	2.802159	4.737451						
3052000	2.878076	4.904632						
3053000	2.952185	4.904689						
3054000	2.907326	4.615368						
3055000	2.864583	4.907768						
3056000	2.89744	4.750747						
3057000	2.898432	4.967049						
3058000	2.743166	4.936015						
3059000	2.916012	4.97598						
3060000	2.867945	4.810204						
3061000	2.88288	5.09036						
3062000	2.761301	5.028807						
3063000	2.847009	4.933073						
3064000	2.825109	4.916915						
3065000	2.646671	4.882627						
3066000	2.911285	5.091066						
3067000	2.779314	4.899505						
3068000	2.800027	4.943402						
3069000	2.757158	4.975881						
3070000	2.799941	4.697431						
3071000	2.720936	4.985969						

3072000	2.628843	4.937181						
3073000	2.767029	4.780078						
3074000	2.824193	5.096407						
3075000	2.671959	5.007406						
3076000	2.844282	4.994232						
3077000	2.850136	5.310337						
3078000	2.599073	4.72773						
3079000	2.779486	4.982347						
3080000	3.003949	4.915445						
3081000	2.922866	5.191265						
3082000	2.710572	5.156032						
3083000	2.86456	4.906109						
3084000	2.75424	5.042968						
3085000	2.674326	4.962063						
3086000	2.885403	4.528952						
3087000	2.936687	4.731604						
3088000	2.560356	4.695736						
3089000	2.894566	4.935593						
3090000	2.828724	8.388925						
3091000	2.582214	4.584355						
3092000	2.70515	4.912858						
3093000	2.863788	4.841369						
3094000	2.788124	4.890935						
3095000	2.760385	4.881491						
3096000	2.767398	4.905691						
3097000	2.798702	4.78457						
3098000	2.68424	4.927918						
3099000	2.919852	4.851007						
3100000	2.834018	4.989314						
3101000	2.774171	4.933717						
3102000	2.774066	5.143436						
3103000	2.762595	4.830193						

3104000	2.703583	5.098183						
3105000	2.713111	5.108992						
3106000	2.779626	4.719005						
3107000	2.817387	4.81528						
3108000	2.685374	4.842962						
3109000	2.759002	4.963814						
3110000	2.783983	5.165219						
3111000	2.610141	4.970038						
3112000	2.689179	5.155644						
3113000	2.647008	5.008562						
3114000	2.713809	4.819641						
3115000	2.715153	4.886848						
3116000	2.82889	4.821364						
3117000	2.756346	4.888053						
3118000	2.688472	4.958553						
3119000	2.694636	4.88624						
3120000	2.762978	5.007193						
3121000	2.692483	5.0781						
3122000	2.852555	4.72222						
3123000	2.75564	4.697001						
3124000	2.656537	4.890069						
3125000	2.894763	4.777227						
3126000	2.758348	4.900415						
3127000	2.739492	4.864089						
3128000	2.849348	4.77549						
3129000	2.876877	4.834137						
3130000	2.746575	4.931981						
3131000	2.891841	4.682885						
3132000	2.897224	4.909761						
3133000	2.87485	4.809199						
3134000	2.723376	4.949743						
3135000	2.792173	4.855364						

3136000	2.727221	4.747447						
3137000	2.739273	4.921621						
3138000	2.90849	4.795984						
3139000	2.849498	4.963041						
3140000	2.688605	5.130879						
3141000	2.802931	4.80437						
3142000	2.720097	4.924849						
3143000	2.641951	4.941553						
3144000	2.791091	4.78002						
3145000	2.7913	4.987146						
3146000	2.696616	5.006059						
3147000	2.812458	4.671935						
3148000	2.745515	4.782876						
3149000	2.710029	4.933158						
3150000	2.794317	4.765413						
3151000	2.852358	4.833276						
3152000	2.621586	4.974887						
3153000	2.734917	4.645451						
3154000	2.726829	4.821116						
3155000	2.571574	4.98486						
3156000	2.604201	4.528222						
3157000	2.762677	5.091006						
3158000	2.907654	4.994629						
3159000	2.944798	4.569086						
3160000	3.062737	4.966716						
3161000	2.969847	5.248431						
3162000	3.123187	5.048975						
3163000	3.152071	4.801968						
3164000	3.329127	4.9411						
3165000	3.237306	4.841748						
3166000	3.218131	4.755341						
3167000	3.28839	4.788634						

3168000	3.186109	4.990099						
3169000	3.257589	4.829914						
3170000	3.230254	4.87416						
3171000	3.215604	4.924663						
3172000	3.196832	4.78931						
3173000	3.128421	4.941154						
3174000	3.020793	4.965149						
3175000	3.172981	4.972634						
3176000	3.097187	4.828788						
3177000	2.886516	4.739316						
3178000	3.064169	4.82545						
3179000	3.128979	4.86001						
3180000	2.96494	4.990059						
3181000	2.951306	4.626341						
3182000	2.958862	4.756318						
3183000	2.781985	4.737272						
3184000	3.075591	4.770074						
3185000	2.963367	4.920507						
3186000	2.837587	4.950253						
3187000	3.041285	4.613561						
3188000	3.009202	4.822352						
3189000	2.874813	5.050088						
3190000	2.622396	4.706105						
3191000	2.902146	5.066809						
3192000	2.916946	4.835412						
3193000	3.001968	4.751756						
3194000	4.517847	4.525543						
3195000	2.762016	4.733036						
3196000	2.783744	4.734048						
3197000	2.92238	4.887154						
3198000	2.838907	4.89014						
3199000	2.826633	4.999452						



3200000	2.763068	4.779501						
1000	2.941677	4.736434						
2000	4.377986	4.729276						
3000	4.853199	4.88609						
4000	4.855806	4.718999						
5000	4.889812	4.852698						
6000	4.703201	4.778468						
7000	5.000535	4.864541						
8000	5.011168	4.794672						
9000	5.075118	4.886955						
10000	4.882794	4.80943						
11000	5.120055	4.878648						
12000	4.132748	4.812578						
13000	4.261473	4.874848						
14000	5.89938	5.906512						
15000	2.562586	4.906958						
16000	2.998201	4.823312						
17000	4.454404	4.901634						
18000	4.356236	3.123747						
19000	4.477818	4.903657						
20000	4.444144	4.841613						
21000	4.364164	4.899694						
22000	4.580901	4.828993						
23000	4.575069	4.904814						
24000	4.604997	4.819115						
25000	4.660696	4.893704						
26000	4.454026	4.832566						
27000	4.725616	4.897633						
28000	4.661577	4.834056						
29000	4.904748	4.89042						
30000	4.661365	5.309927						
31000	4.818015	5.431713						

32000	5.275205	3.361868						
33000	4.642358	4.678642						
34000	3.972588	4.855284						
35000	4.735624	4.902702						
36000	5.055191	4.83253						
37000	4.686419	4.919243						
38000	4.607208	4.858419						
39000	4.595236	4.38802						
40000	4.446864	4.848222						
41000	4.45716	4.902057						
42000	4.575292	4.847529						
43000	4.752971	4.898642						
44000	4.700767	4.848691						
45000	4.646172	4.928997						
46000	4.686096	4.855092						
47000	4.739626	4.918139						
48000	4.711821	5.091651						
49000	4.7569	4.917224						
50000	4.628264	4.845094						
51000	4.797248	4.916278						
52000	4.727489	4.930333						
53000	4.801034	4.917201						
54000	4.819759	4.847568						
55000	4.861334	4.919689						
56000	4.754355	4.847355						
57000	4.857404	4.91983						
58000	4.924888	4.845303						
59000	4.837176	4.912676						
60000	4.735243	4.858643						
61000	4.781527	4.912469						
62000	4.757716	4.851248						
63000	4.710285	4.995325						

64000	4.665804	4.859223						
65000	4.857262	4.910322						
66000	5.409014	4.36064						
67000	5.254406	4.167235						
68000	6.214977	4.262972						
69000	4.829446	4.902011						
70000	4.845033	5.104967						
71000	4.889579	4.914394						
72000	4.907523	4.611804						
73000	4.880145	4.917755						
74000	4.608353	4.85225						
75000	4.853568	4.913386						
76000	4.795744	4.849018						
77000	4.818581	4.91204						
78000	5.46667	5.80573						
79000	4.78796	4.92272						
80000	4.754162	4.861558						
81000	4.737345	4.913618						
82000	4.616528	4.85377						
83000	4.47629	4.922472						
84000	4.419054	4.85471						
85000	4.687305	4.918427						
86000	4.733935	4.845924						
87000	4.77275	4.971523						
88000	4.730726	4.854194						
89000	4.828834	4.907007						
90000	4.782181	4.844655						
91000	4.860288	4.913663						
92000	4.862501	4.856156						
93000	4.834847	4.918584						
94000	4.905832	4.898625						
95000	4.789284	4.915927						

96000	4.887986	4.85371						
97000	4.949889	4.917052						
98000	5.466918	4.852995						
99000	4.951566	4.911921						
100000	4.954092	4.852099						
101000	4.721618	4.913497						
102000	4.833051	4.854407						
103000	4.841346	5.333163						
104000	4.163382	3.582794						
105000	4.780632	4.469682						
106000	4.788348	4.893803						
107000	4.793435	4.908142						
108000	4.855843	4.85819						
109000	4.892691	4.913794						
110000	4.843127	4.849071						
111000	4.871463	4.922164						
112000	4.919782	4.849114						
113000	4.914803	4.912334						
114000	4.394542	4.856354						
115000	4.911431	4.926244						
116000	4.852591	4.857787						
117000	4.875002	4.949115						
118000	5.033046	3.908433						
119000	4.860929	4.91911						
120000	4.775887	4.858802						
121000	4.86719	4.646839						
122000	4.731937	4.901275						
123000	4.751835	4.389273						
124000	4.675142	4.860134						
125000	4.577623	4.918608						
126000	4.446621	4.854668						
127000	4.498194	5.05397						

128000	4.879375	4.832868						
129000	4.406043	4.906814						
130000	4.750272	4.980669						
131000	3.656124	4.921083						
132000	4.836864	4.849182						
133000	4.8462	4.921602						
134000	4.83623	4.855685						
135000	4.91345	4.91546						
136000	4.8603	4.861758						
137000	4.710374	4.918536						
138000	4.886782	4.854678						
139000	5.479217	4.000223						
140000	4.977059	4.854075						
141000	4.950567	4.913419						
142000	4.897448	4.855903						
143000	4.968037	4.920629						
144000	4.803849	4.859529						
145000	4.826412	4.94012						
146000	4.832684	5.763336						
147000	4.732847	4.896111						
148000	4.708894	5.009069						
149000	4.850559	4.965374						
150000	4.819099	4.861799						
151000	4.921483	4.921897						
152000	4.891792	5.246994						
153000	4.926512	4.986394						
154000	5.123556	4.583894						
155000	4.937633	4.922801						
156000	4.898921	4.858867						
157000	4.986108	4.951408						
158000	4.96803	4.854696						
159000	4.918279	4.92207						

160000	4.856054	5.399012						
161000	4.871018	4.947081						
162000	4.717936	5.601169						
163000	5.853346	4.894462						
164000	4.787979	4.853053						
165000	4.791263	4.914142						
166000	4.723722	4.86025						
167000	4.701642	4.873725						
168000	4.584093	4.857663						
169000	4.487005	4.916467						
170000	4.568013	4.854973						
171000	4.717679	4.91364						
172000	4.703365	5.042907						
173000	4.78618	4.786707						
174000	3.757165	4.853901						
175000	4.872377	3.880605						
176000	4.831321	4.853161						
177000	4.860947	4.918486						
178000	5.780918	4.997441						
179000	4.815766	4.952474						
180000	4.846638	4.856755						
181000	4.932017	4.901311						
182000	4.910886	4.853782						
183000	4.808808	4.916014						
184000	5.525807	4.849531						
185000	4.920891	4.533915						
186000	4.925043	4.859201						
187000	4.889031	5.253432						
188000	4.770366	4.859435						
189000	4.860432	4.945015						
190000	4.816101	4.856068						
191000	4.716818	4.744978						

192000	4.743052	4.997227						
193000	4.846846	4.920971						
194000	4.881597	4.859408						
195000	4.937662	4.921968						
196000	4.908749	4.856976						
197000	5.345395	5.043303						
198000	4.879191	4.856756						
199000	5.107555	4.912857						
200000	5.346382	4.215452						
201000	4.420258	4.916578						
202000	4.890394	4.855513						
203000	4.838203	4.975643						
204000	4.745217	4.945286						
205000	5.133862	4.975						
206000	4.743718	4.859959						
207000	4.771715	4.908565						
208000	4.699916	5.001588						
209000	4.713275	4.914466						
210000	4.607732	4.857495						
211000	4.534032	4.924036						
212000	4.508213	5.268812						
213000	4.826128	4.913791						
214000	4.609941	4.854315						
215000	5.000763	4.909059						
216000	4.73879	4.881048						
217000	4.416041	4.873795						
218000	4.658576	4.856569						
219000	4.844256	4.949279						
220000	4.828565	5.353352						
221000	4.585721	4.912381						
222000	5.175298	4.788077						
223000	4.862604	4.915732						

224000	4.881423	5.008514						
225000	4.750286	4.91569						
226000	4.872366	4.855039						
227000	5.329317	4.92239						
228000	5.23903	4.449331						
229000	4.817538	4.627157						
230000	4.881262	4.851307						
231000	4.822724	4.91949						
232000	5.161137	4.844261						
233000	4.699338	4.911208						
234000	4.76918	4.852168						
235000	5.002796	5.681177						
236000	4.676632	4.837328						
237000	4.904116	4.911451						
238000	4.885291	4.849976						
239000	5.637057	4.415868						
240000	4.771006	4.895002						
241000	4.865714	4.914529						
242000	4.781624	4.838441						
243000	4.949855	4.913032						
244000	4.891547	4.854139						
245000	4.898918	4.062504						
246000	4.512133	4.27257						
247000	4.853891	4.913912						
248000	5.047439	5.044946						
249000	4.760655	4.93736						
250000	3.610315	4.818498						
251000	4.615536	4.903923						
252000	4.692698	4.858077						
253000	4.526426	5.393662						
254000	4.414007	5.028819						
255000	4.438907	4.902522						



256000	4.580998	4.760435						
257000	4.690639	4.927998						
258000	5.166486	4.813419						
259000	4.806247	5.319363						
260000	4.596231	4.826279						
261000	4.790462	5.136221						
262000	4.290136	5.590597						
263000	4.912136	4.573993						
264000	4.394673	4.893375						
265000	4.855526	5.097932						
266000	4.402341	4.833334						
267000	4.80494	4.899139						
268000	4.898234	4.852818						
269000	5.296446	4.841934						
270000	3.95603	4.844046						
271000	4.958206	4.90563						
272000	4.244289	4.986563						
273000	4.842444	4.896679						
274000	4.731585	4.799885						
275000	4.902209	4.904064						
276000	4.69014	4.855449						
277000	4.822066	5.392432						
278000	4.863172	4.769747						
279000	4.758765	4.916633						
280000	4.880075	4.840938						
281000	4.865255	4.644374						
282000	4.835929	4.850963						
283000	5.120928	4.900603						
284000	4.915844	4.336159						
285000	4.928339	4.642573						
286000	4.822749	4.868416						
287000	5.280811	4.749834						

288000	4.3691	5.081214						
289000	4.683086	4.905561						
290000	4.808413	4.869617						
291000	4.806147	4.907987						
292000	4.765924	5.168983						
293000	4.686737	5.086322						
294000	4.627796	4.840691						
295000	4.69327	4.89561						
296000	4.857727	4.051352						
297000	4.392413	4.900199						
298000	4.549062	4.83861						
299000	4.338818	5.304446						
300000	4.586464	4.843282						
301000	4.765902	5.18663						
302000	4.951701	5.760621						
303000	4.546933	2.243289						
304000	5.442452	4.63543						
305000	4.800544	4.636004						
306000	4.563551	5.073001						
307000	4.811047	4.046803						
308000	5.948022	4.93864						
309000	4.324462	4.912626						
310000	5.018768	5.193713						
311000	4.943822	4.80448						
312000	4.863942	5.223355						
313000	5.214769	4.856047						
314000	4.847659	4.7902						
315000	4.960254	4.909704						
316000	4.836801	5.064531						
317000	4.740142	4.885885						
318000	4.66944	5.119751						
319000	4.855847	5.291103						

320000	4.992938	4.823185						
321000	4.865575	4.917228						
322000	5.203419	4.843912						
323000	5.041744	6.099236						
324000	5.720559	4.894867						
325000	4.922335	4.501087						
326000	4.710372	4.872892						
327000	4.923013	4.732614						
328000	3.864718	6.61243						
329000	4.781654	4.37867						
330000	4.784497	4.849877						
331000	4.70482	5.475742						
332000	4.718429	4.845736						
333000	3.931073	6.019461						
334000	4.753727	4.839468						
335000	4.88467	4.902991						
336000	4.824298	4.909194						
337000	4.644623	4.897404						
338000	4.572375	4.718311						
339000	4.589085	4.901406						
340000	4.523843	4.896449						
341000	4.517912	4.894424						
342000	4.733005	4.83338						
343000	4.737316	4.881864						
344000	4.875965	4.882864						
345000	4.835322	4.875663						
346000	4.626282	4.859222						
347000	4.810374	4.902455						
348000	4.604544	4.846045						
349000	4.719797	4.824417						
350000	4.596939	4.733545						
351000	4.631785	4.901366						

352000	4.796753	4.830774						
353000	4.7163	4.944536						
354000	4.722716	4.830298						
355000	4.830695	4.849922						
356000	4.566608	4.81254						
357000	4.710155	4.975297						
358000	4.079683	4.632137						
359000	3.879069	4.901155						
360000	4.462805	4.794352						
361000	4.654824	4.887186						
362000	4.397958	4.691542						
363000	4.766977	4.816105						
364000	4.761369	4.815912						
365000	4.812833	4.943317						
366000	4.670757	4.793578						
367000	4.772153	4.837783						
368000	4.803064	4.629184						
369000	4.643512	4.871985						
370000	4.804826	4.820677						
371000	4.879809	4.821342						
372000	4.743097	4.835921						
373000	4.692658	4.87551						
374000	4.710274	4.914885						
375000	4.135415	4.757094						
376000	4.659489	4.729746						
377000	4.68155	4.866173						
378000	4.569807	4.812098						
379000	4.844812	4.79109						
380000	4.552937	4.797483						
381000	4.947427	4.749366						
382000	4.368531	4.764144						
383000	4.376154	4.85744						

384000	4.408463	5.017961						
385000	4.466955	5.058499						
386000	4.503074	4.805391						
387000	4.530359	5.168963						
388000	4.241571	4.764461						
389000	4.661182	4.844454						
390000	4.898076	4.301328						
391000	4.070417	4.74176						
392000	4.584685	4.988999						
393000	4.509705	4.875858						
394000	5.195359	4.76325						
395000	4.50794	4.864896						
396000	4.524282	4.808042						
397000	4.767741	4.865443						
398000	4.783903	4.14753						
399000	4.535209	4.889325						
400000	4.517422	4.588244						
401000	4.303689	4.836882						
402000	4.721492	4.071125						
403000	4.71994	4.826377						
404000	4.505383	4.866327						
405000	4.503065	4.985489						
406000	4.270499	5.309915						
407000	4.350158	4.80465						
408000	4.618867	5.10663						
409000	4.561038	4.858317						
410000	3.837474	4.875196						
411000	4.725978	4.677074						
412000	4.632503	5.101694						
413000	3.624339	5.033718						
414000	4.434492	4.772876						
415000	4.718269	4.698166						

416000	4.956961	4.889322						
417000	4.478911	4.807577						
418000	4.546644	5.088824						
419000	3.700495	4.767344						
420000	4.528048	4.823418						
421000	3.560774	4.652286						
422000	4.51892	4.85339						
423000	4.272471	5.087748						
424000	4.183283	5.365886						
425000	4.053998	4.836875						
426000	4.510332	4.267269						
427000	4.45739	4.809576						
428000	4.832443	4.923345						
429000	4.274976	4.845358						
430000	4.340207	5.06598						
431000	4.008724	4.738437						
432000	4.458456	4.800096						
433000	4.470579	4.624912						
434000	4.543948	4.505166						
435000	4.832043	4.825469						
436000	4.613381	4.616175						
437000	4.316086	4.77004						
438000	4.634762	5.076618						
439000	4.403757	4.846929						
440000	4.794048	4.906149						
441000	4.529249	4.826695						
442000	5.235822	4.584994						
443000	4.443711	4.783666						
444000	4.305717	4.745237						
445000	4.625996	4.339081						
446000	4.363079	4.753223						
447000	4.326243	5.66857						

448000	3.714517	4.705996						
449000	4.875549	4.075522						
450000	3.970066	4.594735						
451000	4.618646	4.720391						
452000	4.948639	4.61584						
453000	4.843965	4.651449						
454000	4.47809	4.732153						
455000	4.607948	3.499424						
456000	4.538848	4.872021						
457000	4.584894	4.814683						
458000	4.633728	4.426908						
459000	4.097115	4.733223						
460000	4.440721	4.747394						
461000	4.555813	5.153454						
462000	4.466135	4.667882						
463000	4.460634	5.520429						
464000	3.639354	4.532711						
465000	4.545998	4.824783						
466000	3.650502	4.731171						
467000	4.420843	4.227046						
468000	4.489886	4.868278						
469000	4.404161	4.702691						
470000	4.472343	4.716612						
471000	4.428503	4.89385						
472000	4.393478	5.161833						
473000	4.304589	4.747011						
474000	4.485975	4.502729						
475000	4.153775	4.806546						
476000	4.432057	4.707868						
477000	4.164564	4.655762						
478000	4.211303	4.906185						
479000	4.538614	5.200519						

480000	4.099287	4.737145						
481000	4.886458	4.857576						
482000	4.548136	4.599683						
483000	4.654886	4.421508						
484000	4.460514	5.201566						
485000	4.20148	4.673378						
486000	4.360105	4.722637						
487000	4.275563	4.806717						
488000	4.456854	4.637257						
489000	4.422877	4.937888						
490000	3.591585	4.77561						
491000	4.329431	4.987098						
492000	4.087323	4.734937						
493000	4.69612	4.942949						
494000	4.632314	4.911617						
495000	3.686089	4.674331						
496000	4.206981	4.704393						
497000	4.370411	4.900359						
498000	4.841009	4.850404						
499000	4.478854	5.25023						
500000	4.013328	4.508485						
501000	4.417858	4.771278						
502000	4.656562	5.003138						
503000	4.358764	4.767401						
504000	4.371457	4.285						
505000	3.937541	4.741328						
506000	4.384446	4.708815						
507000	4.433396	4.821117						
508000	4.042752	4.812678						
509000	4.21686	4.923106						
510000	3.781732	4.976696						
511000	4.039656	4.899759						



512000	4.137413	4.515897						
513000	4.394866	4.780315						
514000	4.472005	4.006014						
515000	4.133372	4.644781						
516000	4.56437	4.29415						
517000	4.37877	4.834249						
518000	4.267362	5.3199						
519000	4.426314	4.588007						
520000	4.26805	4.779465						
521000	4.196219	4.719406						
522000	4.576639	4.040476						
523000	4.468427	4.673902						
524000	4.0526	4.615588						
525000	4.996098	4.265705						
526000	3.661004	3.814371						
527000	4.185785	4.608342						
528000	4.660704	4.30931						
529000	4.101601	4.702714						
530000	4.584718	4.580585						
531000	4.256186	4.331592						
532000	4.392449	4.629481						
533000	4.377722	4.547434						
534000	4.73809	4.59392						
535000	4.380049	4.725137						
536000	4.758382	4.612051						
537000	4.402149	5.528697						
538000	4.069455	4.737525						
539000	4.32244	5.176622						
540000	4.246396	4.757058						
541000	4.222474	4.516118						
542000	4.301147	4.502498						
543000	4.260872	4.952201						

544000	4.232844	4.658936						
545000	4.72856	4.783625						
546000	4.26767	4.751012						
547000	4.284029	4.592507						
548000	4.265214	4.633154						
549000	4.308028	4.748087						
550000	4.142073	4.746137						
551000	3.937948	4.434861						
552000	4.173726	4.656869						
553000	3.804252	4.377643						
554000	3.899062	4.826893						
555000	4.227773	4.449795						
556000	4.043454	4.677927						
557000	3.940033	4.718565						
558000	4.271393	4.185239						
559000	4.150403	4.978043						
560000	4.099963	4.58608						
561000	4.381187	4.646258						
562000	4.224645	4.581778						
563000	4.096422	4.915899						
564000	4.473379	4.503161						
565000	4.364751	4.904542						
566000	4.228198	4.946258						
567000	3.937448	4.705682						
568000	4.43214	3.930831						
569000	4.264381	4.733861						
570000	4.068449	4.524844						
571000	4.609756	4.693956						
572000	4.285833	4.891815						
573000	3.962413	4.778388						
574000	4.179267	4.542495						
575000	4.024168	4.142466						

576000	4.073155	4.246963						
577000	3.52724	4.583116						
578000	4.034066	4.554544						
579000	4.308001	4.575294						
580000	4.106079	4.604978						
581000	3.570298	4.569575						
582000	3.413862	4.591748						
583000	4.548577	4.579539						
584000	4.231542	4.586988						
585000	4.821748	4.552614						
586000	4.281753	4.769092						
587000	3.728423	4.947288						
588000	4.093229	4.574439						
589000	4.630695	4.009381						
590000	4.455729	4.19275						
591000	3.807378	4.777694						
592000	3.930512	4.609847						
593000	4.058336	4.500367						
594000	4.065955	4.534813						
595000	4.069311	4.419843						
596000	3.542254	4.718935						
597000	3.850001	4.592878						
598000	4.035703	4.829751						
599000	4.163867	4.68218						
600000	4.260015	4.488869						
601000	4.408346	4.551104						
602000	3.962902	4.564312						
603000	4.122709	4.88616						
604000	3.987857	4.570186						
605000	4.366437	3.745937						
606000	4.024956	4.404841						
607000	3.740293	4.501443						

608000	4.297067	4.647119						
609000	4.313787	4.427455						
610000	4.119831	4.381408						
611000	4.238607	4.724732						
612000	4.391732	4.485362						
613000	4.434775	4.475615						
614000	4.065741	4.514483						
615000	4.444669	4.604746						
616000	4.175703	4.460832						
617000	4.404238	4.521201						
618000	3.92131	4.878337						
619000	4.053582	4.715571						
620000	3.881435	4.556256						
621000	4.565355	4.501452						
622000	4.112647	4.576216						
623000	4.257027	4.92368						
624000	4.02854	4.296904						
625000	4.59404	4.650881						
626000	4.097384	4.522528						
627000	4.098336	4.86721						
628000	4.199317	4.555094						
629000	3.94957	4.561644						
630000	4.204155	4.025623						
631000	4.20292	4.227881						
632000	4.069484	5.015577						
633000	3.877911	4.484104						
634000	4.109906	4.825746						
635000	4.269191	4.448742						
636000	3.978252	4.47529						
637000	3.875243	4.074422						
638000	4.089321	4.440041						
639000	4.047416	4.795867						

640000	4.124079	4.43497						
641000	3.883133	4.59596						
642000	4.160373	4.872745						
643000	3.851983	4.552761						
644000	4.554092	4.154077						
645000	4.103118	4.549851						
646000	4.334566	4.617829						
647000	4.059839	4.931613						
648000	3.588474	4.791459						
649000	3.388561	4.132623						
650000	3.918194	4.406321						
651000	4.048163	4.413149						
652000	4.01726	4.484018						
653000	4.239659	4.728174						
654000	4.029122	4.423647						
655000	4.629821	4.071877						
656000	4.05536	4.774715						
657000	4.070967	4.864567						
658000	4.20821	4.897438						
659000	3.943378	4.498945						
660000	3.505551	4.451998						
661000	4.286571	4.342428						
662000	4.251368	3.838492						
663000	3.866761	4.626289						
664000	4.253776	4.215916						
665000	3.998612	4.613658						
666000	4.093957	4.360165						
667000	4.101748	4.399848						
668000	4.031049	4.19651						
669000	4.139479	4.942915						
670000	3.846473	4.432289						
671000	3.564782	4.594759						

672000	3.855839	4.396952						
673000	4.555635	4.359464						
674000	4.10666	4.327356						
675000	3.816816	4.487446						
676000	4.005734	4.778596						
677000	3.908263	4.647244						
678000	3.345564	4.459934						
679000	4.162428	4.415022						
680000	4.140595	4.4265						
681000	3.727914	4.6577						
682000	3.944834	4.150999						
683000	3.845584	4.930457						
684000	3.598224	4.18894						
685000	3.98362	4.337808						
686000	4.099471	4.540905						
687000	4.022291	4.063236						
688000	3.912329	4.50384						
689000	3.994712	4.919851						
690000	3.908981	4.559331						
691000	3.539203	4.508946						
692000	3.842853	4.884498						
693000	4.030222	4.670114						
694000	4.243512	4.336178						
695000	3.90167	4.54209						
696000	4.205606	4.472798						
697000	3.866995	4.879701						
698000	3.968242	4.587712						
699000	3.932071	4.263546						
700000	3.640429	4.424796						
701000	4.183246	4.455713						
702000	3.539751	4.102707						
703000	3.762561	4.34078						

704000	4.06844	4.142135					
705000	3.805071	4.439387					
706000	3.967316	4.298037					
707000	3.890143	4.354627					
708000	3.572131	4.395284					
709000	4.011771	4.697302					
710000	3.851898	4.780415					
711000	4.162005	4.455813					
712000	3.896129	4.716219					
713000	4.177847	4.491961					
714000	3.467816	4.833057					
715000	3.86314	4.384021					
716000	4.052932	4.493305					
717000	3.623045	4.433309					
718000	4.523308	4.502593					
719000	3.969095	4.626307					
720000	4.047429	4.491037					
721000	3.98574	3.933561					
722000	3.763654	4.198092					
723000	3.759544	4.677436					
724000	3.799879	4.808038					
725000	3.683361	4.476625					
726000	3.737189	4.800205					
727000	3.486936	4.413476					
728000	3.345921	4.449884					
729000	3.936693	4.458075					
730000	4.012626	4.604317					
731000	4.115919	4.439661					
732000	3.977649	4.594239					
733000	3.870003	4.115463					
734000	3.879226	4.858619					
735000	3.842715	4.470417					

736000	4.021535	4.525285						
737000	3.839839	5.041184						
738000	3.798388	4.282141						
739000	3.663952	4.427884						
740000	3.519732	4.653518						
741000	3.928336	4.550078						
742000	3.900992	4.504101						
743000	3.602612	4.501447						
744000	4.193687	4.416604						
745000	3.831851	4.490189						
746000	3.952473	4.337367						
747000	3.803407	4.044973						
748000	3.833711	4.412201						
749000	3.922753	4.838979						
750000	3.895592	4.887815						
751000	3.87972	4.538307						
752000	3.298602	4.376397						
753000	3.829746	5.072471						
754000	3.922194	4.309189						
755000	3.771063	4.572587						
756000	4.069201	4.57161						
757000	3.413148	4.287372						
758000	4.010695	4.427657						
759000	3.60847	4.461131						
760000	4.049966	4.329959						
761000	3.953582	4.714532						
762000	3.994176	4.664573						
763000	4.15972	4.425012						
764000	3.68673	4.3337						
765000	3.906143	4.329577						
766000	3.876716	4.366217						
767000	3.64244	4.69526						



768000	3.799875	4.49657						
769000	4.042022	4.38708						
770000	3.803761	4.638047						
771000	3.808653	4.180409						
772000	3.499973	4.140656						
773000	4.030842	4.43568						
774000	3.80739	3.823198						
775000	3.94799	4.080677						
776000	3.83952	4.380547						
777000	4.09909	4.632178						
778000	3.990736	4.487586						
779000	3.575902	4.621645						
780000	3.862833	4.739436						
781000	3.591671	4.701489						
782000	3.905376	4.527311						
783000	3.798523	6.762121						
784000	2.899471	3.461343						
785000	4.457097	4.599079						
786000	3.558628	4.572151						
787000	4.206244	4.761467						
788000	3.701627	4.704988						
789000	3.474983	4.827643						
790000	4.109052	5.038345						
791000	3.990741	4.562977						
792000	3.680897	4.607558						
793000	3.797984	3.992463						
794000	3.746115	4.457136						
795000	4.55672	4.336135						
796000	3.999567	4.653963						
797000	3.772489	4.417226						
798000	3.782088	4.339983						
799000	4.006721	4.517709						

800000	4.07787	4.372773					
801000	4.069898	4.589035					
802000	3.656085	4.605534					
803000	3.961528	4.422634					
804000	4.056309	4.449409					
805000	3.73315	3.780008					
806000	3.895574	4.586854					
807000	3.98837	4.478284					
808000	3.688707	4.289679					
809000	3.597898	4.584734					
810000	3.423584	4.443962					
811000	3.682217	3.987725					
812000	3.565529	4.686742					
813000	3.5139	4.363994					
814000	3.941631	4.168802					
815000	3.869249	4.551694					
816000	3.613274	4.175896					
817000	3.840842	4.711972					
818000	3.971181	4.515057					
819000	3.419221	4.453782					
820000	3.840181	4.470514					
821000	3.87307	4.770646					
822000	3.900285	4.352651					
823000	3.865123	4.645798					
824000	3.879238	3.843372					
825000	3.739857	4.466806					
826000	4.15952	4.335811					
827000	4.07997	4.423451					
828000	3.849453	3.781149					
829000	4.036237	4.569907					
830000	3.985846	4.289317					
831000	3.639813	4.417057					

832000	4.12683	4.40297						
833000	3.94324	4.412215						
834000	3.641995	4.35074						
835000	3.920363	4.656083						
836000	3.481624	4.709867						
837000	3.186455	4.418334						
838000	3.791322	4.572731						
839000	3.62745	4.453227						
840000	3.912407	4.404793						
841000	3.849171	4.641072						
842000	3.851715	4.537263						
843000	3.860956	4.155213						
844000	4.025427	4.38965						
845000	3.861466	4.386557						
846000	3.915547	4.418807						
847000	4.065893	4.592007						
848000	3.88083	4.566955						
849000	3.978504	4.376327						
850000	3.396704	4.396634						
851000	3.211732	4.389814						
852000	3.770765	4.940432						
853000	3.568882	4.373749						
854000	3.724871	4.222644						
855000	3.65264	4.487021						
856000	3.436804	4.488897						
857000	3.706976	4.396354						
858000	3.8219	4.380586						
859000	3.914721	4.410432						
860000	3.898877	4.423033						
861000	3.876707	4.416418						
862000	3.698917	4.716378						
863000	3.715669	4.777648						

864000	3.74439	4.429993						
865000	3.912823	4.401404						
866000	4.000851	4.407867						
867000	3.80434	4.597062						
868000	3.926959	4.484453						
869000	4.132892	4.441053						
870000	3.893995	4.537093						
871000	4.076972	4.492927						
872000	3.446149	4.484832						
873000	3.805499	4.505602						
874000	3.872386	4.617693						
875000	3.792128	4.431397						
876000	3.387815	4.264449						
877000	3.958454	3.958786						
878000	3.190499	4.019715						
879000	3.871825	4.629146						
880000	3.655492	4.578527						
881000	3.808846	4.492409						
882000	3.817018	4.351313						
883000	3.849532	4.384924						
884000	4.083288	4.375629						
885000	3.886651	4.357537						
886000	3.921061	4.450664						
887000	4.058974	4.409531						
888000	3.854875	4.472688						
889000	4.01061	4.568765						
890000	3.806297	4.672039						
891000	3.687506	4.472832						
892000	3.50372	4.111623						
893000	3.922031	4.191201						
894000	3.533002	4.217307						
895000	3.69601	4.644635						

896000	3.649718	4.366921						
897000	3.730129	4.326557						
898000	3.748499	4.811805						
899000	3.621483	4.424335						
900000	3.831944	4.455108						
901000	3.898369	4.469259						
902000	3.691	4.305834						
903000	4.048926	4.417008						
904000	3.405516	4.301797						
905000	3.396896	4.459543						
906000	3.840818	4.415037						
907000	3.758682	4.441338						
908000	4.033329	4.444372						
909000	3.911517	4.47329						
910000	3.835241	4.447081						
911000	3.767007	4.580482						
912000	3.744646	4.534532						
913000	3.501755	4.372672						
914000	4.033108	4.286312						
915000	3.742182	4.464957						
916000	4.050332	4.318866						
917000	3.471401	4.241342						
918000	3.198586	4.212138						
919000	4.01734	4.179651						
920000	3.616283	4.612953						
921000	3.86226	4.542092						
922000	4.03016	4.380286						
923000	3.792396	4.627987						
924000	3.601626	4.545195						
925000	3.764116	4.130429						
926000	3.88324	4.430806						
927000	3.576492	4.379024						

928000	3.919026	4.531288						
929000	3.612497	4.674981						
930000	3.769041	4.325525						
931000	3.859337	4.310856						
932000	4.008713	4.337301						
933000	3.978093	4.351986						
934000	3.775706	4.48599						
935000	3.528962	4.337606						
936000	3.786663	3.998779						
937000	3.793174	4.653183						
938000	3.613999	4.77124						
939000	3.546747	4.585167						
940000	3.541671	4.508921						
941000	3.641404	4.62969						
942000	3.644931	3.865431						
943000	3.700772	4.519138						
944000	3.710654	4.328132						
945000	3.28125	4.432039						
946000	3.799819	4.485326						
947000	4.01946	4.437246						
948000	3.833724	4.272433						
949000	3.860425	4.579337						
950000	3.691586	4.429406						
951000	3.828322	4.232148						
952000	4.084004	4.41138						
953000	3.924636	4.436702						
954000	3.68924	4.636238						
955000	3.594564	4.434274						
956000	4.10174	4.287929						
957000	3.89873	4.564965						
958000	3.822245	4.385504						
959000	3.756296	4.296228						

960000	3.822962	4.399943						
961000	3.76026	4.075043						
962000	3.826312	4.478946						
963000	3.802244	4.775372						
964000	3.801129	4.782975						
965000	3.670828	4.558688						
966000	3.882233	4.629169						
967000	3.686821	4.533632						
968000	3.923165	4.480657						
969000	3.855185	3.795986						
970000	3.783152	4.544887						
971000	4.004502	4.578559						
972000	3.365867	4.444949						
973000	3.857698	4.44388						
974000	4.048304	4.399337						
975000	3.778045	4.568577						
976000	3.755691	4.712114						
977000	3.763601	4.514319						
978000	3.659174	3.770346						
979000	3.705794	4.459899						
980000	3.526692	4.588499						
981000	3.618713	4.10757						
982000	3.5947	4.569247						
983000	3.581588	4.643713						
984000	3.345834	4.468667						
985000	3.660462	4.182627						
986000	3.78662	4.400395						
987000	3.706994	4.398692						
988000	3.475282	4.827196						
989000	3.77618	4.541215						
990000	3.853614	4.454011						
991000	3.813453	4.087499						

992000	3.677961	4.545975						
993000	3.829895	4.431237						
994000	3.771379	4.077458						
995000	3.602101	4.754269						
996000	3.703622	4.448753						
997000	3.839836	4.608247						
998000	4.007347	4.583426						
999000	3.901739	4.500635						
1000000	3.831334	4.273963						
1001000	3.708651	4.572471						
1002000	3.80562	4.614621						
1003000	3.601158	4.465453						
1004000	3.714716	4.377432						
1005000	3.879162	4.459219						
1006000	3.733923	4.56723						
1007000	3.76427	4.228334						
1008000	3.758991	4.531255						
1009000	3.759657	4.633781						
1010000	3.475963	4.419033						
1011000	3.811395	4.165897						
1012000	3.862542	4.063384						
1013000	3.757585	4.447365						
1014000	3.786169	4.73901						
1015000	3.790266	3.951524						
1016000	3.873395	4.630791						
1017000	3.674067	4.243454						
1018000	3.857727	3.801026						
1019000	4.034611	4.486441						
1020000	3.779463	4.544792						
1021000	3.660727	4.380602						
1022000	3.709937	4.490356						
1023000	3.57837	4.619295						



1024000	3.277063	4.353747						
1025000	3.881754	4.476226						
1026000	3.986504	4.599986						
1027000	3.535151	4.478437						
1028000	3.649429	4.304629						
1029000	3.472741	4.523015						
1030000	3.673819	4.514942						
1031000	3.681684	4.639051						
1032000	3.741643	4.629947						
1033000	3.394401	4.52054						
1034000	3.689562	4.412673						
1035000	3.918714	4.492209						
1036000	3.681261	4.390684						
1037000	3.900602	4.13366						
1038000	3.772469	4.088593						
1039000	3.664658	4.661005						
1040000	3.897706	4.420009						
1041000	3.967195	4.4268						
1042000	3.273452	4.686957						
1043000	3.727532	4.290357						
1044000	3.990724	4.463038						
1045000	3.904014	4.569638						
1046000	3.471964	4.245828						
1047000	3.623353	4.456043						
1048000	3.438464	4.420374						
1049000	3.762999	4.472279						
1050000	3.700056	4.549451						
1051000	3.564285	4.503686						
1052000	3.611557	4.669881						
1053000	3.832958	4.097601						
1054000	3.706712	4.042911						
1055000	3.975606	4.398407						

1056000	3.984944	4.457238						
1057000	3.806011	4.53947						
1058000	3.767753	4.352601						
1059000	4.039346	4.528082						
1060000	3.865872	4.396294						
1061000	3.702752	4.525473						
1062000	3.213596	4.53039						
1063000	3.72148	4.464931						
1064000	3.883263	4.410609						
1065000	3.595585	4.298611						
1066000	3.700164	4.433209						
1067000	3.597892	4.431902						
1068000	3.609961	4.325596						
1069000	3.550629	4.323534						
1070000	3.409786	4.487703						
1071000	3.587082	4.431372						
1072000	3.474842	4.709283						
1073000	3.5276	4.515772						
1074000	3.758424	4.492379						
1075000	3.872639	4.471328						
1076000	3.789645	4.601905						
1077000	3.840927	4.400983						
1078000	3.769959	4.475922						
1079000	3.753813	4.125858						
1080000	3.704446	4.15944						
1081000	3.755446	4.547576						
1082000	3.754154	4.598553						
1083000	3.921312	4.576346						
1084000	3.895179	4.474733						
1085000	3.77095	4.490584						
1086000	3.138096	4.452873						
1087000	3.876209	4.530824						

1088000	3.847782	4.46311						
1089000	3.78081	4.120207						
1090000	3.940812	4.405698						
1091000	3.531843	4.498861						
1092000	3.668037	4.15692						
1093000	3.276856	4.430387						
1094000	3.732847	3.758048						
1095000	3.765793	4.508337						
1096000	3.86401	4.620008						
1097000	3.636924	4.504981						
1098000	3.651081	4.371194						
1099000	3.714135	4.371608						
1100000	3.777532	4.560549						
1101000	3.528125	4.487792						
1102000	3.829283	4.749782						
1103000	3.591607	4.458842						
1104000	3.869686	4.472864						
1105000	3.944186	4.486041						
1106000	3.741735	4.462079						
1107000	3.616186	4.367213						
1108000	3.323936	4.578219						
1109000	3.633813	4.541229						
1110000	3.557542	3.89001						
1111000	3.780298	4.382325						
1112000	3.626729	4.317737						
1113000	3.629804	4.351737						
1114000	3.732997	4.436165						
1115000	3.676585	4.440111						
1116000	3.607944	4.65213						
1117000	3.780603	4.654021						
1118000	3.689159	3.986738						
1119000	3.856762	4.50037						

1120000	3.874565	4.496047						
1121000	3.7274	4.615473						
1122000	3.243055	4.472421						
1123000	3.860799	4.559038						
1124000	3.365405	4.266131						
1125000	3.834574	4.557594						
1126000	3.62076	4.332754						
1127000	3.731707	4.496229						
1128000	3.444595	4.246378						
1129000	3.705481	4.445936						
1130000	3.504406	4.306318						
1131000	3.629659	4.410036						
1132000	3.370162	4.341745						
1133000	3.745751	4.377874						
1134000	3.540776	4.488564						
1135000	3.71179	4.215085						
1136000	3.761623	4.459162						
1137000	3.649881	4.481279						
1138000	4.050277	4.436089						
1139000	3.909736	4.578775						
1140000	3.62359	4.602188						
1141000	3.735497	4.702617						
1142000	3.830132	4.413812						
1143000	3.84449	4.589452						
1144000	3.888696	4.43061						
1145000	3.786679	4.667814						
1146000	3.782764	4.375511						
1147000	3.437437	4.66805						
1148000	3.702749	4.017143						
1149000	3.739235	4.464615						
1150000	3.687422	4.28731						
1151000	3.599132	4.543888						

1152000	3.106311	3.873664						
1153000	3.404464	4.506919						
1154000	3.600964	4.230924						
1155000	3.087251	4.482414						
1156000	3.729195	4.303178						
1157000	3.549815	4.701258						
1158000	3.682413	4.38532						
1159000	3.708863	3.993265						
1160000	3.819637	4.314457						
1161000	3.691962	4.507172						
1162000	3.839651	4.470553						
1163000	3.61611	4.629612						
1164000	3.723678	4.426757						
1165000	3.63891	4.46324						
1166000	3.293566	3.939791						
1167000	3.518981	4.487592						
1168000	3.768077	4.073507						
1169000	3.779855	4.650338						
1170000	3.805344	3.740092						
1171000	3.823687	4.524703						
1172000	3.840897	3.91725						
1173000	3.674846	4.561467						
1174000	3.751546	4.237873						
1175000	3.506672	4.447648						
1176000	3.782841	4.283857						
1177000	3.743388	4.544315						
1178000	3.497614	4.034264						
1179000	3.71804	4.580063						
1180000	3.945647	4.253201						
1181000	3.508575	4.565142						
1182000	3.822639	4.456917						
1183000	3.688552	4.179169						

1184000	3.586998	3.90964						
1185000	3.677753	4.525359						
1186000	4.02697	4.4184						
1187000	3.541292	4.468155						
1188000	3.882256	4.410181						
1189000	3.846286	4.514018						
1190000	3.794144	4.43793						
1191000	3.737901	4.424337						
1192000	3.499795	4.333221						
1193000	3.479388	4.639699						
1194000	3.643379	4.428323						
1195000	3.56914	4.119807						
1196000	3.512771	4.452661						
1197000	3.320719	4.359646						
1198000	3.776118	4.550164						
1199000	3.699214	4.49982						
1200000	3.261518	4.482865						
1201000	3.647246	4.44264						
1202000	2.978964	4.318043						
1203000	3.919399	4.5229						
1204000	3.509941	4.451099						
1205000	3.620173	4.469858						
1206000	3.578644	4.401191						
1207000	3.72859	4.790246						
1208000	3.696268	4.352692						
1209000	3.248615	4.710383						
1210000	3.721874	4.552544						
1211000	3.282465	4.475504						
1212000	3.812577	4.006194						
1213000	3.785198	4.666854						
1214000	3.219741	4.610984						
1215000	3.667944	4.11532						

1216000	3.624537	4.398379						
1217000	3.724511	4.471062						
1218000	3.607589	4.698688						
1219000	3.764969	4.135058						
1220000	3.706542	4.189778						
1221000	3.824967	4.523423						
1222000	3.470388	4.241432						
1223000	3.37548	4.436997						
1224000	3.789576	4.507632						
1225000	3.754531	4.46757						
1226000	3.828505	4.261582						
1227000	3.780404	4.239583						
1228000	3.771964	4.601155						
1229000	3.722517	4.556188						
1230000	3.395519	4.644277						
1231000	3.768797	4.403397						
1232000	3.821561	4.667693						
1233000	3.664736	4.480943						
1234000	3.730577	4.108896						
1235000	3.543987	4.268881						
1236000	3.718547	4.490828						
1237000	3.393689	4.467138						
1238000	3.634105	4.495781						
1239000	3.626026	4.536064						
1240000	3.493982	4.397296						
1241000	3.635386	4.593231						
1242000	3.075928	3.859359						
1243000	3.751332	4.655424						
1244000	3.771275	4.471137						
1245000	3.510896	4.687105						
1246000	3.570122	4.590234						
1247000	3.726715	4.26996						

1248000	3.642527	4.500502						
1249000	3.823998	4.4942						
1250000	3.615758	4.298609						
1251000	3.786738	4.570666						
1252000	3.453785	4.476879						
1253000	3.726337	4.695197						
1254000	3.752021	4.381734						
1255000	3.288546	4.512788						
1256000	3.909094	4.540833						
1257000	3.693798	4.483512						
1258000	3.852431	4.491859						
1259000	3.545718	4.631361						
1260000	3.615794	4.168942						
1261000	3.614301	4.59781						
1262000	3.774715	4.467749						
1263000	3.592319	4.646884						
1264000	3.893379	4.408583						
1265000	3.760491	4.084766						
1266000	3.535558	4.445457						
1267000	3.718159	4.351691						
1268000	3.18894	4.25683						
1269000	3.859847	4.725678						
1270000	3.336126	4.42596						
1271000	3.659901	4.585964						
1272000	3.656615	4.444563						
1273000	3.595798	4.358409						
1274000	3.776171	4.182704						
1275000	3.840223	4.370263						
1276000	3.415704	3.997244						
1277000	3.641929	4.469099						
1278000	3.569754	4.356954						
1279000	3.38195	4.436008						



1280000	3.468148	4.694382						
1281000	3.301767	4.485078						
1282000	3.723261	4.595253						
1283000	3.543147	4.472008						
1284000	3.553155	4.196264						
1285000	3.608686	3.978431						
1286000	3.571903	4.460335						
1287000	3.6015	4.738749						
1288000	3.820281	4.444508						
1289000	3.742825	4.557279						
1290000	3.357522	4.424652						
1291000	3.78787	4.604591						
1292000	3.801029	4.267448						
1293000	3.559803	4.521201						
1294000	3.676797	4.261093						
1295000	3.711927	4.00791						
1296000	3.321738	4.447076						
1297000	3.94373	3.995447						
1298000	3.734983	4.469866						
1299000	3.575349	4.402785						
1300000	3.703702	4.200312						
1301000	3.518026	4.358923						
1302000	3.622921	4.511879						
1303000	3.588722	4.20614						
1304000	3.659714	4.244146						
1305000	3.437883	4.123067						
1306000	3.738679	4.457399						
1307000	3.718136	4.364694						
1308000	3.738309	4.450895						
1309000	3.706525	4.418194						
1310000	3.413242	4.475327						
1311000	3.842598	4.671515						

1312000	3.668179	4.550396						
1313000	3.854115	4.403672						
1314000	3.855239	4.554587						
1315000	3.807393	4.406384						
1316000	3.884549	4.386438						
1317000	4.032687	4.469291						
1318000	3.717014	4.544994						
1319000	3.570979	4.477187						
1320000	3.650815	4.59064						
1321000	3.516098	4.697853						
1322000	3.705434	4.349815						
1323000	3.510214	4.60488						
1324000	3.491381	4.025856						
1325000	3.295824	4.389501						
1326000	3.12657	4.430296						
1327000	3.483559	4.729102						
1328000	3.802409	4.494537						
1329000	3.856759	4.426467						
1330000	3.861658	4.176076						
1331000	3.901854	4.453571						
1332000	3.842148	4.197194						
1333000	3.61917	4.313088						
1334000	3.182358	4.155406						
1335000	3.678296	4.018699						
1336000	3.785891	4.52623						
1337000	3.653012	4.552178						
1338000	3.612653	4.395441						
1339000	3.775945	4.75678						
1340000	3.807855	4.485614						
1341000	3.747204	3.832699						
1342000	3.417635	4.609689						
1343000	3.7185	4.335963						

1344000	3.546029	4.448519						
1345000	3.140638	4.419136						
1346000	3.70032	4.617857						
1347000	3.688489	4.635143						
1348000	3.760355	4.355555						
1349000	3.767637	4.434528						
1350000	3.731709	4.111993						
1351000	3.664973	4.504157						
1352000	3.521761	4.57515						
1353000	3.75275	4.513402						
1354000	3.623975	4.421071						
1355000	3.85896	4.546493						
1356000	3.619599	4.276734						
1357000	3.862795	4.450734						
1358000	3.457149	4.505062						
1359000	3.700499	4.602251						
1360000	3.688915	4.648622						
1361000	3.65378	4.458491						
1362000	3.742075	4.401368						
1363000	3.358124	4.243922						
1364000	3.481086	4.160698						
1365000	3.657263	4.597475						
1366000	3.608096	4.490315						
1367000	3.654778	4.331706						
1368000	3.551778	4.467579						
1369000	3.624321	4.315587						
1370000	3.553072	4.579494						
1371000	3.568399	4.6588						
1372000	3.470521	4.542974						
1373000	3.658777	4.606348						
1374000	3.455092	4.326372						
1375000	3.580958	4.3675						

1376000	3.169112	4.448377						
1377000	3.744691	4.535702						
1378000	3.73217	4.423028						
1379000	3.723347	4.203236						
1380000	3.881013	4.380061						
1381000	3.769341	4.446996						
1382000	3.918799	4.579585						
1383000	3.70062	4.565393						
1384000	3.779342	3.943013						
1385000	3.769888	4.60115						
1386000	3.798089	4.44402						
1387000	3.660897	4.49105						
1388000	3.520858	4.515794						
1389000	3.560112	4.089913						
1390000	3.643215	4.572277						
1391000	3.699415	4.581599						
1392000	3.716886	4.484604						
1393000	3.279052	4.592188						
1394000	3.578517	4.516745						
1395000	3.699211	4.631948						
1396000	3.772433	4.09147						
1397000	3.815893	4.582286						
1398000	3.587893	4.500385						
1399000	3.765791	4.721633						
1400000	3.691367	4.278808						
1401000	3.872648	4.21435						
1402000	3.690053	4.50803						
1403000	3.36231	4.142011						
1404000	3.729622	4.609373						
1405000	3.463594	4.642622						
1406000	3.574218	4.350338						
1407000	3.323739	4.604482						

1408000	3.06624	4.442803						
1409000	3.578617	4.706162						
1410000	3.517913	4.459918						
1411000	3.689309	4.382741						
1412000	3.475792	4.579059						
1413000	3.287808	4.437562						
1414000	3.548691	4.58844						
1415000	3.511296	4.622368						
1416000	3.789955	4.428726						
1417000	3.518812	4.332718						
1418000	3.293004	4.282745						
1419000	3.429496	5.02062						
1420000	3.594818	4.569035						
1421000	3.499304	4.455245						
1422000	3.430942	4.466766						
1423000	3.596065	4.59134						
1424000	3.567716	6.583848						
1425000	3.999307	4.6256						
1426000	3.751665	4.306307						
1427000	3.756268	4.699196						
1428000	3.677327	4.485624						
1429000	3.714804	4.352927						
1430000	3.790008	4.509433						
1431000	3.696252	4.48328						
1432000	3.758728	4.406445						
1433000	3.73845	4.486873						
1434000	3.679168	4.295421						
1435000	3.756774	4.449066						
1436000	3.734732	4.484035						
1437000	3.779725	4.436624						
1438000	3.90241	4.447237						
1439000	3.459794	4.554875						

1440000	3.526579	4.526856						
1441000	3.705785	4.519054						
1442000	3.924604	4.386155						
1443000	3.62493	4.545739						
1444000	3.766464	4.470551						
1445000	3.558096	4.321788						
1446000	3.825207	4.343145						
1447000	3.808435	4.351214						
1448000	3.673355	4.546758						
1449000	3.175497	4.585703						
1450000	3.676922	4.376493						
1451000	3.601442	4.583949						
1452000	3.433599	4.132581						
1453000	3.203644	4.175216						
1454000	3.314832	4.155109						
1455000	3.603799	4.405832						
1456000	3.522441	4.407859						
1457000	3.50081	4.571089						
1458000	3.623735	4.404884						
1459000	3.665786	4.484388						
1460000	3.229819	4.412671						
1461000	3.541166	4.651141						
1462000	3.451034	4.475379						
1463000	3.810348	4.424245						
1464000	3.438489	4.674842						
1465000	3.724472	4.468323						
1466000	3.841721	4.388467						
1467000	3.708352	4.337989						
1468000	3.673647	4.346283						
1469000	3.728532	4.427543						
1470000	3.713926	4.465544						
1471000	3.626736	4.475886						

1472000	3.693645	4.719443						
1473000	3.227813	4.449026						
1474000	3.773955	4.419422						
1475000	3.848324	4.482866						
1476000	3.250471	4.480181						
1477000	3.53191	4.422942						
1478000	3.710377	4.469137						
1479000	3.862354	4.419579						
1480000	3.735256	4.505018						
1481000	3.774561	4.501939						
1482000	3.778491	4.445949						
1483000	3.828267	4.408129						
1484000	3.505003	4.466267						
1485000	3.539661	4.179413						
1486000	3.568339	4.419964						
1487000	3.75982	4.425426						
1488000	3.575085	4.650509						
1489000	3.702217	4.629803						
1490000	3.641238	4.378451						
1491000	3.601278	4.567048						
1492000	3.421051	4.634753						
1493000	3.630311	4.466925						
1494000	3.336165	4.69044						
1495000	3.391361	4.569053						
1496000	3.17937	3.737441						
1497000	3.524516	4.265207						
1498000	3.419402	4.510343						
1499000	3.652905	4.673144						
1500000	3.611205	4.582267						
1501000	3.804974	4.428031						
1502000	3.654776	4.475398						
1503000	3.529731	4.588045						

1504000	3.711522	4.439418						
1505000	3.742864	4.631678						
1506000	3.612118	4.236278						
1507000	3.743752	4.289132						
1508000	3.727837	4.202234						
1509000	3.375899	4.471952						
1510000	3.632048	4.339019						
1511000	3.686946	4.664218						
1512000	3.821623	4.35013						
1513000	3.580394	4.685418						
1514000	3.671341	4.532617						
1515000	3.657381	4.565417						
1516000	3.402955	4.56154						
1517000	3.573966	4.617628						
1518000	3.84238	4.515215						
1519000	3.69578	4.565512						
1520000	3.758035	3.982499						
1521000	3.815639	4.473366						
1522000	3.605603	4.693754						
1523000	3.661273	4.487818						
1524000	3.745731	4.589614						
1525000	3.729886	4.572219						
1526000	3.349565	4.397994						
1527000	3.525658	4.116592						
1528000	3.703485	4.303918						
1529000	3.774983	4.534706						
1530000	3.781885	4.6469						
1531000	3.49017	4.551584						
1532000	3.715226	4.541409						
1533000	3.546032	5.479039						
1534000	3.576711	4.285892						
1535000	3.854765	4.073577						



1536000	3.348083	4.422043						
1537000	3.79975	4.583979						
1538000	3.610079	4.298126						
1539000	3.447729	4.445156						
1540000	3.627494	4.154317						
1541000	3.608255	4.64819						
1542000	2.949972	4.337711						
1543000	3.594348	4.501132						
1544000	3.644045	4.60406						
1545000	3.269524	4.514658						
1546000	3.657669	4.29602						
1547000	3.305247	4.287988						
1548000	3.388598	4.549344						
1549000	3.755756	4.119537						
1550000	3.584043	4.572437						
1551000	3.52285	4.533376						
1552000	3.469537	4.027929						
1553000	3.802549	4.526832						
1554000	3.281346	4.083623						
1555000	3.7698	4.43557						
1556000	3.690601	4.58166						
1557000	3.233148	4.548512						
1558000	3.414593	4.124651						
1559000	3.565218	4.621853						
1560000	3.42525	4.581793						
1561000	3.593591	3.900835						
1562000	3.616129	4.615055						
1563000	3.43713	4.310488						
1564000	3.380392	4.303571						
1565000	3.651243	4.657055						
1566000	3.375625	4.40738						
1567000	3.778378	4.296476						

1568000	3.817021	4.387667						
1569000	3.14597	4.585674						
1570000	3.897129	4.465281						
1571000	3.630228	4.355463						
1572000	3.694374	4.097889						
1573000	3.923319	4.065718						
1574000	3.486996	4.714874						
1575000	3.563894	4.432901						
1576000	3.676259	4.328974						
1577000	3.684297	4.607046						
1578000	3.523269	4.438575						
1579000	3.468443	4.39185						
1580000	3.643945	4.453514						
1581000	3.318736	4.050857						
1582000	3.214651	4.495134						
1583000	3.576171	4.390489						
1584000	3.547958	4.535874						
1585000	3.565324	4.536746						
1586000	3.65794	4.628687						
1587000	3.127863	4.650264						
1588000	3.688439	4.380974						
1589000	3.764386	4.54005						
1590000	3.598242	4.436895						
1591000	3.702436	4.565164						
1592000	3.668876	4.777432						
1593000	3.570015	4.622412						
1594000	3.777077	4.201315						
1595000	3.650624	4.720481						
1596000	3.765688	4.538692						
1597000	3.777651	4.509175						
1598000	3.790159	4.256917						
1599000	3.587902	4.553366						

1600000	3.355939	4.144208						
1601000	3.654427	4.221711						
1602000	3.673479	4.443451						
1603000	3.421892	4.573372						
1604000	3.658951	4.548194						
1605000	3.631552	4.271448						
1606000	3.561419	4.600059						
1607000	3.676022	4.515836						
1608000	3.676714	4.601603						
1609000	3.221978	4.532402						
1610000	3.729762	4.318827						
1611000	3.582821	4.614358						
1612000	3.604128	4.621618						
1613000	3.759277	4.404815						
1614000	3.649412	4.600175						
1615000	3.693266	4.630644						
1616000	3.517836	4.293197						
1617000	3.79542	4.34962						
1618000	3.631609	4.390413						
1619000	3.179898	4.116766						
1620000	3.587918	4.563415						
1621000	3.55608	4.529681						
1622000	3.469599	4.405917						
1623000	3.596767	4.184865						
1624000	3.536123	4.489658						
1625000	3.568539	4.407028						
1626000	5.343494	4.662447						
1627000	3.784536	4.184614						
1628000	3.67244	4.582457						
1629000	3.727259	4.823863						
1630000	3.762435	4.332955						
1631000	3.616489	4.428873						

1632000	3.391491	4.579911						
1633000	3.566975	4.522582						
1634000	3.638828	4.505482						
1635000	3.56397	4.566106						
1636000	3.852574	4.419638						
1637000	3.607148	4.571385						
1638000	3.674923	4.568467						
1639000	3.725021	4.543639						
1640000	3.831026	4.004233						
1641000	3.714595	4.634534						
1642000	3.572372	4.514356						
1643000	3.72109	4.470427						
1644000	3.355945	4.392062						
1645000	3.592767	4.562114						
1646000	3.809391	4.462178						
1647000	3.384366	4.346259						
1648000	3.626224	4.559617						
1649000	3.449133	4.399869						
1650000	3.557655	3.80262						
1651000	3.629542	4.6034						
1652000	3.649412	4.439144						
1653000	3.431647	4.429394						
1654000	3.841361	4.664104						
1655000	3.662527	4.565603						
1656000	3.811902	4.255982						
1657000	3.629357	4.699458						
1658000	3.713944	4.59409						
1659000	3.540555	4.426278						
1660000	3.685851	4.290659						
1661000	3.586315	4.522532						
1662000	3.455588	4.097772						
1663000	3.35816	4.573858						

1664000	3.431146	4.604605						
1665000	3.449129	4.295726						
1666000	3.566384	4.30517						
1667000	3.700333	4.359614						
1668000	3.630026	4.5495						
1669000	3.330024	4.488692						
1670000	3.574968	4.446998						
1671000	3.667776	4.710119						
1672000	3.353058	4.223001						
1673000	3.666918	4.55609						
1674000	3.729844	4.085954						
1675000	3.683492	4.512077						
1676000	3.747474	4.490257						
1677000	3.744548	4.451664						
1678000	3.49345	4.65724						
1679000	3.425573	4.278664						
1680000	3.633601	4.448392						
1681000	3.846158	4.444346						
1682000	3.75206	4.268252						
1683000	3.836582	4.477801						
1684000	3.732224	4.516333						
1685000	3.640849	4.637942						
1686000	3.435355	4.328733						
1687000	3.518652	4.405783						
1688000	3.769717	4.421134						
1689000	3.725568	4.219683						
1690000	3.530834	4.576532						
1691000	3.748025	4.427763						
1692000	3.76623	4.732148						
1693000	3.611055	4.316721						
1694000	3.511732	4.45664						
1695000	3.420312	4.543871						

1696000	3.719841	4.597331						
1697000	3.603834	4.360686						
1698000	3.893734	4.371094						
1699000	3.964605	5.750548						
1700000	3.724232	4.913896						
1701000	3.706878	4.423659						
1702000	3.897977	5.308465						
1703000	3.775306	4.558423						
1704000	3.887333	4.420504						
1705000	3.661401	4.632939						
1706000	3.663321	4.507493						
1707000	3.640287	4.569389						
1708000	3.675651	4.676304						
1709000	3.303227	4.488928						
1710000	3.517511	4.173763						
1711000	3.771501	4.309928						
1712000	3.347622	4.350571						
1713000	3.769206	4.501055						
1714000	3.578666	4.50892						
1715000	3.552257	4.402923						
1716000	3.723999	4.284113						
1717000	3.740289	4.629075						
1718000	3.55591	4.486824						
1719000	3.42152	4.506657						
1720000	3.756825	4.554188						
1721000	3.691341	4.62233						
1722000	3.492509	4.556331						
1723000	3.691496	4.530303						
1724000	3.822732	4.561745						
1725000	3.751185	4.513655						
1726000	3.673383	4.275266						
1727000	3.627757	4.331397						

1728000	3.604424	4.501573						
1729000	3.550732	4.624316						
1730000	3.669205	4.334573						
1731000	3.64912	3.770732						
1732000	3.57998	4.466227						
1733000	3.654927	4.626552						
1734000	3.743836	4.46593						
1735000	3.48715	4.319626						
1736000	3.500785	4.751799						
1737000	3.628499	4.624077						
1738000	3.783514	4.275912						
1739000	3.575941	4.252057						
1740000	3.830802	4.427985						
1741000	3.5648	4.597816						
1742000	3.71397	4.439026						
1743000	3.903569	4.473991						
1744000	3.485906	4.609419						
1745000	3.458018	4.570798						
1746000	3.400514	4.448195						
1747000	3.550499	4.356606						
1748000	3.428579	4.39601						
1749000	3.335429	4.625942						
1750000	3.501823	4.56114						
1751000	3.545165	4.347016						
1752000	3.564495	4.488874						
1753000	3.562593	4.420975						
1754000	3.383193	4.29854						
1755000	3.686436	4.590928						
1756000	3.659839	4.355239						
1757000	3.563152	4.378255						
1758000	3.477771	4.394093						
1759000	3.575426	4.488958						

1760000	3.673142	4.740753						
1761000	3.70795	4.483664						
1762000	3.807829	4.423947						
1763000	3.421102	4.11265						
1764000	3.650817	4.637172						
1765000	3.644279	4.625592						
1766000	3.959372	4.301605						
1767000	3.743282	4.237044						
1768000	3.479039	4.633232						
1769000	3.622273	4.217059						
1770000	3.802419	4.423612						
1771000	3.630289	3.757465						
1772000	3.595457	4.653106						
1773000	3.59682	4.228292						
1774000	3.874438	4.455565						
1775000	3.754108	4.317672						
1776000	3.64557	4.342956						
1777000	3.575986	4.410982						
1778000	3.42586	4.180567						
1779000	3.890797	4.469382						
1780000	3.64845	4.465814						
1781000	3.678448	4.523027						
1782000	3.939597	4.37795						
1783000	3.649675	4.146828						
1784000	3.588416	4.715723						
1785000	3.621003	4.602718						
1786000	3.505129	4.46205						
1787000	3.693534	4.462172						
1788000	3.580817	4.6417						
1789000	3.268506	4.302425						
1790000	3.311514	4.441962						
1791000	3.510374	4.437412						



1792000	3.500391	4.180051						
1793000	3.551007	4.192401						
1794000	3.578942	4.62867						
1795000	3.539704	4.182308						
1796000	3.601781	4.347285						
1797000	3.5712	4.527371						
1798000	3.632569	4.463594						
1799000	3.436619	4.610812						
1800000	3.542454	4.422181						
1801000	3.553634	4.311683						
1802000	3.510929	4.583043						
1803000	3.509258	4.624311						
1804000	3.64651	4.436153						
1805000	3.694195	4.256163						
1806000	3.701915	4.394722						
1807000	3.401869	4.346839						
1808000	3.759693	4.579646						
1809000	3.632183	4.39622						
1810000	3.80336	4.565235						
1811000	3.652272	4.658424						
1812000	3.445766	4.347979						
1813000	3.450944	4.485743						
1814000	3.385344	4.296032						
1815000	3.637619	4.727357						
1816000	3.676479	4.499327						
1817000	3.652568	4.428067						
1818000	3.640037	4.501723						
1819000	3.70802	4.577988						
1820000	3.674205	4.461714						
1821000	3.272153	4.6215						
1822000	3.60487	4.63436						
1823000	3.786412	4.499894						

1824000	3.76233	4.690652						
1825000	3.686688	4.645216						
1826000	3.84705	4.370754						
1827000	3.597575	4.139976						
1828000	3.779393	4.643289						
1829000	3.680174	4.749306						
1830000	3.001823	4.499795						
1831000	3.586301	4.457788						
1832000	3.541693	4.240243						
1833000	3.453105	4.464198						
1834000	3.509474	4.328347						
1835000	3.428738	4.443662						
1836000	3.472072	4.422599						
1837000	3.608733	4.740448						
1838000	3.546646	4.550243						
1839000	3.654417	4.529474						
1840000	3.675917	4.547293						
1841000	3.679044	4.426017						
1842000	3.704359	4.509334						
1843000	3.423067	4.276833						
1844000	3.266867	4.495716						
1845000	3.708406	4.370563						
1846000	3.779974	4.413281						
1847000	3.460272	4.474903						
1848000	3.670851	4.562728						
1849000	3.19183	4.513397						
1850000	3.693128	4.436832						
1851000	3.671769	4.034903						
1852000	3.603052	4.278419						
1853000	3.501642	4.609216						
1854000	3.581383	4.644185						
1855000	3.68429	4.385461						

1856000	3.730633	4.465511						
1857000	3.547758	4.595839						
1858000	3.579562	4.492146						
1859000	3.712522	4.367801						
1860000	3.514553	4.389447						
1861000	3.384473	4.692799						
1862000	3.644152	4.283492						
1863000	3.546576	4.478577						
1864000	3.61115	4.443892						
1865000	3.718433	4.044439						
1866000	3.658958	4.5794						
1867000	3.662976	4.647157						
1868000	2.915731	4.541928						
1869000	3.794988	4.396096						
1870000	3.649357	4.190358						
1871000	3.722851	4.506651						
1872000	3.761682	4.603764						
1873000	3.354028	4.443461						
1874000	3.432997	4.329834						
1875000	3.584251	3.986641						
1876000	3.508411	4.720761						
1877000	3.474622	4.575482						
1878000	3.394372	4.318177						
1879000	3.545184	4.463946						
1880000	3.528883	4.371964						
1881000	3.297981	4.352086						
1882000	3.456776	4.272921						
1883000	3.408145	4.612457						
1884000	3.653249	4.513437						
1885000	3.270949	4.345706						
1886000	3.815635	4.270317						
1887000	3.58745	4.714305						

1888000	3.685961	4.511107						
1889000	3.761929	4.594698						
1890000	3.707561	4.500745						
1891000	3.699612	4.687943						
1892000	3.61529	4.631413						
1893000	3.509283	4.465532						
1894000	3.66884	4.2348						
1895000	3.723377	4.449866						
1896000	3.549527	4.689736						
1897000	3.584958	4.582805						
1898000	3.678351	4.600192						
1899000	3.382369	4.622348						
1900000	3.588562	4.507559						
1901000	3.706076	4.214151						
1902000	3.598588	4.37012						
1903000	3.616265	4.344716						
1904000	3.361882	4.400668						
1905000	3.812965	4.466496						
1906000	3.760343	4.409857						
1907000	3.529601	4.48255						
1908000	3.460501	4.350019						
1909000	3.582575	4.283871						
1910000	3.778401	4.406489						
1911000	3.812254	4.491168						
1912000	3.869558	4.758696						
1913000	3.62831	4.695709						
1914000	3.69744	4.556904						
1915000	3.703616	4.587053						
1916000	3.63227	4.415762						
1917000	3.59182	4.224226						
1918000	3.478486	4.422858						
1919000	3.374521	4.648598						

1920000	3.295536	4.459318						
1921000	3.560063	4.490327						
1922000	3.672472	4.450517						
1923000	3.576013	4.439603						
1924000	3.164135	4.42678						
1925000	3.49894	4.388395						
1926000	3.310923	4.398091						
1927000	3.396139	4.411794						
1928000	3.525591	3.76466						
1929000	3.654543	4.32839						
1930000	3.416786	4.535818						
1931000	3.55609	4.48892						
1932000	3.858711	4.423981						
1933000	3.506421	4.62018						
1934000	3.727899	4.528642						
1935000	3.659328	4.426512						
1936000	3.757557	4.531141						
1937000	3.509662	4.615057						
1938000	3.610174	4.461194						
1939000	3.678913	4.49865						
1940000	3.686752	4.553722						
1941000	3.618617	4.724491						
1942000	3.626216	4.340577						
1943000	3.358087	4.633989						
1944000	3.727789	4.301439						
1945000	3.757009	4.551017						
1946000	3.652492	4.731426						
1947000	3.587776	4.718969						
1948000	3.681683	4.527015						
1949000	3.598701	4.615668						
1950000	3.653262	4.4413						
1951000	3.875194	4.411229						

1952000	3.578241	4.54803						
1953000	3.653066	4.500044						
1954000	3.779384	4.507575						
1955000	3.492878	4.546315						
1956000	3.682613	4.461806						
1957000	3.843816	4.409924						
1958000	3.772974	4.623046						
1959000	3.554623	4.548661						
1960000	3.359213	4.503427						
1961000	3.223814	4.608268						
1962000	3.52397	4.509004						
1963000	3.428723	4.423697						
1964000	3.600996	4.575406						
1965000	3.59354	4.209659						
1966000	3.520462	4.614414						
1967000	3.291436	4.458727						
1968000	3.762419	4.520678						
1969000	3.72819	4.412718						
1970000	3.730889	4.497487						
1971000	3.616718	4.525746						
1972000	3.657785	4.433649						
1973000	3.326049	4.505766						
1974000	3.756084	4.53938						
1975000	3.749608	4.474059						
1976000	3.725968	4.452954						
1977000	3.660515	4.449672						
1978000	3.680786	4.542424						
1979000	3.649291	4.607168						
1980000	3.859276	4.510037						
1981000	3.643399	4.471357						
1982000	3.747719	4.515989						
1983000	3.692991	4.510403						

1984000	3.510375	4.632646						
1985000	3.60018	4.380102						
1986000	3.365981	4.551011						
1987000	3.68801	4.548783						
1988000	3.745818	4.495032						
1989000	3.733364	4.399743						
1990000	3.588558	4.387122						
1991000	3.695235	4.550514						
1992000	3.57541	4.564385						
1993000	3.768582	4.515145						
1994000	3.649054	4.466434						
1995000	3.829039	4.22045						
1996000	3.799542	4.566808						
1997000	3.508135	4.534369						
1998000	3.693861	4.465104						
1999000	3.52121	4.658998						
2000000	3.854243	4.543607						
2001000	3.6643	4.458089						
2002000	3.400254	4.286457						
2003000	3.459308	4.550762						
2004000	3.598111	4.722667						
2005000	3.435477	4.656257						
2006000	3.287441	4.664476						
2007000	3.329299	4.568775						
2008000	3.632229	4.34668						
2009000	3.673503	4.022523						
2010000	3.471864	4.19205						
2011000	3.3614	4.327781						
2012000	3.398631	4.515371						
2013000	2.918802	4.568413						
2014000	3.656315	4.504415						
2015000	3.679928	4.383224						

2016000	3.688418	4.217289						
2017000	3.590341	4.520579						
2018000	3.640644	5.014101						
2019000	4.156341	4.760032						
2020000	4.033385	4.682007						
2021000	4.103822	4.661157						
2022000	4.04053	4.518652						
2023000	4.107024	4.495779						
2024000	3.928227	4.621516						
2025000	3.860703	4.549605						
2026000	3.780159	4.486749						
2027000	3.674761	4.598468						
2028000	3.676181	4.390814						
2029000	3.548567	4.555996						
2030000	3.751396	4.529544						
2031000	3.622007	4.426662						
2032000	3.61849	4.391133						
2033000	3.716769	4.508774						
2034000	3.822119	4.414						
2035000	3.649401	4.865547						
2036000	3.622536	4.441197						
2037000	3.594417	4.396112						
2038000	3.751345	3.986013						
2039000	3.585043	4.513007						
2040000	3.531656	4.21225						
2041000	3.678418	4.72022						
2042000	3.877916	4.671698						
2043000	3.652749	4.340214						
2044000	3.36744	4.480853						
2045000	3.124045	4.279118						
2046000	3.536073	4.344648						
2047000	3.486088	4.634478						



2048000	3.490169	4.133334					
2049000	3.393886	4.694865					
2050000	3.605036	4.476008					
2051000	3.435539	4.126344					
2052000	3.163392	4.225039					
2053000	3.587748	4.452646					
2054000	3.490972	4.446591					
2055000	3.753596	4.427645					
2056000	3.753339	4.077739					
2057000	3.718306	4.394928					
2058000	3.665934	4.478845					
2059000	3.629524	4.600334					
2060000	3.552242	4.632875					
2061000	3.613938	4.264784					
2062000	3.162189	4.406209					
2063000	3.629533	4.528472					
2064000	3.778052	4.4391					
2065000	3.787098	4.542695					
2066000	3.77796	4.307123					
2067000	3.665741	4.541525					
2068000	3.615125	4.309117					
2069000	3.392347	4.491654					
2070000	3.707939	4.616927					
2071000	3.388408	4.292209					
2072000	3.549488	4.305419					
2073000	3.734749	4.449167					
2074000	3.730224	4.483874					
2075000	3.629787	4.652554					
2076000	3.7129	4.577435					
2077000	3.458116	4.641909					
2078000	3.888045	4.522498					
2079000	3.278738	4.449867					

2080000	3.674619	4.259628						
2081000	3.430417	4.294997						
2082000	3.790418	4.502351						
2083000	3.647237	4.600909						
2084000	3.629003	4.682012						
2085000	3.72723	4.62537						
2086000	3.470198	4.190594						
2087000	3.705702	4.439672						
2088000	3.509985	4.243291						
2089000	3.420172	4.527833						
2090000	3.448524	4.21983						
2091000	3.514489	4.523244						
2092000	3.528443	4.495234						
2093000	3.508319	4.461589						
2094000	3.411002	4.424441						
2095000	3.291732	4.674747						
2096000	3.063578	4.537514						
2097000	3.492864	4.479986						
2098000	3.432542	4.434768						
2099000	3.736342	4.506754						
2100000	3.718782	4.426269						
2101000	3.682751	4.381004						
2102000	3.652188	4.370449						
2103000	3.599034	4.670634						
2104000	3.655673	4.294686						
2105000	3.243155	4.390322						
2106000	3.726724	4.540048						
2107000	3.492731	4.544272						
2108000	3.827973	4.447817						
2109000	3.548398	4.361341						
2110000	3.681542	4.77439						
2111000	3.605512	4.536306						

2112000	3.49715	4.368417						
2113000	3.389848	4.639653						
2114000	3.641213	4.515372						
2115000	3.453542	4.664696						
2116000	3.769938	4.59803						
2117000	3.611953	4.609339						
2118000	3.584587	4.290227						
2119000	3.735509	4.569039						
2120000	3.734072	4.381785						
2121000	3.781652	4.644435						
2122000	3.619256	4.471802						
2123000	3.730613	4.727827						
2124000	3.684492	4.264643						
2125000	3.479317	4.549534						
2126000	3.565019	4.294514						
2127000	3.769719	4.613922						
2128000	3.800701	4.50088						
2129000	3.895052	4.443665						
2130000	3.611509	4.080344						
2131000	2.909488	4.50015						
2132000	2.797543	4.933095						
2133000	2.838869	5.006886						
2134000	2.670003	4.730351						
2135000	2.735905	4.920041						
2136000	2.725987	4.886525						
2137000	2.587826	4.934808						
2138000	2.821318	4.878021						
2139000	2.840522	4.821624						
2140000	2.785167	4.916563						
2141000	2.853429	4.749323						
2142000	2.821763	4.685616						
2143000	2.703643	4.635568						

2144000	2.851279	5.268408						
2145000	2.880718	4.701301						
2146000	2.734716	5.167331						
2147000	2.740956	4.738382						
2148000	2.790487	5.005724						
2149000	2.678444	4.978412						
2150000	2.783584	5.042103						
2151000	2.868889	4.830357						
2152000	2.7684	4.720296						
2153000	2.744579	4.853589						
2154000	2.853701	4.970872						
2155000	2.804799	4.692235						
2156000	2.812116	5.213975						
2157000	2.667065	4.838909						
2158000	2.74675	5.107804						
2159000	2.727577	5.063134						
2160000	2.808659	5.097296						
2161000	2.675522	5.262913						
2162000	2.592477	4.705504						
2163000	2.796379	4.899343						
2164000	2.723041	4.991908						
2165000	2.732052	4.851555						
2166000	2.726107	4.969373						
2167000	2.615789	4.597536						
2168000	2.53964	4.791809						
2169000	2.698666	4.934572						
2170000	2.631395	4.970464						
2171000	2.715329	4.985376						
2172000	2.534294	5.174231						
2173000	2.544474	4.888896						
2174000	2.322668	4.93975						
2175000	2.531285	4.818653						

2176000	2.657534	4.995427						
2177000	2.59718	4.754756						
2178000	2.400434	4.946887						
2179000	2.741468	4.930511						
2180000	2.635811	4.901876						
2181000	2.653929	4.725363						
2182000	2.595171	4.785096						
2183000	2.662452	4.992674						
2184000	2.604114	4.950065						
2185000	2.66776	5.177658						
2186000	2.599345	5.055748						
2187000	2.55438	4.943065						
2188000	2.4842	4.97569						
2189000	2.613704	5.002174						
2190000	2.628315	4.820627						
2191000	2.714514	4.732088						
2192000	2.599828	4.86175						
2193000	2.646947	4.884372						
2194000	2.868846	4.730465						
2195000	2.618285	4.731706						
2196000	2.566377	4.966169						
2197000	2.569504	5.06683						
2198000	2.64303	5.053939						
2199000	2.567116	5.190116						
2200000	2.533717	4.903861						
2201000	2.480171	4.840331						
2202000	2.547979	5.014885						
2203000	2.570594	4.724699						
2204000	2.676023	4.994643						
2205000	2.640715	4.835274						
2206000	2.593998	4.967254						
2207000	2.708796	4.833574						

2208000	2.723672	4.839367						
2209000	2.610065	4.831502						
2210000	2.771303	4.864715						
2211000	2.711134	4.959587						
2212000	2.596224	5.16088						
2213000	2.585894	4.7669						
2214000	2.493993	5.014388						
2215000	2.572126	5.136791						
2216000	2.501375	5.018937						
2217000	2.869272	4.854387						
2218000	2.501023	4.930585						
2219000	2.581342	4.935806						
2220000	2.628175	4.954918						
2221000	2.51293	4.804687						
2222000	2.500287	4.966619						
2223000	2.552026	4.787451						
2224000	2.540041	4.932344						
2225000	2.507766	4.873464						
2226000	2.527485	4.889265						
2227000	2.510222	4.927832						
2228000	2.527547	5.039393						
2229000	2.721973	4.865244						
2230000	2.566625	4.895761						
2231000	2.550953	4.998722						
2232000	2.551121	4.992694						
2233000	2.620198	4.735244						
2234000	2.599211	4.902143						
2235000	2.699784	4.893847						
2236000	2.593545	4.854795						
2237000	2.650495	4.622068						
2238000	2.621693	4.738115						
2239000	2.692604	4.860824						

2240000	2.561105	4.892669						
2241000	2.525185	4.917472						
2242000	2.575187	5.026541						
2243000	2.565203	4.989955						
2244000	2.635309	4.923624						
2245000	2.510609	5.133291						
2246000	2.545856	5.086723						
2247000	2.487621	5.093846						
2248000	2.410446	4.761091						
2249000	2.519183	4.617705						
2250000	2.509698	5.125319						
2251000	2.644092	4.757807						
2252000	2.470816	4.996184						
2253000	2.577945	4.862258						
2254000	2.535323	5.163107						
2255000	2.568055	4.857175						
2256000	2.553972	4.815486						
2257000	2.564522	5.054523						
2258000	2.471847	4.828755						
2259000	2.608224	4.777272						
2260000	2.554041	4.912793						
2261000	2.498551	4.851645						
2262000	2.553848	4.918269						
2263000	2.577473	4.816655						
2264000	2.445813	4.493485						
2265000	2.515413	4.951868						
2266000	2.527429	4.654126						
2267000	2.652498	5.243535						
2268000	2.506129	4.909925						
2269000	2.562891	5.122938						
2270000	2.744001	4.559432						
2271000	2.433727	4.940343						

2272000	2.655975	4.818871						
2273000	2.543584	4.794343						
2274000	2.568068	4.982196						
2275000	2.62022	4.661032						
2276000	2.54397	4.85631						
2277000	2.546909	4.856037						
2278000	2.481182	4.967718						
2279000	2.657419	4.888408						
2280000	2.673762	4.845728						
2281000	2.594766	4.929065						
2282000	2.623919	5.119888						
2283000	2.47352	4.94244						
2284000	3.175291	4.690803						
2285000	2.92165	4.310439						
2286000	2.993204	4.686261						
2287000	2.910783	5.346099						
2288000	2.895975	4.96506						
2289000	2.914539	5.214997						
2290000	3.022969	5.059978						
2291000	2.933619	4.951716						
2292000	2.940793	4.969735						
2293000	2.903463	4.862732						
2294000	2.88546	5.115781						
2295000	2.825182	4.991304						
2296000	2.792475	4.965164						
2297000	2.774139	4.999784						
2298000	2.605164	4.855687						
2299000	2.662085	5.294168						
2300000	2.664292	4.992306						
2301000	2.715774	5.078451						
2302000	2.714727	5.025414						
2303000	2.808795	4.848464						



2304000	2.758801	4.847386						
2305000	2.76592	4.916747						
2306000	2.834716	5.090443						
2307000	2.858554	4.777267						
2308000	2.753904	4.904562						
2309000	2.909396	4.924242						
2310000	2.870055	4.794474						
2311000	3.020319	4.807297						
2312000	2.906161	4.85485						
2313000	2.762759	4.728283						
2314000	2.85347	4.643957						
2315000	3.135472	4.732543						
2316000	2.936872	5.237768						
2317000	2.750572	4.795425						
2318000	2.745821	5.067551						
2319000	2.866977	5.133755						
2320000	2.906386	4.436483						
2321000	2.829764	4.93635						
2322000	2.770997	4.878482						
2323000	2.71867	4.801147						
2324000	2.845975	4.999397						
2325000	2.745158	5.020527						
2326000	2.691897	4.831952						
2327000	2.772221	5.026381						
2328000	2.758561	5.20062						
2329000	2.786685	5.085995						
2330000	2.810886	4.621395						
2331000	2.726943	5.014682						
2332000	2.787894	4.948465						
2333000	2.749905	4.953632						
2334000	2.866725	6.704775						
2335000	2.692272	4.677923						

2336000	2.814681	4.703128						
2337000	2.875367	4.873068						
2338000	2.746852	4.747265						
2339000	2.813791	4.906553						
2340000	2.737217	4.821532						
2341000	2.711117	4.933191						
2342000	2.64481	4.948975						
2343000	2.733489	4.830632						
2344000	2.631189	4.879071						
2345000	2.635417	5.046143						
2346000	2.632999	4.878996						
2347000	2.600257	4.886267						
2348000	2.633552	4.905988						
2349000	2.576602	4.857769						
2350000	2.624196	5.054551						
2351000	2.672786	5.00383						
2352000	2.646571	5.084703						
2353000	2.697185	5.01039						
2354000	2.776503	4.844361						
2355000	2.640773	5.1517						
2356000	2.710628	5.022302						
2357000	2.860193	4.68116						
2358000	2.798329	5.22746						
2359000	2.728795	5.039515						
2360000	2.673241	4.758084						
2361000	2.796911	5.014345						
2362000	2.900905	4.88275						
2363000	2.702262	5.044484						
2364000	2.839451	4.938949						
2365000	2.835746	4.885586						
2366000	2.617966	4.858597						
2367000	2.790219	5.003375						

2368000	2.739835	4.684785						
2369000	2.686779	5.102815						
2370000	2.773095	4.868604						
2371000	2.706168	4.976405						
2372000	2.770817	4.904537						
2373000	2.757256	4.897598						
2374000	2.579777	4.987125						
2375000	2.865277	4.995801						
2376000	2.748617	4.836319						
2377000	2.796411	4.97471						
2378000	3.032175	4.661277						
2379000	2.27052	4.38159						
2380000	2.928284	4.667968						
2381000	2.942929	4.912812						
2382000	2.845699	4.678096						
2383000	2.970174	4.908016						
2384000	2.888159	4.854179						
2385000	2.936366	4.905343						
2386000	2.811445	4.767038						
2387000	2.806863	4.966701						
2388000	2.547866	4.608432						
2389000	2.80619	4.726973						
2390000	2.77151	4.945394						
2391000	2.837751	5.026972						
2392000	2.869774	4.813067						
2393000	2.943838	4.843401						
2394000	2.616499	4.845371						
2395000	2.675868	4.903346						
2396000	2.541661	5.010334						
2397000	2.689908	5.045799						
2398000	2.615705	4.919959						
2399000	2.570875	5.070055						

2400000	2.557604	4.975019						
2401000	2.5397	4.887735						
2402000	2.387806	4.51327						
2403000	2.465373	5.162263						
2404000	2.559724	5.012629						
2405000	2.55571	4.758071						
2406000	2.580299	5.056927						
2407000	2.529455	5.027385						
2408000	2.543162	4.938474						
2409000	2.515847	5.00838						
2410000	2.61765	4.883338						
2411000	2.539417	4.919849						
2412000	2.567231	5.24067						
2413000	2.573072	4.912859						
2414000	2.595045	5.152112						
2415000	2.619703	4.945815						
2416000	2.601555	4.916975						
2417000	2.643119	4.569206						
2418000	2.595587	4.848381						
2419000	2.661716	4.798963						
2420000	2.555108	4.808284						
2421000	2.690187	4.988264						
2422000	2.602831	4.796621						
2423000	2.605253	4.931915						
2424000	2.540053	4.829072						
2425000	2.574343	4.875577						
2426000	2.507408	4.578396						
2427000	2.589373	5.03835						
2428000	2.572324	4.766638						
2429000	2.515846	4.920434						
2430000	2.544636	5.156577						
2431000	2.395004	4.891411						

2432000	2.405243	4.837239						
2433000	2.387768	5.012807						
2434000	2.465688	5.143726						
2435000	2.540763	4.953438						
2436000	2.469219	4.869727						
2437000	2.442084	4.971538						
2438000	2.52416	5.022472						
2439000	2.550799	4.967231						
2440000	2.568255	4.977553						
2441000	2.536427	5.093914						
2442000	2.629071	4.945961						
2443000	2.507686	4.378613						
2444000	2.597857	4.601413						
2445000	2.537938	4.843462						
2446000	2.435377	4.806491						
2447000	2.522026	4.903534						
2448000	2.583042	4.942855						
2449000	2.523909	4.876016						
2450000	2.594737	4.730543						
2451000	2.525825	4.997512						
2452000	2.65727	5.068091						
2453000	2.491036	5.027182						
2454000	2.431483	5.05944						
2455000	2.341888	5.042447						
2456000	2.490841	5.170219						
2457000	2.506739	4.951092						
2458000	2.419582	5.035264						
2459000	2.839675	4.974951						
2460000	2.960469	5.129867						
2461000	2.915038	5.018919						
2462000	2.867877	5.14975						
2463000	2.866167	4.858299						

2464000	2.89801	4.62792						
2465000	2.935345	4.963451						
2466000	2.918508	4.792077						
2467000	2.88605	4.952887						
2468000	2.999276	4.921531						
2469000	3.016608	4.733822						
2470000	2.737215	4.921474						
2471000	2.805317	4.911591						
2472000	2.793448	4.853488						
2473000	2.71736	4.68635						
2474000	2.710343	5.352753						
2475000	2.685975	4.790989						
2476000	2.764215	5.029501						
2477000	2.571992	4.725341						
2478000	2.620865	4.742404						
2479000	2.681948	5.099834						
2480000	2.69775	5.107911						
2481000	2.808825	4.953655						
2482000	2.745775	4.949232						
2483000	2.831838	5.010679						
2484000	2.754839	5.029792						
2485000	2.761221	4.96371						
2486000	2.805607	4.971875						
2487000	2.896508	5.037038						
2488000	2.790814	4.953607						
2489000	2.74038	4.696257						
2490000	2.735399	4.914919						
2491000	2.852418	4.843059						
2492000	2.816675	4.857959						
2493000	2.830751	4.989871						
2494000	2.770053	4.871589						
2495000	2.762603	4.591527						

2496000	2.809975	5.027448						
2497000	2.953859	4.998384						
2498000	2.937223	4.970413						
2499000	2.684479	5.048724						
2500000	2.653702	4.604655						
2501000	2.58763	5.130997						
2502000	2.71836	4.929031						
2503000	2.901299	4.744795						
2504000	3.10983	4.78437						
2505000	2.789404	4.641989						
2506000	2.726277	4.798335						
2507000	2.818928	4.78147						
2508000	2.734565	4.738415						
2509000	2.777572	4.84686						
2510000	2.813066	4.918426						
2511000	2.760088	4.722225						
2512000	2.718997	4.87373						
2513000	2.730997	4.735959						
2514000	2.695175	4.466245						
2515000	2.40424	4.909775						
2516000	2.783582	4.882864						
2517000	2.727457	4.785741						
2518000	2.688481	4.902333						
2519000	2.769005	5.224402						
2520000	2.83078	4.864772						
2521000	2.651007	4.961937						
2522000	2.560466	5.056018						
2523000	2.731516	5.174991						
2524000	2.687183	4.964948						
2525000	2.707043	4.932216						
2526000	2.672328	5.004492						
2527000	2.877729	4.929306						

2528000	2.864931	4.959779						
2529000	2.585134	4.90118						
2530000	2.710447	4.820789						
2531000	2.822773	4.837633						
2532000	2.798463	4.809828						
2533000	2.729631	4.841214						
2534000	2.713777	4.992181						
2535000	2.747475	5.04469						
2536000	2.651868	4.735191						
2537000	2.586257	4.978749						
2538000	2.630472	4.881917						
2539000	2.741097	4.85816						
2540000	2.801094	4.932773						
2541000	2.72752	5.089052						
2542000	2.717202	4.966458						
2543000	2.799997	4.713618						
2544000	2.719173	4.847096						
2545000	2.849714	4.784828						
2546000	2.710877	4.821241						
2547000	2.824691	4.770097						
2548000	2.75917	4.846828						
2549000	2.894577	4.88029						
2550000	2.676324	4.863364						
2551000	2.699707	4.882087						
2552000	2.680301	5.109134						
2553000	2.673283	4.96436						
2554000	2.652645	4.931704						
2555000	2.69742	5.145679						
2556000	2.696561	5.14859						
2557000	2.35338	4.873055						
2558000	2.594281	4.817296						
2559000	2.590564	4.940733						



2560000	2.633107	4.861886						
2561000	2.87044	4.963869						
2562000	2.709018	4.873315						
2563000	2.540488	4.452679						
2564000	2.553613	5.196755						
2565000	2.663485	4.996868						
2566000	2.641865	4.996263						
2567000	2.697946	4.870775						
2568000	2.737941	4.897616						
2569000	2.77606	4.545544						
2570000	2.779008	5.083564						
2571000	2.60563	4.912873						
2572000	2.660847	4.995637						
2573000	2.772568	4.794477						
2574000	2.743666	4.985663						
2575000	2.559747	4.946613						
2576000	2.652937	5.045216						
2577000	2.60085	5.076658						
2578000	2.650639	4.928397						
2579000	2.633606	4.597167						
2580000	2.657673	4.977504						
2581000	2.72537	4.769212						
2582000	2.703241	5.00248						
2583000	2.725569	4.709655						
2584000	2.673084	4.869986						
2585000	2.615627	4.978253						
2586000	2.610981	4.587563						
2587000	2.733774	5.030759						
2588000	2.697435	4.78746						
2589000	2.853855	4.824367						
2590000	2.721426	4.949706						
2591000	2.702008	4.716214						

2592000	2.871797	4.742889						
2593000	2.592043	5.065004						
2594000	2.651363	4.961919						
2595000	2.656464	4.960278						
2596000	2.633989	5.008123						
2597000	2.592047	4.621293						
2598000	2.491296	4.86796						
2599000	2.568899	5.014466						
2600000	2.658536	4.87201						
2601000	2.650355	4.978902						
2602000	2.558397	4.885757						
2603000	2.506441	4.820966						
2604000	2.635308	5.034564						
2605000	2.678284	5.03501						
2606000	2.752909	4.984725						
2607000	2.647389	4.606453						
2608000	2.683668	4.870926						
2609000	2.864235	4.802207						
2610000	2.761444	5.000614						
2611000	2.742845	4.436533						
2612000	2.687166	4.969084						
2613000	2.55319	5.040512						
2614000	2.685296	4.745115						
2615000	2.727401	5.176964						
2616000	2.67456	4.851732						
2617000	2.769072	4.728973						
2618000	2.642275	4.869672						
2619000	2.686055	4.829484						
2620000	2.809682	5.086197						
2621000	2.677069	5.09768						
2622000	2.653126	4.794873						
2623000	2.602898	4.738528						

2624000	2.632566	5.061294						
2625000	2.782162	5.193101						
2626000	2.706545	4.940163						
2627000	2.694654	4.853249						
2628000	2.809105	4.77116						
2629000	2.615648	4.928053						
2630000	2.827374	4.908032						
2631000	2.629181	5.080609						
2632000	2.515277	5.107172						
2633000	2.653542	4.824528						
2634000	3.004143	4.727336						
2635000	3.019655	4.960616						
2636000	3.147083	4.641543						
2637000	3.096162	4.809487						
2638000	3.14987	5.057875						
2639000	3.188049	4.94993						
2640000	3.048572	5.079089						
2641000	3.003357	4.7369						
2642000	3.027942	5.074097						
2643000	3.019764	4.920202						
2644000	3.118649	4.932538						
2645000	3.041139	4.736131						
2646000	3.016099	4.820714						
2647000	3.08545	4.934031						
2648000	3.013714	4.806557						
2649000	3.028927	4.990642						
2650000	2.937726	4.831981						
2651000	2.796604	5.035957						
2652000	3.169511	4.771151						
2653000	3.055907	5.099888						
2654000	3.001989	4.584832						
2655000	3.173493	4.831477						

2656000	2.851956	4.823208						
2657000	2.723292	4.840713						
2658000	3.098192	4.951874						
2659000	2.807093	5.012599						
2660000	2.931635	4.863925						
2661000	2.896896	4.941492						
2662000	2.944916	4.720404						
2663000	2.804642	4.675633						
2664000	3.021844	4.932456						
2665000	2.918511	4.462843						
2666000	2.743688	5.08277						
2667000	2.733515	4.873742						
2668000	2.896677	4.968153						
2669000	2.864473	5.053597						
2670000	2.846131	4.513986						
2671000	3.028923	4.87704						
2672000	2.909251	4.802589						
2673000	2.800016	4.756203						
2674000	2.8791	4.965696						
2675000	2.848702	4.895909						
2676000	2.875993	5.093436						
2677000	2.922027	4.928797						
2678000	2.924219	4.838687						
2679000	2.687703	4.734291						
2680000	2.822805	4.906662						
2681000	2.703868	4.782585						
2682000	2.794894	4.789647						
2683000	2.875153	5.113358						
2684000	2.833106	4.946675						
2685000	2.845893	4.751697						
2686000	2.786884	5.110786						
2687000	2.823512	4.833808						

2688000	2.69857	4.79419						
2689000	2.598528	4.891097						
2690000	2.848577	5.023589						
2691000	2.676365	5.023863						
2692000	2.580025	4.873813						
2693000	2.83209	4.767009						
2694000	2.745383	4.949081						
2695000	2.741761	4.945294						
2696000	2.62636	4.846651						
2697000	2.724369	5.042987						
2698000	2.710649	5.110866						
2699000	2.792696	4.763842						
2700000	2.746811	4.920684						
2701000	2.758038	5.064275						
2702000	2.851545	4.894862						
2703000	2.395299	4.520673						
2704000	2.610766	4.38336						
2705000	2.487924	5.301465						
2706000	2.746041	5.018528						
2707000	2.612598	4.917662						
2708000	2.831539	5.070835						
2709000	2.593645	5.164694						
2710000	2.703247	5.052628						
2711000	2.797323	4.970278						
2712000	2.842183	4.675086						
2713000	2.854693	4.827761						
2714000	2.609278	4.697763						
2715000	2.780943	4.793599						
2716000	2.419115	5.108605						
2717000	2.671882	6.653021						
2718000	2.911614	4.656916						
2719000	2.701048	4.883255						

2720000	2.58394	5.005093						
2721000	2.663404	4.956368						
2722000	2.70006	5.138786						
2723000	2.848814	4.844913						
2724000	2.807715	4.96494						
2725000	2.681984	4.990433						
2726000	2.731735	4.869546						
2727000	2.618207	5.290304						
2728000	2.62523	5.085679						
2729000	2.655271	4.923059						
2730000	2.688864	5.082694						
2731000	2.598215	4.733886						
2732000	2.734996	4.980033						
2733000	2.626364	5.039913						
2734000	2.689329	5.174325						
2735000	2.65972	4.831221						
2736000	2.749997	4.919389						
2737000	2.690355	4.954724						
2738000	2.679514	4.851326						
2739000	2.60385	4.843886						
2740000	2.706404	4.925522						
2741000	2.72948	5.200202						
2742000	2.721176	4.956083						
2743000	2.824417	5.136217						
2744000	2.771296	4.783907						
2745000	2.717396	4.871922						
2746000	2.680331	4.913071						
2747000	2.743553	4.878956						
2748000	2.662143	4.631405						
2749000	2.679417	4.902088						
2750000	2.718179	4.885504						
2751000	2.730492	4.944669						

2752000	2.563395	4.89997						
2753000	2.691311	4.732413						
2754000	2.706869	4.70753						
2755000	2.764908	4.747315						
2756000	2.771963	4.746795						
2757000	2.762005	4.794246						
2758000	2.646961	5.050626						
2759000	2.730154	4.993676						
2760000	2.661207	4.621337						
2761000	2.826031	4.861887						
2762000	2.725177	4.992892						
2763000	2.729216	4.927032						
2764000	2.507115	5.105264						
2765000	2.632827	4.813421						
2766000	2.667624	4.963723						
2767000	2.735816	5.003855						
2768000	2.615657	4.971506						
2769000	2.817154	4.857832						
2770000	2.606721	4.837652						
2771000	2.627022	4.964109						
2772000	2.65026	4.784152						
2773000	2.656171	4.766689						
2774000	2.645921	4.912136						
2775000	2.537588	4.901221						
2776000	2.628044	4.733909						
2777000	2.634241	4.938688						
2778000	2.609803	4.833949						
2779000	2.616693	4.90748						
2780000	2.73631	5.144032						
2781000	2.663769	4.891428						
2782000	2.613715	4.999866						
2783000	2.756536	4.671056						

2784000	2.676632	4.950481						
2785000	2.67739	5.064536						
2786000	2.608004	4.87395						
2787000	2.638706	5.036705						
2788000	2.642959	5.075888						
2789000	2.694468	4.862753						
2790000	2.718944	4.820744						
2791000	2.761395	4.840053						
2792000	2.542644	5.136457						
2793000	2.598903	4.888789						
2794000	2.558128	4.947346						
2795000	2.603292	4.762591						
2796000	2.618375	5.102941						
2797000	2.658038	4.929288						
2798000	2.637907	4.76608						
2799000	2.653433	5.254311						
2800000	2.677941	4.983701						
2801000	2.676491	4.997809						
2802000	2.806434	5.028023						
2803000	2.588448	4.881403						
2804000	2.711557	4.763091						
2805000	2.759452	4.853877						
2806000	2.686294	4.844961						
2807000	2.68853	5.114418						
2808000	2.877899	4.918724						
2809000	2.970674	4.904575						
2810000	2.964239	5.102384						
2811000	2.969951	4.386478						
2812000	2.827925	4.615677						
2813000	3.02335	4.24406						
2814000	2.862196	4.811283						
2815000	2.842778	4.967891						



2816000	2.871336	4.836503						
2817000	2.98007	5.040375						
2818000	3.025902	5.124709						
2819000	2.970528	5.053064						
2820000	2.946082	5.055463						
2821000	2.827149	4.738249						
2822000	2.913223	5.174872						
2823000	2.951093	4.841011						
2824000	2.837833	5.130547						
2825000	2.858036	5.177421						
2826000	2.965013	4.885986						
2827000	2.917275	4.547709						
2828000	3.017316	4.703781						
2829000	2.840528	4.819461						
2830000	2.895762	4.847235						
2831000	2.729406	5.225576						
2832000	2.798812	5.027378						
2833000	3.148707	4.798841						
2834000	2.912954	5.124808						
2835000	3.049311	5.022948						
2836000	2.768409	5.2342						
2837000	2.967679	5.088011						
2838000	2.916519	4.764223						
2839000	3.1434	4.970927						
2840000	2.859517	5.029044						
2841000	2.727961	5.014348						
2842000	2.845656	5.132476						
2843000	3.034648	2.761178						
2844000	2.407092	4.823323						
2845000	2.857643	4.78775						
2846000	2.951746	4.969145						
2847000	3.002931	4.666699						

2848000	2.933924	4.744756						
2849000	2.903013	4.945559						
2850000	2.684684	4.854335						
2851000	2.798632	4.776748						
2852000	2.889118	4.82427						
2853000	2.884401	4.749606						
2854000	2.786581	4.989357						
2855000	2.678402	5.121789						
2856000	2.812483	5.025409						
2857000	2.875783	4.780957						
2858000	2.915701	4.952943						
2859000	2.895091	6.139786						
2860000	3.284616	4.510682						
2861000	2.832471	4.784668						
2862000	2.793823	4.79462						
2863000	2.825216	4.818235						
2864000	2.854532	4.907731						
2865000	2.811731	4.952425						
2866000	2.837375	5.010822						
2867000	2.918814	4.99785						
2868000	2.87628	4.881916						
2869000	2.977948	4.994396						
2870000	2.810626	4.930461						
2871000	2.865618	4.980531						
2872000	2.792588	4.528573						
2873000	2.89642	4.709333						
2874000	2.918287	4.820453						
2875000	2.772327	4.862155						
2876000	2.778879	4.80123						
2877000	2.844118	4.588417						
2878000	2.908041	4.975817						
2879000	2.769006	4.917537						

2880000	2.780985	5.066301						
2881000	2.866192	5.18757						
2882000	2.969828	4.663627						
2883000	2.963439	4.933822						
2884000	2.925116	5.033767						
2885000	2.706584	5.171741						
2886000	2.778106	5.081411						
2887000	2.870148	4.681506						
2888000	3.005195	4.835328						
2889000	2.932917	4.768472						
2890000	2.795427	5.095583						
2891000	2.813202	4.967714						
2892000	2.902687	4.929221						
2893000	2.754702	4.831245						
2894000	2.722776	5.033047						
2895000	2.636865	5.076279						
2896000	2.734855	4.92218						
2897000	2.761093	4.614						
2898000	2.821371	4.806733						
2899000	2.826678	5.255868						
2900000	2.604335	5.011577						
2901000	2.943003	5.151437						
2902000	2.9015	4.824499						
2903000	2.871271	4.995188						
2904000	2.859693	4.974006						
2905000	2.495372	4.957011						
2906000	2.880566	4.604193						
2907000	3.119737	4.874263						
2908000	2.996055	4.845022						
2909000	2.763304	5.139703						
2910000	2.940108	4.94229						
2911000	3.020894	4.934367						

2912000	3.011568	4.963358						
2913000	2.763497	5.090787						
2914000	2.903139	7.932929						
2915000	2.650261	4.580277						
2916000	2.914738	4.566856						
2917000	2.912015	4.761921						
2918000	2.662683	4.828842						
2919000	2.673301	4.662176						
2920000	2.648665	4.842939						
2921000	2.698658	5.075719						
2922000	2.613258	5.100438						
2923000	2.713977	4.89114						
2924000	2.779766	4.831775						
2925000	2.720362	4.793903						
2926000	2.684069	5.087825						
2927000	2.615628	5.085808						
2928000	2.696785	4.910491						
2929000	2.68462	5.004694						
2930000	2.68409	5.032005						
2931000	2.679104	5.091459						
2932000	2.842985	4.669208						
2933000	2.826842	4.870113						
2934000	2.850208	5.039096						
2935000	2.703183	4.873834						
2936000	2.687039	4.731575						
2937000	2.780799	4.866218						
2938000	2.701263	4.872249						
2939000	2.569639	5.127956						
2940000	2.507188	4.889337						
2941000	2.694917	4.844119						
2942000	2.577292	5.1321						
2943000	2.437542	5.126692						

2944000	2.550952	4.745501						
2945000	2.67453	4.743753						
2946000	2.685082	4.700101						
2947000	2.517282	5.231832						
2948000	2.658769	4.983238						
2949000	2.689638	5.101805						
2950000	2.661	5.044259						
2951000	2.530568	5.023092						
2952000	2.581456	4.73313						
2953000	2.77255	5.00505						
2954000	2.732686	5.040903						
2955000	2.613189	4.96388						
2956000	2.799924	4.733898						
2957000	2.769412	4.935957						
2958000	2.770779	5.044362						
2959000	2.629278	5.014138						
2960000	2.728798	4.732804						
2961000	2.721589	4.906639						
2962000	2.686801	5.235794						
2963000	2.674589	5.162017						
2964000	2.701977	4.778214						
2965000	2.745514	4.85564						
2966000	2.563212	4.92365						
2967000	2.642241	4.790724						
2968000	2.668315	4.765873						
2969000	2.686382	4.752586						
2970000	2.492395	5.134071						
2971000	2.637903	5.100278						
2972000	2.769142	4.802949						
2973000	2.714827	4.959835						
2974000	2.665079	4.971874						
2975000	2.68224	5.341974						

2976000	2.642517	5.004258						
2977000	2.630503	4.878278						
2978000	2.524617	5.030576						
2979000	2.618512	5.007204						
2980000	2.6151	4.835832						
2981000	2.684932	5.16911						
2982000	2.553424	4.887671						
2983000	2.910956	4.784341						
2984000	2.966824	4.813225						
2985000	2.887975	5.073854						
2986000	2.778176	4.838915						
2987000	2.958258	5.149975						
2988000	2.979365	5.002522						
2989000	2.992335	5.052826						
2990000	2.857774	5.009583						
2991000	2.943111	4.671883						
2992000	3.031293	4.95041						
2993000	2.951569	4.94428						
2994000	2.769032	4.836571						
2995000	2.809195	4.675053						
2996000	2.872899	4.686376						
2997000	2.93242	4.88619						
2998000	2.812228	4.973504						
2999000	2.897617	5.157408						
3000000	2.959727	4.885785						
3001000	2.978974	4.903196						
3002000	2.912946	4.933748						
3003000	2.95023	4.818054						
3004000	2.914139	4.950349						
3005000	2.907833	5.038607						
3006000	2.876256	5.155556						
3007000	2.819687	4.726325						

3008000	2.87394	4.898267						
3009000	2.931701	4.946597						
3010000	2.808835	4.887471						
3011000	2.917181	4.648863						
3012000	2.784984	4.862759						
3013000	2.765982	5.093849						
3014000	2.859059	4.832866						
3015000	2.886612	4.8663						
3016000	2.875527	4.804413						
3017000	2.810289	4.973249						
3018000	2.809682	4.883345						
3019000	2.916934	4.955726						
3020000	2.771364	5.03897						
3021000	2.757935	4.984999						
3022000	2.865187	4.712485						
3023000	2.902412	4.707874						
3024000	2.687182	5.048558						
3025000	2.745245	5.14384						
3026000	2.844445	4.861407						
3027000	2.80923	4.808212						
3028000	2.755218	4.845964						
3029000	2.807049	4.878143						
3030000	2.884824	4.91213						
3031000	2.901458	4.833387						
3032000	2.706312	4.866488						
3033000	2.886119	4.522397						
3034000	2.787076	4.781547						
3035000	3.225029	3.44248						
3036000	2.732182	4.900425						
3037000	2.902423	4.828475						
3038000	2.812461	4.801822						
3039000	2.816825	4.903069						

3040000	2.750271	4.911689						
3041000	2.851772	4.869203						
3042000	2.913047	4.980118						
3043000	2.981552	4.770677						
3044000	2.83476	4.905597						
3045000	2.868029	4.559281						
3046000	2.916772	4.752577						
3047000	2.873169	4.90258						
3048000	2.841932	4.937609						
3049000	2.924348	4.764831						
3050000	2.812081	4.997137						
3051000	2.76029	5.200204						
3052000	2.797826	5.062469						
3053000	2.942815	4.847959						
3054000	2.872765	5.157196						
3055000	2.805703	4.882044						
3056000	2.840541	4.512611						
3057000	2.86714	5.044924						
3058000	2.629358	4.978557						
3059000	2.819064	5.136733						
3060000	2.85359	4.824974						
3061000	2.915399	5.084111						
3062000	2.691665	4.875937						
3063000	2.85185	4.664386						
3064000	2.884072	4.768922						
3065000	2.789384	4.801749						
3066000	2.762807	4.90572						
3067000	2.902985	4.813069						
3068000	2.946112	4.903169						
3069000	2.677328	5.161764						
3070000	2.628733	4.61299						
3071000	2.714388	4.860659						



3072000	2.700704	4.928968						
3073000	2.792969	4.95418						
3074000	2.719106	4.845419						
3075000	2.807035	4.918059						
3076000	2.717545	4.815241						
3077000	2.849603	4.712436						
3078000	2.831666	4.884374						
3079000	2.74259	4.808137						
3080000	2.799613	4.908484						
3081000	3.078816	4.776019						
3082000	2.891996	5.060402						
3083000	2.763601	4.91734						
3084000	2.827322	4.920128						
3085000	2.827834	5.016078						
3086000	2.830906	4.936526						
3087000	2.818128	5.023194						
3088000	2.820207	4.910682						
3089000	2.88322	5.263056						
3090000	2.697159	4.974637						
3091000	2.771842	4.69985						
3092000	2.750475	4.766688						
3093000	2.398185	4.997944						
3094000	2.744369	4.680511						
3095000	2.883692	5.010786						
3096000	2.757511	5.070139						
3097000	2.83568	4.972972						
3098000	2.798075	4.870207						
3099000	2.783475	4.959756						
3100000	2.681887	5.045665						
3101000	2.853815	4.849898						
3102000	2.823257	4.851631						
3103000	2.673063	5.006114						

3104000	2.791794	4.701893						
3105000	2.828303	4.913119						
3106000	2.634312	5.086897						
3107000	2.746692	4.903098						
3108000	2.864203	4.811627						
3109000	2.832207	5.236843						
3110000	2.700523	4.892273						
3111000	2.781071	4.690815						
3112000	2.725649	4.769067						
3113000	2.606263	4.923125						
3114000	2.652034	4.711378						
3115000	2.792973	4.92925						
3116000	2.49288	4.958544						
3117000	2.725697	4.706482						
3118000	2.787624	4.88551						
3119000	2.654338	4.840397						
3120000	2.689731	4.93213						
3121000	2.862921	4.929486						
3122000	2.808381	5.135278						
3123000	2.69536	4.966414						
3124000	2.747946	4.828706						
3125000	2.795999	4.867942						
3126000	2.697604	4.85975						
3127000	2.91673	4.562147						
3128000	2.745256	4.797847						
3129000	2.728397	4.985616						
3130000	2.798202	4.842594						
3131000	2.811915	5.017912						
3132000	2.653005	5.094287						
3133000	2.744926	4.885602						
3134000	2.796195	4.79849						
3135000	2.697658	4.8783						

3136000	2.712149	5.005829						
3137000	2.869163	4.896306						
3138000	2.864203	5.182344						
3139000	2.712587	5.040542						
3140000	2.813672	4.815042						
3141000	2.722128	4.741244						
3142000	2.77019	4.806403						
3143000	2.870933	4.854349						
3144000	2.900527	4.967064						
3145000	2.721951	5.07166						
3146000	2.7852	4.706918						
3147000	2.746362	4.967136						
3148000	2.779491	4.992463						
3149000	2.80278	4.810014						
3150000	2.885403	4.800468						
3151000	2.712474	5.226316						
3152000	2.683081	4.842101						
3153000	2.73893	4.824059						
3154000	2.623344	5.20914						
3155000	2.702473	4.54192						
3156000	2.720134	4.897147						
3157000	2.659705	4.946982						
3158000	3.050564	4.858649						
3159000	3.109679	4.890321						
3160000	3.197245	5.002237						
3161000	3.044423	5.058301						
3162000	3.169795	4.870053						
3163000	3.146267	4.946375						
3164000	3.170963	5.013087						
3165000	3.332487	4.661949						
3166000	3.247729	4.944875						
3167000	3.089122	4.942768						

3168000	3.284475	4.758722						
3169000	3.15182	5.034084						
3170000	3.052182	4.917769						
3171000	3.160743	4.540032						
3172000	3.122109	4.906889						
3173000	2.84143	4.964086						
3174000	3.088195	4.689273						
3175000	3.185603	4.946191						
3176000	3.010454	5.095296						
3177000	3.067954	4.674427						
3178000	3.110548	4.865205						
3179000	3.113497	4.95635						
3180000	3.154097	5.099117						
3181000	2.997729	4.686682						
3182000	3.007737	5.191419						
3183000	2.895623	4.692697						
3184000	3.320839	5.477508						
3185000	2.801199	4.764648						
3186000	3.138499	4.680636						
3187000	2.918897	4.802461						
3188000	2.915604	4.670977						
3189000	2.898487	4.940106						
3190000	2.777172	4.957926						
3191000	3.021777	4.680249						
3192000	2.976279	5.144598						
3193000	2.941888	5.216272						
3194000	3.143288	4.836188						
3195000	2.758524	4.864477						
3196000	2.906784	4.70002						
3197000	2.904611	5.006256						
3198000	2.658258	4.763657						
3199000	2.82362	4.545584						

3200000	2.951634	4.842521						
1000	3.789018	4.68326						
2000	4.363348	4.760879						
3000	5.205188	4.861106						
4000	4.919388	4.760554						
5000	4.9963	4.85391						
6000	4.954174	4.780028						
7000	5.139728	4.873105						
8000	5.018568	4.813474						
9000	4.914124	4.884774						
10000	6.255364	4.853437						
11000	6.238268	7.44821						
12000	4.16972	6.015982						
13000	4.945212	4.905922						
14000	4.305155	4.822469						
15000	4.748665	6.605497						
16000	6.399202	6.623249						
17000	4.46888	4.906149						
18000	4.422248	5.623953						
19000	4.504414	4.899811						
20000	4.454803	4.838173						
21000	4.370443	4.884042						
22000	4.538579	4.835374						
23000	4.478413	5.254556						
24000	4.56992	4.838758						
25000	4.717034	4.919654						
26000	4.393604	4.824106						
27000	4.693852	4.906743						
28000	4.654673	4.848073						
29000	4.922142	4.8971						
30000	4.705046	4.837495						
31000	4.610711	4.895597						

32000	4.634952	4.843723						
33000	4.727258	4.910538						
34000	4.65861	4.84524						
35000	4.715056	4.912814						
36000	4.603236	4.848102						
37000	4.652688	5.198945						
38000	4.605939	4.844584						
39000	4.592056	4.912673						
40000	4.435843	4.842902						
41000	4.465183	4.905848						
42000	4.669815	4.830681						
43000	4.757917	4.912228						
44000	4.659995	4.844308						
45000	4.840672	4.91144						
46000	4.735974	4.841489						
47000	4.751371	4.911003						
48000	4.769427	4.844931						
49000	5.044011	5.087867						
50000	4.723842	4.845224						
51000	4.840789	5.503358						
52000	4.757517	4.854314						
53000	4.875588	4.916011						
54000	5.015053	6.160427						
55000	4.018225	4.909072						
56000	4.821919	4.851191						
57000	4.881181	4.919017						
58000	4.921749	5.108858						
59000	4.847423	4.915929						
60000	4.811173	4.848872						
61000	4.805632	4.919622						
62000	4.752061	5.132902						
63000	4.77509	5.85005						

64000	4.780093	4.848504						
65000	4.869633	4.971727						
66000	4.836241	4.848156						
67000	4.864019	4.905286						
68000	4.8359	4.844026						
69000	4.8552	4.912147						
70000	5.478838	4.188761						
71000	4.902813	5.039344						
72000	5.452492	4.545347						
73000	4.889666	4.88474						
74000	4.822869	4.84885						
75000	4.869586	4.914579						
76000	4.82882	4.856058						
77000	4.868356	4.919668						
78000	4.781285	4.852915						
79000	4.811434	5.048277						
80000	4.726083	4.85439						
81000	4.350631	4.907622						
82000	4.663336	4.855235						
83000	4.505958	4.974322						
84000	4.893648	4.425281						
85000	4.625976	4.906012						
86000	4.767511	5.187167						
87000	4.75211	4.91786						
88000	4.143546	4.849403						
89000	4.888591	4.919025						
90000	4.765124	4.854475						
91000	4.851547	4.913819						
92000	4.817854	4.859309						
93000	4.821742	5.037987						
94000	4.842669	4.853515						
95000	4.76092	4.911065						

96000	4.619772	5.353101						
97000	4.08619	5.118672						
98000	4.881773	4.843181						
99000	4.948556	4.9109						
100000	4.954034	4.856522						
101000	5.18938	4.223846						
102000	4.885296	4.85876						
103000	4.964744	5.178236						
104000	4.804386	4.855786						
105000	4.786406	4.914399						
106000	4.80622	4.848183						
107000	4.829903	4.955776						
108000	4.874425	4.923159						
109000	4.908071	4.91027						
110000	4.886653	4.85541						
111000	4.933137	4.946463						
112000	4.911061	4.860871						
113000	4.932144	4.960069						
114000	4.558557	4.850511						
115000	4.951812	5.324566						
116000	4.503864	3.813276						
117000	4.960643	5.083654						
118000	4.855667	4.919956						
119000	5.603619	4.912271						
120000	4.830008	4.859281						
121000	4.808317	4.919715						
122000	4.774845	4.861023						
123000	4.805907	4.91502						
124000	4.7561	5.713449						
125000	3.64431	5.599804						
126000	4.438126	4.85888						
127000	4.495934	4.913364						



128000	4.515209	4.903026						
129000	4.756992	4.917132						
130000	4.795574	4.848921						
131000	4.79789	4.936837						
132000	4.814254	4.855833						
133000	4.77671	4.916949						
134000	5.547536	5.069341						
135000	4.870795	4.925111						
136000	4.903508	4.858827						
137000	5.12533	4.917919						
138000	4.751996	5.192905						
139000	4.646422	5.5774						
140000	4.02999	4.850863						
141000	5.507455	4.918996						
142000	5.109171	4.426294						
143000	4.857583	5.804296						
144000	4.871001	4.369947						
145000	4.948151	4.918096						
146000	4.881229	4.851772						
147000	4.850144	4.917108						
148000	4.772108	4.878405						
149000	4.856588	4.915923						
150000	4.436037	4.858244						
151000	5.122231	4.922463						
152000	4.867964	4.856052						
153000	4.957208	4.917336						
154000	4.819873	4.928976						
155000	5.075969	4.674448						
156000	4.649768	4.857564						
157000	5.127677	4.918285						
158000	4.929864	4.853687						
159000	4.930701	4.917177						

160000	4.889426	4.834868						
161000	5.215898	4.913486						
162000	4.878015	4.841769						
163000	4.890609	4.913547						
164000	4.75173	4.473913						
165000	4.797941	4.949017						
166000	4.787381	4.858253						
167000	4.727208	4.168828						
168000	4.608828	4.946411						
169000	3.853789	5.949995						
170000	4.633298	4.517475						
171000	4.725419	4.919004						
172000	4.749089	4.855786						
173000	4.817629	5.761457						
174000	4.833918	5.118806						
175000	4.681918	4.743357						
176000	4.405867	4.651814						
177000	4.774029	4.917211						
178000	4.968854	4.086218						
179000	4.628758	4.949544						
180000	4.866754	4.874737						
181000	4.928034	4.912944						
182000	4.883309	4.853905						
183000	4.692775	4.912328						
184000	4.935477	4.857342						
185000	4.94213	5.334539						
186000	4.894947	5.539503						
187000	4.566831	4.921507						
188000	4.814443	4.855965						
189000	5.197158	4.654915						
190000	4.793607	5.131447						
191000	4.758201	4.910678						

192000	4.872686	4.867428						
193000	4.975946	5.035782						
194000	4.902406	4.856876						
195000	5.542533	4.901713						
196000	4.864641	4.853771						
197000	4.948443	4.916289						
198000	5.086627	4.296978						
199000	5.275641	4.911208						
200000	4.941821	4.853899						
201000	4.927522	4.917472						
202000	5.022395	4.421415						
203000	4.840451	4.881						
204000	4.855648	4.856536						
205000	4.900154	4.911722						
206000	4.816877	4.85936						
207000	4.68765	4.914742						
208000	4.858307	5.293086						
209000	4.56883	4.917348						
210000	4.695032	4.025391						
211000	4.606987	5.430561						
212000	4.528432	4.853986						
213000	4.649028	4.913027						
214000	3.964948	5.762748						
215000	4.699586	4.899595						
216000	4.756546	4.856048						
217000	4.674283	5.495579						
218000	5.16578	4.763448						
219000	4.561824	4.946467						
220000	4.877346	4.856828						
221000	4.91449	4.916881						
222000	4.901581	4.887569						
223000	5.523576	4.424221						

224000	4.866249	4.80759						
225000	4.939346	4.914573						
226000	5.142235	4.819779						
227000	5.008846	4.916447						
228000	5.00335	4.802374						
229000	4.874066	4.522351						
230000	4.776377	4.911279						
231000	4.910284	3.974649						
232000	4.770719	5.18549						
233000	4.836926	4.872559						
234000	4.794631	4.849225						
235000	4.873461	4.911158						
236000	4.88489	4.845502						
237000	5.533341	4.738811						
238000	4.956653	4.639946						
239000	4.903743	4.949763						
240000	4.835526	4.847181						
241000	4.986799	4.915802						
242000	5.128005	4.922879						
243000	4.966844	4.933215						
244000	4.892204	5.24462						
245000	5.409859	4.892083						
246000	4.891283	4.97626						
247000	4.859649	4.644802						
248000	4.69421	4.8421						
249000	4.786887	4.908912						
250000	4.484243	4.392722						
251000	4.6352	4.665883						
252000	4.710745	4.847538						
253000	4.624571	4.890158						
254000	4.104037	4.84457						
255000	4.125348	4.562059						

256000	4.492207	4.841218						
257000	4.347917	4.80999						
258000	4.376841	4.898254						
259000	4.753239	4.869631						
260000	4.769764	4.850816						
261000	4.853103	4.953209						
262000	4.853165	5.173562						
263000	4.112621	4.897859						
264000	4.881785	4.857412						
265000	4.918886	5.036656						
266000	4.872074	4.853747						
267000	5.289662	5.651875						
268000	4.566391	4.81077						
269000	4.831699	4.970939						
270000	4.928508	4.850519						
271000	5.308218	4.607443						
272000	4.786406	4.63197						
273000	4.883055	4.915567						
274000	4.87241	5.093904						
275000	4.084826	4.984958						
276000	4.731289	4.87973						
277000	4.89299	4.811181						
278000	4.692235	4.883359						
279000	4.834296	4.970484						
280000	3.776618	4.851065						
281000	4.80622	4.913284						
282000	4.6697	5.030854						
283000	4.170766	5.130104						
284000	4.797789	4.856262						
285000	5.074241	3.813901						
286000	5.553901	5.103194						
287000	4.656771	4.909882						

288000	4.819089	4.8573						
289000	4.910694	4.553713						
290000	5.322665	4.736712						
291000	4.773872	4.938105						
292000	4.773868	5.097149						
293000	4.681334	4.939963						
294000	4.295687	5.128926						
295000	4.40383	4.874926						
296000	4.558771	4.827143						
297000	4.507405	5.23707						
298000	4.477285	4.852681						
299000	4.675798	4.924236						
300000	4.661838	4.852671						
301000	5.367847	4.781921						
302000	4.748351	4.846076						
303000	4.835939	4.796175						
304000	4.55706	4.86569						
305000	4.754348	4.944328						
306000	4.802373	4.618718						
307000	4.956479	4.912668						
308000	5.024904	4.846322						
309000	5.082699	5.104123						
310000	4.673621	4.846659						
311000	4.954355	4.475803						
312000	4.522641	4.792735						
313000	4.882921	4.84075						
314000	4.888782	4.846501						
315000	5.162527	4.908709						
316000	5.136258	4.829332						
317000	4.713633	4.96						
318000	4.669928	4.86031						
319000	4.623466	5.194967						

320000	3.659626	4.666711						
321000	4.8292	5.260928						
322000	4.727948	4.842546						
323000	4.890432	4.885576						
324000	4.875518	4.844305						
325000	5.328528	4.975392						
326000	5.223229	4.974286						
327000	4.531622	3.834693						
328000	3.60595	4.540228						
329000	4.621335	4.837633						
330000	4.853346	5.130353						
331000	4.846316	4.847138						
332000	4.760731	4.867662						
333000	5.111731	4.850297						
334000	4.852359	4.978482						
335000	5.290892	4.679983						
336000	4.528	4.851392						
337000	4.497621	5.368653						
338000	4.312335	4.838645						
339000	4.534305	5.425529						
340000	4.386729	5.192988						
341000	4.457267	4.936788						
342000	4.653244	5.114382						
343000	4.492779	4.854216						
344000	4.530411	4.826023						
345000	4.78281	4.867669						
346000	4.745169	4.853322						
347000	5.183498	5.032241						
348000	4.646277	5.020407						
349000	4.710182	5.042975						
350000	3.900656	4.64598						
351000	4.634875	4.878212						

352000	4.504729	4.43924						
353000	5.586863	4.976327						
354000	4.795019	4.836317						
355000	4.811422	4.697738						
356000	5.145999	4.78813						
357000	4.939951	4.475093						
358000	4.548399	4.840712						
359000	4.553391	5.112477						
360000	4.680821	4.854521						
361000	4.65456	5.034972						
362000	5.10833	4.72424						
363000	4.756616	4.835992						
364000	5.073022	4.760987						
365000	4.988315	4.818129						
366000	4.040566	4.819238						
367000	4.839324	4.842246						
368000	4.59117	4.846779						
369000	4.946232	4.716093						
370000	5.227484	4.894947						
371000	4.419292	4.733031						
372000	4.681751	4.676932						
373000	4.81371	4.95047						
374000	4.597431	4.385613						
375000	4.792794	4.862545						
376000	4.783479	4.724373						
377000	4.294039	5.433832						
378000	4.431475	4.690339						
379000	4.62763	4.828146						
380000	4.604486	4.766259						
381000	4.181593	5.358537						
382000	4.545776	4.229773						
383000	4.341365	4.861118						



384000	4.767095	4.220966					
385000	4.30158	4.853611					
386000	4.649857	4.692936					
387000	4.69017	4.379416					
388000	4.53538	4.803342					
389000	4.812277	4.494987					
390000	5.127714	4.941932					
391000	3.657802	4.72269					
392000	4.639684	5.149015					
393000	4.548688	4.846616					
394000	4.767912	4.72908					
395000	4.68698	5.528198					
396000	4.506639	4.794117					
397000	5.350846	4.652372					
398000	4.322132	4.734237					
399000	4.717088	4.856251					
400000	4.622706	5.119726					
401000	4.552103	4.892579					
402000	4.369539	4.786816					
403000	4.792178	4.896463					
404000	4.111221	4.809176					
405000	4.509432	5.23815					
406000	3.848384	4.716775					
407000	4.716284	5.01567					
408000	5.02908	5.021407					
409000	4.768231	4.687819					
410000	4.300503	4.559635					
411000	4.608249	4.665206					
412000	4.781311	4.748464					
413000	4.784887	5.452025					
414000	4.153468	4.743131					
415000	4.589408	5.324294					

416000	4.43882	4.79774						
417000	4.442847	4.853691						
418000	4.508605	4.957782						
419000	4.742763	4.800846						
420000	4.89537	4.663624						
421000	4.807522	5.385257						
422000	4.231698	4.689074						
423000	4.498676	5.353771						
424000	3.612311	4.806337						
425000	4.25444	4.95887						
426000	3.72343	4.602179						
427000	3.931992	4.38222						
428000	3.885211	4.683477						
429000	4.502376	4.824687						
430000	4.478	5.081298						
431000	4.105573	4.740152						
432000	4.486267	4.70451						
433000	4.911883	4.577059						
434000	4.569537	4.641103						
435000	4.611259	4.821326						
436000	4.236256	4.829363						
437000	4.950318	4.90012						
438000	4.950853	4.634478						
439000	4.224725	4.768841						
440000	4.776054	4.668018						
441000	5.038391	4.856332						
442000	4.652285	4.809501						
443000	4.388727	4.844164						
444000	5.0168	4.891184						
445000	4.297039	4.772187						
446000	4.465627	4.623621						
447000	4.662302	4.727192						

448000	4.52257	4.515236					
449000	4.628748	5.209342					
450000	4.013631	4.510032					
451000	4.573855	4.799082					
452000	4.359245	4.723749					
453000	4.691233	4.787006					
454000	4.543746	4.850445					
455000	4.526455	4.680519					
456000	4.33	5.079849					
457000	4.496823	4.777448					
458000	3.774514	4.716643					
459000	4.477295	4.728135					
460000	4.482207	5.146591					
461000	4.398626	4.624816					
462000	4.515082	4.670442					
463000	4.803724	4.739998					
464000	4.48686	5.155057					
465000	4.369669	4.823678					
466000	4.455559	4.507305					
467000	4.237842	4.707449					
468000	3.753626	4.776227					
469000	4.373433	4.807886					
470000	3.611417	4.703458					
471000	4.716247	3.715338					
472000	3.486298	3.990845					
473000	3.865481	4.59465					
474000	4.134495	4.525839					
475000	3.963609	4.918761					
476000	4.572888	4.491574					
477000	4.12931	5.369535					
478000	4.087217	4.513933					
479000	4.365218	4.318493					

480000	4.348672	4.592735						
481000	4.558199	4.607313						
482000	4.253115	5.248904						
483000	3.73192	4.581636						
484000	4.576419	4.733288						
485000	4.224724	4.722238						
486000	4.982814	4.620424						
487000	4.262218	4.730785						
488000	4.118301	4.823981						
489000	3.99348	4.8843						
490000	4.033022	4.656438						
491000	4.019228	3.886248						
492000	4.279014	4.708089						
493000	4.48958	4.713254						
494000	4.48069	4.740448						
495000	3.88078	4.736225						
496000	4.984524	4.402396						
497000	4.268744	4.660511						
498000	4.463252	4.675607						
499000	4.77636	4.900481						
500000	4.291245	4.729924						
501000	5.201753	4.773607						
502000	4.310246	4.435749						
503000	4.702757	4.649033						
504000	4.491301	4.78251						
505000	4.862243	4.176524						
506000	3.284838	4.57533						
507000	4.406827	4.728889						
508000	4.364569	4.691717						
509000	4.538641	4.548202						
510000	4.135991	4.96946						
511000	3.989079	4.663865						

512000	4.240383	4.637963						
513000	4.588098	4.698493						
514000	3.582792	4.729265						
515000	4.584713	3.87608						
516000	4.125477	4.909547						
517000	4.161672	4.616299						
518000	4.321077	4.756225						
519000	4.414601	4.665514						
520000	4.628396	4.424857						
521000	4.45901	4.579993						
522000	4.414554	4.722303						
523000	4.682763	4.759115						
524000	4.243802	4.88479						
525000	3.945278	4.416033						
526000	4.3321	4.686891						
527000	4.613187	4.779275						
528000	4.576728	4.447071						
529000	3.683409	4.052772						
530000	4.207781	4.600612						
531000	3.85919	4.653717						
532000	4.288873	4.838082						
533000	4.201792	4.829975						
534000	4.36942	4.622138						
535000	4.167027	4.76613						
536000	4.31947	4.918629						
537000	4.256194	4.615927						
538000	4.245461	5.247098						
539000	4.015903	4.656263						
540000	4.24507	4.850149						
541000	4.343526	4.684824						
542000	3.430464	4.496893						
543000	4.501201	4.449767						

544000	4.537799	4.570627						
545000	4.330298	4.743263						
546000	4.639745	4.377433						
547000	4.466105	4.936402						
548000	4.046973	4.633802						
549000	4.124162	4.896966						
550000	4.108031	4.690543						
551000	3.829417	4.890332						
552000	4.313534	4.474425						
553000	3.972511	4.769319						
554000	3.969892	4.640316						
555000	4.381096	4.058789						
556000	4.240281	4.219614						
557000	4.130393	4.444802						
558000	4.489235	4.48844						
559000	4.223556	4.782005						
560000	4.135589	4.74803						
561000	3.347108	4.522507						
562000	4.228797	4.516036						
563000	3.704868	3.542784						
564000	4.201455	5.00193						
565000	3.753636	4.462526						
566000	4.136758	4.223786						
567000	4.233682	4.862119						
568000	4.55748	4.83788						
569000	4.201011	4.655622						
570000	4.089052	4.633715						
571000	4.307537	4.852237						
572000	4.177889	4.783777						
573000	3.311438	4.110726						
574000	3.85766	4.666524						
575000	4.005511	4.65855						

576000	4.400911	4.721634						
577000	4.004169	4.66507						
578000	3.900233	4.820504						
579000	3.927658	4.731398						
580000	4.220485	3.822083						
581000	4.091517	4.631749						
582000	3.935183	4.605224						
583000	4.316289	4.797322						
584000	3.769769	4.69782						
585000	4.087978	4.869739						
586000	4.416809	3.599497						
587000	4.22207	4.933062						
588000	4.190081	4.647214						
589000	4.488168	4.546467						
590000	4.283169	4.507962						
591000	3.889471	4.114226						
592000	4.108759	4.513471						
593000	4.210252	4.454725						
594000	4.434985	4.30574						
595000	3.900173	4.451205						
596000	4.161994	4.161899						
597000	4.077099	4.74181						
598000	4.139933	3.917953						
599000	4.007812	4.347889						
600000	4.173173	4.424514						
601000	3.873577	4.460955						
602000	4.309941	3.993855						
603000	4.015954	4.817119						
604000	4.074588	4.604796						
605000	4.206336	4.52142						
606000	4.492964	4.403502						
607000	4.090535	4.649281						

608000	3.643659	4.582471						
609000	4.157096	3.957601						
610000	4.157494	4.271125						
611000	4.276542	4.614434						
612000	4.147839	4.598735						
613000	3.658298	4.731662						
614000	4.14836	3.780186						
615000	4.028682	4.645753						
616000	4.374323	4.567779						
617000	4.088684	4.721333						
618000	4.177567	4.356526						
619000	4.07229	4.119314						
620000	4.145414	4.409988						
621000	4.361987	4.4838						
622000	4.342251	4.41606						
623000	4.039685	4.573411						
624000	4.200783	3.827397						
625000	4.194746	4.519261						
626000	3.821062	4.450047						
627000	4.019202	4.724089						
628000	4.041245	4.657468						
629000	3.785511	4.607647						
630000	4.03471	4.55219						
631000	3.965445	4.478694						
632000	4.149174	4.813337						
633000	4.579305	4.103412						
634000	3.555094	4.367523						
635000	4.178603	4.556845						
636000	3.342837	4.522407						
637000	4.001739	4.527045						
638000	3.78769	4.700435						
639000	3.82184	4.664398						



640000	4.038758	4.057926						
641000	3.990685	4.426729						
642000	3.851774	4.696521						
643000	3.933668	4.538283						
644000	4.100872	4.454584						
645000	4.519408	4.468767						
646000	3.876338	4.797092						
647000	4.0142	4.333017						
648000	4.102738	4.675949						
649000	3.464454	4.461871						
650000	3.954688	4.519663						
651000	4.132229	3.994362						
652000	3.824342	4.476499						
653000	3.974583	4.47838						
654000	4.146111	4.715954						
655000	4.16129	4.564301						
656000	3.838471	4.399954						
657000	3.972583	4.649945						
658000	4.086706	4.718951						
659000	3.900676	4.471862						
660000	3.857167	4.469322						
661000	4.036726	4.564105						
662000	4.145739	4.583065						
663000	4.037288	5.021943						
664000	3.921131	4.263085						
665000	4.278184	4.443493						
666000	4.169364	4.530631						
667000	3.932028	4.522336						
668000	3.939201	4.466724						
669000	3.907912	4.811888						
670000	3.654929	4.606828						
671000	3.8084	4.4434						

672000	4.296983	4.461305						
673000	3.999015	4.205587						
674000	4.451909	4.081239						
675000	3.959668	4.802272						
676000	4.012147	4.38513						
677000	4.124744	4.203329						
678000	3.748481	4.426287						
679000	3.85876	4.553808						
680000	4.128327	4.605351						
681000	3.804914	4.616538						
682000	3.758501	4.708992						
683000	3.91064	4.438563						
684000	4.036813	4.663637						
685000	4.071059	4.502618						
686000	3.872712	4.416491						
687000	3.922506	4.233653						
688000	3.929352	4.088418						
689000	3.548165	3.892511						
690000	3.838337	4.613692						
691000	4.13359	4.671026						
692000	3.600322	4.373407						
693000	4.28479	4.419056						
694000	4.15965	4.557339						
695000	4.472005	4.65683						
696000	4.001334	4.453073						
697000	4.057829	5.160099						
698000	4.012541	5.043444						
699000	4.116344	4.358127						
700000	4.100195	4.379614						
701000	3.660773	4.088648						
702000	3.250369	4.422978						
703000	4.171239	3.875593						

704000	4.022883	4.433232						
705000	4.223363	3.707009						
706000	3.875321	4.579999						
707000	4.124152	4.881568						
708000	3.894201	5.09609						
709000	3.843441	4.780593						
710000	3.966894	4.403516						
711000	4.130331	5.070284						
712000	2.904384	4.461429						
713000	3.902775	4.825104						
714000	4.190089	4.357141						
715000	4.326935	4.619858						
716000	4.040296	4.40906						
717000	4.215842	4.936043						
718000	3.885861	3.81627						
719000	3.880236	4.96797						
720000	3.954212	4.534118						
721000	3.889322	4.989514						
722000	3.635952	4.813836						
723000	3.708171	4.627966						
724000	3.867832	4.467517						
725000	3.427383	4.910259						
726000	3.717796	4.694859						
727000	4.197259	4.041486						
728000	4.320971	4.3404						
729000	3.96687	3.720787						
730000	3.852006	4.758601						
731000	4.07454	3.710367						
732000	3.837369	4.342475						
733000	4.121923	4.457734						
734000	3.871135	4.893674						
735000	3.916277	4.359658						

736000	4.03582	4.492567						
737000	4.772757	3.814906						
738000	3.669135	4.452368						
739000	4.080746	4.492311						
740000	4.339212	4.606468						
741000	3.109177	4.445202						
742000	4.054046	4.57412						
743000	3.524611	4.390738						
744000	4.502408	4.571189						
745000	3.512616	4.505634						
746000	4.024229	4.129044						
747000	4.109597	4.363749						
748000	4.024908	4.667562						
749000	4.066949	4.671679						
750000	3.938748	3.861304						
751000	3.833185	4.696732						
752000	3.887054	4.760484						
753000	3.992985	4.875388						
754000	3.949399	3.450488						
755000	3.96273	4.9569						
756000	4.005921	4.636957						
757000	3.826036	4.506997						
758000	4.308136	4.115552						
759000	3.515293	4.900388						
760000	3.827202	4.389924						
761000	3.568225	4.40928						
762000	4.556904	4.555757						
763000	3.465069	4.462164						
764000	3.400793	4.366533						
765000	3.436044	4.589382						
766000	2.976705	4.33728						
767000	3.75072	5.579502						

768000	3.768666	4.467623						
769000	3.870579	4.385329						
770000	4.108835	4.256477						
771000	4.090263	4.465077						
772000	4.039212	4.606257						
773000	3.858647	4.636032						
774000	4.209537	4.54013						
775000	4.037715	4.569175						
776000	4.107063	4.261937						
777000	4.024639	4.543316						
778000	4.064805	4.129173						
779000	3.92234	4.47733						
780000	4.003784	4.556357						
781000	3.927005	4.229118						
782000	3.255099	4.475593						
783000	4.103089	4.425604						
784000	3.732987	4.375668						
785000	3.904539	4.593538						
786000	3.962191	4.172604						
787000	3.682836	4.586358						
788000	3.94982	4.454083						
789000	3.715932	3.871741						
790000	3.985935	4.327248						
791000	3.739958	4.499781						
792000	3.736281	4.512937						
793000	4.171441	4.410374						
794000	3.50076	4.533171						
795000	3.771362	4.660113						
796000	3.893392	4.543645						
797000	2.968997	4.616113						
798000	3.888138	4.084722						
799000	4.020032	4.149915						

800000	3.58656	4.337429						
801000	3.961581	4.453978						
802000	3.658327	4.430858						
803000	3.718216	4.60692						
804000	3.969094	4.357444						
805000	3.852229	4.136804						
806000	3.562839	4.422312						
807000	3.850862	4.284982						
808000	3.825218	4.632923						
809000	3.760118	4.539218						
810000	3.724962	4.120237						
811000	3.68083	4.770773						
812000	3.695008	4.540251						
813000	3.569133	4.582044						
814000	3.836212	4.157209						
815000	3.871233	4.449539						
816000	3.704914	4.599037						
817000	3.81342	4.020779						
818000	3.668519	4.644863						
819000	3.848478	4.316519						
820000	3.886263	4.227413						
821000	3.952606	4.217771						
822000	4.026043	4.208953						
823000	4.063296	4.409425						
824000	3.485694	4.362578						
825000	4.203489	4.508702						
826000	3.358776	4.397826						
827000	4.134597	4.324313						
828000	4.047905	4.595096						
829000	3.66352	4.605624						
830000	3.878353	4.388622						
831000	3.637197	4.621827						

832000	3.729059	4.47061						
833000	3.793973	4.429839						
834000	3.927815	4.644976						
835000	3.767984	4.49018						
836000	3.729257	4.346735						
837000	3.456386	4.259362						
838000	3.700009	4.36494						
839000	3.903389	4.347811						
840000	3.959846	4.365035						
841000	4.020024	4.613538						
842000	3.945215	4.333674						
843000	3.607734	4.488518						
844000	3.566505	4.466572						
845000	4.13531	4.545194						
846000	3.554589	4.243784						
847000	3.942312	4.817782						
848000	3.860127	4.69915						
849000	3.966404	4.512958						
850000	3.684663	4.418127						
851000	3.879903	4.346307						
852000	3.720712	4.464368						
853000	3.766546	3.701028						
854000	3.920246	4.379652						
855000	3.672287	4.703985						
856000	3.719425	4.520226						
857000	3.249474	4.377592						
858000	3.812858	4.295569						
859000	3.788691	3.993179						
860000	3.790627	4.333765						
861000	4.017495	4.522837						
862000	3.770716	4.717658						
863000	3.757633	4.517586						

864000	3.782921	3.305432						
865000	3.731981	4.366962						
866000	4.134938	4.301765						
867000	4.385023	4.276342						
868000	3.698164	4.476966						
869000	3.919813	3.945268						
870000	3.987641	3.568826						
871000	3.561947	4.424848						
872000	3.879688	3.855369						
873000	3.882667	4.416047						
874000	3.69837	4.403682						
875000	3.47907	4.940408						
876000	3.544256	4.395847						
877000	3.965807	3.600057						
878000	3.84407	3.621831						
879000	3.859046	3.872564						
880000	3.809589	4.037966						
881000	3.840733	4.648774						
882000	3.924836	4.258755						
883000	3.694954	4.926108						
884000	3.551102	4.282709						
885000	3.968347	4.623272						
886000	3.930173	3.867889						
887000	3.956193	4.309382						
888000	3.819962	3.776715						
889000	4.004955	4.37505						
890000	3.884893	4.542925						
891000	3.962692	4.807426						
892000	3.022412	4.383383						
893000	3.686407	4.901006						
894000	4.006735	4.022896						
895000	3.510632	4.527305						



896000	3.891391	4.656291						
897000	3.397124	4.407937						
898000	3.942752	4.541881						
899000	3.564084	4.794877						
900000	3.561704	3.96215						
901000	3.72812	3.33885						
902000	3.884264	4.305305						
903000	3.899375	4.613021						
904000	3.849595	4.91125						
905000	3.635007	4.197088						
906000	3.507639	5.015717						
907000	3.024358	4.459292						
908000	3.483869	4.494457						
909000	4.184667	4.465112						
910000	3.655699	4.565018						
911000	3.81525	6.161064						
912000	4.510842	5.131998						
913000	4.095863	4.164807						
914000	3.588235	4.556207						
915000	3.819265	4.468729						
916000	3.837962	4.752602						
917000	3.995513	4.665195						
918000	4.110365	4.374627						
919000	3.942603	4.580615						
920000	3.961889	4.487585						
921000	4.139964	4.455996						
922000	3.951565	4.009557						
923000	3.99556	4.586701						
924000	3.919027	4.384595						
925000	3.846716	4.741474						
926000	3.912412	4.414173						
927000	3.950663	4.474287						

928000	4.020312	4.373111						
929000	3.888351	4.516793						
930000	3.829419	4.356411						
931000	3.855806	3.979306						
932000	3.44721	4.347776						
933000	4.029619	4.437092						
934000	3.82091	4.427902						
935000	3.893937	4.573815						
936000	3.660001	4.457036						
937000	3.619095	4.752149						
938000	3.727404	4.572766						
939000	3.651822	4.625804						
940000	3.54031	4.562386						
941000	3.648663	4.25954						
942000	3.791745	4.856025						
943000	3.353212	4.289673						
944000	3.932684	4.433153						
945000	3.71793	4.652045						
946000	3.79333	4.347727						
947000	3.89922	4.572884						
948000	3.910177	4.321395						
949000	3.768325	4.322956						
950000	3.905942	4.059196						
951000	3.772211	4.244589						
952000	3.796419	4.633852						
953000	3.97155	4.448969						
954000	3.811954	4.619901						
955000	3.858753	4.522282						
956000	3.881094	4.572122						
957000	3.876089	4.635711						
958000	3.548962	4.429024						
959000	3.770184	4.340246						

960000	3.594812	4.556427						
961000	3.561828	4.383444						
962000	3.753342	4.26881						
963000	3.73106	4.525363						
964000	3.434159	4.333641						
965000	3.379737	4.301853						
966000	3.855092	4.423101						
967000	3.572194	4.441817						
968000	3.849261	4.373983						
969000	3.733251	4.604276						
970000	3.82256	4.02132						
971000	3.807773	4.415731						
972000	3.963658	4.495802						
973000	3.84477	4.41759						
974000	4.063027	4.400848						
975000	4.020368	4.365198						
976000	3.83942	4.483172						
977000	3.968515	4.534889						
978000	3.666452	4.394146						
979000	3.690817	3.65357						
980000	3.137968	4.422722						
981000	3.700537	4.567535						
982000	3.719388	4.095754						
983000	3.715242	4.469982						
984000	3.865574	4.455852						
985000	3.62429	4.372255						
986000	3.619761	4.850968						
987000	3.386222	4.454771						
988000	4.022792	4.413274						
989000	4.141576	4.35955						
990000	3.750174	4.705832						
991000	4.092218	4.563527						

992000	4.562702	4.319975						
993000	4.116621	4.500309						
994000	3.925659	4.424027						
995000	4.129706	4.604369						
996000	4.082533	4.440348						
997000	4.061871	4.724407						
998000	3.960369	4.591307						
999000	4.058971	4.842932						
1000000	4.08086	4.424372						
1001000	3.696307	3.982022						
1002000	3.165337	4.586733						
1003000	3.64261	4.651141						
1004000	3.873544	4.418812						
1005000	3.611627	4.813521						
1006000	3.450021	4.756469						
1007000	3.383811	4.596636						
1008000	3.976121	4.656487						
1009000	3.543495	4.637085						
1010000	3.790886	3.558703						
1011000	3.776279	4.167002						
1012000	3.843924	4.108705						
1013000	3.853442	4.16101						
1014000	3.54605	4.417393						
1015000	4.160251	4.510016						
1016000	3.843298	4.508476						
1017000	3.932161	4.355307						
1018000	3.994062	4.319059						
1019000	3.887488	8.285698						
1020000	5.144726	3.669093						
1021000	4.102552	4.646064						
1022000	3.906539	4.470284						
1023000	3.858991	4.542297						

1024000	3.991825	5.297211						
1025000	4.066913	4.702509						
1026000	4.090679	4.797509						
1027000	3.89909	4.535261						
1028000	3.87228	4.643522						
1029000	3.922375	4.576669						
1030000	4.115431	4.547038						
1031000	3.964415	4.65673						
1032000	4.03183	4.530388						
1033000	3.9815	4.646047						
1034000	3.996361	4.50455						
1035000	3.894936	4.563542						
1036000	3.725769	4.478381						
1037000	3.879284	4.401737						
1038000	3.61117	4.380119						
1039000	3.72169	4.479096						
1040000	3.853355	4.276571						
1041000	3.834139	4.650933						
1042000	3.894858	4.524993						
1043000	3.614201	4.558985						
1044000	3.717829	4.568179						
1045000	3.556417	4.425402						
1046000	3.774955	4.423706						
1047000	3.559105	4.223426						
1048000	3.773618	4.531491						
1049000	3.962941	4.54472						
1050000	3.774654	3.936627						
1051000	3.834644	4.498573						
1052000	3.406531	4.319234						
1053000	3.927956	4.430326						
1054000	3.896302	4.347162						
1055000	3.905671	4.617033						

1056000	3.901644	3.755859						
1057000	3.675761	4.462748						
1058000	3.579686	4.632913						
1059000	3.747141	4.637021						
1060000	3.790749	4.495028						
1061000	3.349693	4.476357						
1062000	3.858224	4.60395						
1063000	3.741065	4.474957						
1064000	3.625002	3.976841						
1065000	3.785839	4.255242						
1066000	3.659093	4.547939						
1067000	3.395471	4.537728						
1068000	3.605723	4.40985						
1069000	3.771198	4.415124						
1070000	3.359227	4.254444						
1071000	3.512427	4.056522						
1072000	3.466134	4.465972						
1073000	3.734247	4.652291						
1074000	3.914746	4.455516						
1075000	3.605327	4.710792						
1076000	3.814947	4.326973						
1077000	3.712033	4.496648						
1078000	3.496939	4.248543						
1079000	3.645009	4.451576						
1080000	3.806924	4.350736						
1081000	3.606864	4.304032						
1082000	3.576261	4.326571						
1083000	3.344237	4.612115						
1084000	3.788583	4.215883						
1085000	3.936571	4.474675						
1086000	3.719303	4.646683						
1087000	3.824911	4.454852						

1088000	3.793823	4.448683						
1089000	3.550319	4.385869						
1090000	3.723948	4.411892						
1091000	3.708599	4.690538						
1092000	3.665555	4.388184						
1093000	3.354018	4.481078						
1094000	3.702614	4.443053						
1095000	3.721568	4.717361						
1096000	3.636905	3.989112						
1097000	3.523092	4.12013						
1098000	3.887702	4.462587						
1099000	3.805257	4.532141						
1100000	4.078767	4.492639						
1101000	3.621119	4.500144						
1102000	3.890236	4.423455						
1103000	3.758665	4.191846						
1104000	3.559765	4.120767						
1105000	3.684415	3.940775						
1106000	3.531921	4.603723						
1107000	3.678886	4.377865						
1108000	3.772812	4.582781						
1109000	3.480374	4.597888						
1110000	3.462341	4.594074						
1111000	3.588178	4.573096						
1112000	3.65369	3.9998						
1113000	3.443666	3.989119						
1114000	3.733714	4.30613						
1115000	3.502172	4.37833						
1116000	3.834992	4.410952						
1117000	3.514515	4.469941						
1118000	3.682286	4.53568						
1119000	3.750598	4.510429						

1120000	3.817602	4.336274						
1121000	3.807171	3.850199						
1122000	3.678534	4.371832						
1123000	3.751982	3.95345						
1124000	3.339068	4.269529						
1125000	3.304105	4.394739						
1126000	3.68841	4.562299						
1127000	3.861142	4.092265						
1128000	3.747153	4.217083						
1129000	3.726872	4.52057						
1130000	3.632993	3.972471						
1131000	3.657723	4.578435						
1132000	3.569858	4.386118						
1133000	3.544717	4.523134						
1134000	3.451726	4.34224						
1135000	3.822535	4.005921						
1136000	3.428015	4.460242						
1137000	3.746098	4.498795						
1138000	3.450867	4.446888						
1139000	3.80916	4.440361						
1140000	3.778356	4.196888						
1141000	3.725834	4.159214						
1142000	3.874565	4.387529						
1143000	3.88106	4.507749						
1144000	3.587234	4.438055						
1145000	3.685269	4.713275						
1146000	3.865196	4.436296						
1147000	3.7867	4.398239						
1148000	3.970459	4.451406						
1149000	3.626515	4.43659						
1150000	3.633145	4.351934						
1151000	3.5102	4.668603						



1152000	3.583082	4.534122						
1153000	3.552918	4.331553						
1154000	3.773312	4.519975						
1155000	3.614644	4.447494						
1156000	3.554221	4.078841						
1157000	3.5426	4.56132						
1158000	3.433738	4.269203						
1159000	3.82879	4.379917						
1160000	3.694759	4.292058						
1161000	3.687984	4.428466						
1162000	3.399367	4.459408						
1163000	3.586874	4.48652						
1164000	3.482834	4.169197						
1165000	3.813138	4.561333						
1166000	3.38931	4.314401						
1167000	3.633664	4.648479						
1168000	3.663306	4.286678						
1169000	3.714239	4.106189						
1170000	3.611487	4.552287						
1171000	3.781022	4.063263						
1172000	3.59998	4.49908						
1173000	3.508287	4.346792						
1174000	3.347579	4.643829						
1175000	3.681481	4.429667						
1176000	3.580327	4.376308						
1177000	3.751183	4.54058						
1178000	3.253601	4.579032						
1179000	3.61889	4.563166						
1180000	3.56343	3.98201						
1181000	3.778708	4.475315						
1182000	3.701854	4.45862						
1183000	3.544347	4.575447						

1184000	3.635114	4.24335						
1185000	3.737249	4.253101						
1186000	3.661205	4.330669						
1187000	3.828648	4.432539						
1188000	3.504865	4.029023						
1189000	3.693792	4.725736						
1190000	3.750696	3.791804						
1191000	3.633187	4.732984						
1192000	3.554767	4.051889						
1193000	3.551498	4.644719						
1194000	3.611729	4.085262						
1195000	3.542913	4.879513						
1196000	3.131481	4.43924						
1197000	3.248854	4.588185						
1198000	3.60568	4.378108						
1199000	3.739125	4.311936						
1200000	3.778831	4.131565						
1201000	3.759941	4.63254						
1202000	3.792418	4.478617						
1203000	3.667326	4.139896						
1204000	3.910759	4.451959						
1205000	3.815793	4.481738						
1206000	3.680622	4.453285						
1207000	3.581788	4.221715						
1208000	3.536965	4.329126						
1209000	3.726555	4.370809						
1210000	3.280828	4.478587						
1211000	3.794022	4.651959						
1212000	3.739212	4.439616						
1213000	3.836986	4.796291						
1214000	3.60389	4.208589						
1215000	3.380978	4.687436						

1216000	3.665774	4.578673						
1217000	3.702049	4.603987						
1218000	3.745833	4.42982						
1219000	3.727248	4.543755						
1220000	3.718889	4.293087						
1221000	3.715554	4.283241						
1222000	3.734862	4.494728						
1223000	3.601777	4.366267						
1224000	3.532963	4.725518						
1225000	3.143632	4.184093						
1226000	3.696564	4.451227						
1227000	3.968518	4.463188						
1228000	3.702366	4.627744						
1229000	3.878265	4.471825						
1230000	3.834236	4.303346						
1231000	3.979686	4.483044						
1232000	3.725353	4.61141						
1233000	3.685039	4.487873						
1234000	3.530392	4.128859						
1235000	3.458316	4.355329						
1236000	3.643194	4.571836						
1237000	3.298652	4.401599						
1238000	3.574833	4.595343						
1239000	3.602069	4.664932						
1240000	3.568617	4.684862						
1241000	3.555305	4.106881						
1242000	3.635	4.440237						
1243000	3.701369	4.463717						
1244000	3.655643	4.37402						
1245000	3.708926	4.641655						
1246000	3.705867	4.432958						
1247000	3.661626	4.474084						

1248000	3.663114	4.557858						
1249000	3.724019	4.397597						
1250000	4.053405	4.30759						
1251000	3.804799	4.605075						
1252000	3.828207	3.861894						
1253000	4.010053	4.426235						
1254000	3.652436	4.578694						
1255000	3.583485	4.986911						
1256000	3.596531	3.985749						
1257000	3.081606	4.651972						
1258000	3.377549	4.637221						
1259000	3.850169	4.359149						
1260000	3.62787	4.449079						
1261000	3.948338	4.539975						
1262000	3.697755	4.569452						
1263000	3.805289	4.551839						
1264000	3.994838	4.736769						
1265000	3.630483	4.725279						
1266000	3.777546	4.497241						
1267000	3.482137	4.419933						
1268000	3.686464	3.952906						
1269000	3.840122	4.495298						
1270000	3.916018	4.316204						
1271000	3.493779	3.811477						
1272000	4.060914	4.525521						
1273000	3.741626	4.230087						
1274000	3.471512	4.563314						
1275000	3.737779	4.833804						
1276000	3.656291	4.389423						
1277000	3.225277	4.519469						
1278000	3.37379	4.354137						
1279000	3.263581	3.864699						

1280000	3.460988	4.974179						
1281000	3.638604	4.467811						
1282000	3.718105	4.155433						
1283000	3.218345	3.989222						
1284000	3.645722	4.688549						
1285000	3.65621	4.536049						
1286000	3.715155	4.783852						
1287000	3.529897	4.539061						
1288000	3.271232	3.968639						
1289000	3.403846	4.519921						
1290000	3.589545	4.383509						
1291000	3.74088	3.832708						
1292000	3.470054	4.268358						
1293000	3.546389	4.615048						
1294000	3.69696	3.865162						
1295000	3.760475	4.501422						
1296000	3.518855	4.440286						
1297000	3.791767	4.192757						
1298000	3.784796	4.627006						
1299000	3.493408	4.485512						
1300000	3.684871	4.633089						
1301000	3.775095	4.394008						
1302000	3.757185	4.494883						
1303000	3.522271	4.545268						
1304000	3.81767	4.509873						
1305000	3.646588	4.307362						
1306000	3.526098	4.256506						
1307000	3.577633	4.444476						
1308000	3.527547	4.438634						
1309000	3.653649	4.641976						
1310000	3.909385	4.428856						
1311000	3.763199	4.376439						

1312000	3.607729	4.511717						
1313000	3.849435	4.547678						
1314000	3.948827	4.432419						
1315000	3.802328	4.348493						
1316000	3.840491	4.545503						
1317000	3.90224	4.273772						
1318000	3.548172	4.29529						
1319000	3.41625	4.546108						
1320000	3.638571	4.452223						
1321000	3.57039	4.731588						
1322000	3.557732	4.427431						
1323000	3.56396	4.389128						
1324000	3.429251	4.449215						
1325000	3.607244	4.441343						
1326000	3.766761	4.37009						
1327000	3.638449	4.552054						
1328000	3.543568	4.455429						
1329000	3.371244	4.688254						
1330000	3.62519	4.015873						
1331000	3.763166	4.426438						
1332000	3.457043	4.566064						
1333000	3.709215	4.456089						
1334000	3.890863	4.247792						
1335000	3.519179	4.495663						
1336000	3.788247	4.570793						
1337000	3.638124	4.48778						
1338000	3.313519	4.395373						
1339000	3.794252	4.538505						
1340000	3.918368	4.261381						
1341000	3.77985	4.141239						
1342000	3.638627	4.319216						
1343000	3.747507	4.678839						

1344000	3.667049	4.259286						
1345000	3.442743	4.240076						
1346000	3.534627	4.65456						
1347000	3.787795	4.383699						
1348000	3.727022	4.391075						
1349000	3.385713	4.701251						
1350000	3.729258	4.603103						
1351000	3.748297	4.579763						
1352000	3.696509	4.201413						
1353000	3.621316	4.524747						
1354000	3.589525	4.553054						
1355000	3.717504	4.11393						
1356000	3.627429	4.448983						
1357000	3.64501	4.524106						
1358000	3.713727	4.412158						
1359000	3.924721	4.553687						
1360000	3.849153	4.508031						
1361000	3.500739	4.380498						
1362000	3.412894	4.605142						
1363000	3.549577	4.397415						
1364000	3.406749	3.768776						
1365000	3.454479	4.57649						
1366000	3.660179	4.374075						
1367000	3.367763	4.767226						
1368000	3.489743	4.263624						
1369000	3.729796	4.57793						
1370000	3.54859	4.542666						
1371000	3.80534	4.540529						
1372000	3.721104	4.536149						
1373000	3.581454	4.049555						
1374000	3.757623	4.532627						
1375000	3.680627	4.536473						

1376000	3.504905	4.081804						
1377000	3.577132	4.539657						
1378000	3.75891	4.047107						
1379000	3.83018	4.480396						
1380000	3.620558	4.347338						
1381000	3.791459	4.71503						
1382000	3.846885	4.457955						
1383000	3.844614	4.422484						
1384000	3.812461	4.307133						
1385000	3.166366	4.430316						
1386000	3.026908	4.526241						
1387000	3.352247	4.517762						
1388000	3.752014	4.452574						
1389000	3.692476	4.501215						
1390000	3.452866	4.402979						
1391000	3.772498	4.474599						
1392000	3.40255	4.195233						
1393000	3.736769	4.477953						
1394000	3.649731	4.596025						
1395000	3.756433	4.486755						
1396000	3.833186	4.541939						
1397000	3.632209	4.557616						
1398000	3.836144	4.41059						
1399000	3.496046	4.399426						
1400000	3.845862	4.418116						
1401000	3.89246	4.560983						
1402000	3.813308	4.346366						
1403000	3.648117	4.401411						
1404000	3.666353	4.556029						
1405000	3.704827	4.368783						
1406000	3.503278	4.560575						
1407000	3.549105	4.470412						



1408000	3.493943	4.417185						
1409000	3.555936	4.510858						
1410000	3.661303	4.571065						
1411000	3.373712	4.210498						
1412000	3.593216	4.451019						
1413000	3.456902	4.368972						
1414000	3.788023	7.007851						
1415000	3.568675	4.30312						
1416000	4.693823	4.702622						
1417000	3.461154	4.697326						
1418000	3.705867	4.434046						
1419000	3.637116	4.632197						
1420000	3.608857	4.559634						
1421000	3.609476	4.397635						
1422000	3.790162	4.486828						
1423000	3.815492	4.464144						
1424000	3.724845	4.533234						
1425000	3.624655	4.643069						
1426000	3.897968	4.494013						
1427000	3.503695	4.477841						
1428000	3.472454	4.402316						
1429000	3.71996	4.580086						
1430000	3.621574	4.24877						
1431000	3.771434	4.529403						
1432000	3.708135	4.349584						
1433000	3.667675	4.696427						
1434000	3.24064	4.141086						
1435000	3.675924	4.501995						
1436000	3.744091	4.118674						
1437000	3.823064	4.589578						
1438000	3.655965	4.083412						
1439000	3.791506	4.439178						

1440000	3.576627	3.829591						
1441000	3.460978	4.287928						
1442000	3.527063	4.387126						
1443000	3.814741	4.497237						
1444000	3.56696	4.480428						
1445000	3.854282	4.620565						
1446000	3.682301	4.195616						
1447000	3.490815	4.408005						
1448000	3.572467	4.560695						
1449000	3.323848	4.535357						
1450000	3.714303	4.58774						
1451000	3.404144	4.472336						
1452000	3.617163	4.560934						
1453000	3.60024	4.479749						
1454000	3.561708	4.358422						
1455000	3.51889	4.020836						
1456000	3.7065	4.431616						
1457000	3.363825	4.307913						
1458000	3.162747	4.510592						
1459000	3.52536	4.066802						
1460000	3.656374	4.390057						
1461000	3.510607	4.511606						
1462000	3.693302	4.37747						
1463000	3.521326	4.514584						
1464000	3.65117	4.444874						
1465000	3.533098	4.160705						
1466000	3.791716	4.491119						
1467000	3.670203	4.322163						
1468000	3.831735	4.435261						
1469000	3.808746	4.44021						
1470000	3.426585	4.625701						
1471000	3.576537	4.559263						

1472000	3.611624	4.148131						
1473000	3.586593	4.487945						
1474000	3.538719	4.294855						
1475000	3.608711	4.445944						
1476000	3.522114	4.335818						
1477000	3.76347	4.724809						
1478000	3.633261	4.455929						
1479000	3.831796	4.440211						
1480000	3.518353	4.800109						
1481000	3.706287	4.713605						
1482000	3.575354	4.493228						
1483000	3.814232	4.474727						
1484000	3.444153	4.46043						
1485000	3.786001	3.927149						
1486000	3.242085	4.547514						
1487000	3.245932	4.376978						
1488000	3.390087	4.702586						
1489000	3.597232	4.587117						
1490000	3.43855	4.473244						
1491000	3.389298	4.5315						
1492000	3.550972	4.555466						
1493000	3.432047	4.544334						
1494000	3.531113	4.67341						
1495000	3.646829	4.434495						
1496000	3.531008	4.29729						
1497000	3.691038	4.357969						
1498000	3.509272	4.547068						
1499000	3.597885	4.1681						
1500000	3.5076	4.291435						
1501000	3.424412	4.698873						
1502000	3.662074	4.398435						
1503000	3.603737	4.58467						

1504000	3.459241	4.378307						
1505000	3.12117	4.488265						
1506000	3.547112	4.620757						
1507000	3.639629	4.346708						
1508000	3.806123	4.690145						
1509000	3.600916	4.530641						
1510000	3.898247	4.384989						
1511000	3.802339	4.375045						
1512000	3.582624	4.129772						
1513000	3.612119	4.424937						
1514000	3.575322	4.341307						
1515000	3.34279	4.502322						
1516000	3.741078	4.125216						
1517000	3.638931	4.555						
1518000	3.567682	4.355758						
1519000	3.847957	4.429667						
1520000	3.724263	4.340531						
1521000	3.862559	4.555811						
1522000	3.5806	4.696142						
1523000	3.4864	4.600295						
1524000	3.812171	4.403003						
1525000	3.697102	4.773006						
1526000	3.730053	4.535146						
1527000	3.816373	4.508121						
1528000	3.662901	4.360979						
1529000	3.756813	4.517389						
1530000	3.850158	4.388821						
1531000	4.018438	4.469361						
1532000	3.545975	4.422378						
1533000	3.813428	4.434051						
1534000	3.481691	4.034088						
1535000	3.445189	4.674496						

1536000	3.589914	4.443755						
1537000	3.357154	4.772913						
1538000	3.481908	4.62441						
1539000	3.508154	4.261623						
1540000	3.310331	4.366822						
1541000	3.617522	4.523495						
1542000	3.515957	4.438573						
1543000	3.744226	4.584684						
1544000	3.494988	4.603286						
1545000	3.484815	4.38776						
1546000	3.698572	4.058338						
1547000	3.662855	4.504082						
1548000	3.672687	4.433974						
1549000	3.515036	4.350961						
1550000	3.705455	4.734322						
1551000	3.571102	4.358869						
1552000	3.736142	4.548192						
1553000	3.786119	4.583339						
1554000	3.709543	4.614416						
1555000	3.701328	4.613904						
1556000	3.630017	4.675642						
1557000	3.638517	4.550813						
1558000	3.626039	4.479451						
1559000	3.51572	4.626426						
1560000	3.367357	4.530377						
1561000	3.442439	4.409387						
1562000	3.621041	4.540904						
1563000	3.772608	4.564067						
1564000	3.650122	4.736421						
1565000	3.679558	4.585461						
1566000	3.620472	4.448096						
1567000	3.884884	4.489121						

1568000	3.742105	4.460977						
1569000	3.629102	4.392216						
1570000	3.806976	4.707498						
1571000	3.441765	4.621282						
1572000	3.768223	4.481141						
1573000	3.14755	4.529772						
1574000	3.584981	4.207043						
1575000	3.808822	4.49497						
1576000	3.615561	4.457737						
1577000	3.637992	4.601053						
1578000	3.632712	4.039992						
1579000	3.256748	4.381563						
1580000	3.50764	4.558779						
1581000	3.399189	4.500049						
1582000	3.423772	3.987694						
1583000	3.523006	4.533182						
1584000	3.441062	4.398503						
1585000	3.713167	4.086856						
1586000	3.687436	4.318429						
1587000	3.212914	4.473307						
1588000	3.487208	4.423616						
1589000	3.558092	4.456954						
1590000	3.543938	4.553466						
1591000	3.696069	4.687093						
1592000	3.715161	4.250442						
1593000	3.666059	4.608557						
1594000	3.871656	4.374201						
1595000	3.569047	4.433259						
1596000	3.812484	4.465485						
1597000	3.559161	4.436256						
1598000	3.676132	4.63014						
1599000	3.528866	4.489309						

1600000	3.710818	4.533697						
1601000	3.608121	4.609629						
1602000	3.629677	4.421081						
1603000	3.571351	4.407534						
1604000	3.81099	4.447044						
1605000	3.532763	4.44142						
1606000	3.544391	4.624013						
1607000	3.651798	4.16317						
1608000	3.570681	4.230121						
1609000	3.422924	4.429758						
1610000	3.656656	4.346495						
1611000	3.47682	4.379889						
1612000	3.778047	4.346611						
1613000	3.771039	4.415298						
1614000	3.654986	4.574568						
1615000	3.669892	4.592024						
1616000	3.753897	4.233623						
1617000	3.290682	4.392997						
1618000	3.606591	4.325685						
1619000	3.437999	3.967006						
1620000	3.698212	4.591841						
1621000	3.482086	4.503655						
1622000	3.273723	4.205459						
1623000	3.666642	4.491883						
1624000	3.543031	4.354846						
1625000	3.338134	4.514728						
1626000	3.385762	4.501707						
1627000	3.633953	4.584459						
1628000	3.434355	4.636833						
1629000	3.77322	4.451155						
1630000	3.65941	4.574532						
1631000	3.562378	4.560324						

1632000	3.820111	4.271695						
1633000	3.539375	4.425329						
1634000	3.576667	4.684543						
1635000	3.442564	4.533144						
1636000	3.687276	3.712248						
1637000	3.783264	4.448827						
1638000	3.616771	4.587513						
1639000	3.959927	4.509293						
1640000	3.576021	4.453811						
1641000	3.602552	4.780518						
1642000	3.782108	4.35439						
1643000	3.498763	4.068568						
1644000	3.8091	4.724647						
1645000	3.395478	4.654138						
1646000	3.821129	4.571882						
1647000	3.610836	4.81435						
1648000	3.684611	4.520627						
1649000	3.839274	4.33476						
1650000	3.667734	4.209125						
1651000	3.652498	4.62949						
1652000	3.698521	4.455322						
1653000	3.810417	4.162328						
1654000	3.326655	4.625544						
1655000	3.697613	4.701207						
1656000	3.860948	4.494267						
1657000	3.3845	3.450013						
1658000	3.963635	4.499317						
1659000	3.834101	4.194756						
1660000	3.659469	4.403889						
1661000	3.413757	4.410526						
1662000	3.483483	3.796806						
1663000	3.211572	4.556507						



1664000	3.353412	4.048447						
1665000	3.269879	4.747528						
1666000	3.552975	4.735075						
1667000	3.633794	3.77372						
1668000	3.34551	4.175246						
1669000	3.611284	3.854319						
1670000	3.711989	4.489117						
1671000	3.860961	4.475122						
1672000	3.603627	4.791022						
1673000	3.626664	4.617774						
1674000	3.813128	4.053177						
1675000	3.331778	4.16927						
1676000	3.930358	4.538136						
1677000	3.542266	4.6572						
1678000	3.842601	4.536351						
1679000	3.646941	4.814823						
1680000	3.911171	3.925535						
1681000	3.410281	4.449913						
1682000	3.931194	4.534136						
1683000	3.749647	4.854511						
1684000	3.589607	4.598207						
1685000	3.854087	4.439837						
1686000	3.214941	3.650293						
1687000	3.8179	4.654861						
1688000	3.717822	4.720361						
1689000	3.745203	4.427227						
1690000	3.473152	4.444519						
1691000	3.775637	4.154374						
1692000	3.284361	4.541932						
1693000	3.660781	4.587708						
1694000	3.554189	4.617714						
1695000	3.727863	4.523857						

1696000	3.925598	4.362774						
1697000	3.512211	4.335511						
1698000	3.444362	4.686095						
1699000	3.695077	4.673563						
1700000	3.920013	4.614429						
1701000	2.932986	3.968293						
1702000	3.36815	4.594468						
1703000	3.543082	4.613832						
1704000	3.583613	3.93567						
1705000	3.665829	4.77923						
1706000	3.350575	4.320582						
1707000	3.074084	4.580638						
1708000	3.662223	4.618899						
1709000	3.590048	4.148884						
1710000	3.457935	3.865899						
1711000	3.175952	4.656268						
1712000	3.74105	4.634047						
1713000	3.784191	4.793101						
1714000	3.579726	4.371301						
1715000	3.334876	4.678609						
1716000	3.53207	4.415192						
1717000	3.740406	4.788484						
1718000	3.631192	4.043048						
1719000	3.152279	4.201515						
1720000	3.787219	4.558632						
1721000	3.268679	4.470382						
1722000	3.637695	5.650936						
1723000	5.830889	4.619802						
1724000	3.874298	4.565778						
1725000	4.420938	4.455891						
1726000	3.780277	4.603702						
1727000	3.710049	4.706828						

1728000	3.74885	4.498248						
1729000	3.626506	4.68065						
1730000	3.66149	4.281612						
1731000	3.396532	4.541994						
1732000	3.690277	4.23789						
1733000	3.684065	4.567685						
1734000	3.641548	4.417623						
1735000	3.238696	4.542245						
1736000	3.717123	4.485214						
1737000	3.739776	4.596756						
1738000	3.672775	4.537837						
1739000	3.742395	4.395092						
1740000	3.510987	4.496028						
1741000	3.779945	4.728815						
1742000	3.74344	4.515319						
1743000	3.820678	4.438804						
1744000	3.718596	3.967768						
1745000	3.609476	4.63242						
1746000	3.576003	4.313231						
1747000	3.650532	4.362298						
1748000	3.318039	4.223667						
1749000	3.286859	4.664571						
1750000	3.487245	4.654626						
1751000	3.682628	4.53834						
1752000	3.489572	3.776859						
1753000	3.268413	4.589653						
1754000	3.568706	4.605498						
1755000	3.715045	4.441251						
1756000	3.608911	4.339837						
1757000	3.67897	4.575975						
1758000	3.543052	4.595919						
1759000	3.750192	4.636161						

1760000	3.582492	4.366637						
1761000	3.714002	4.5849						
1762000	3.640399	4.557283						
1763000	3.641066	4.504687						
1764000	3.479486	5.069281						
1765000	3.707363	4.634855						
1766000	3.738358	4.596233						
1767000	3.634217	4.538139						
1768000	3.531729	4.471471						
1769000	3.735115	4.725377						
1770000	3.592348	4.62539						
1771000	3.433214	4.640274						
1772000	3.718756	4.478675						
1773000	3.433472	4.504343						
1774000	3.719461	4.53014						
1775000	3.443803	4.586648						
1776000	3.494282	4.577783						
1777000	3.691981	4.792445						
1778000	3.535092	4.168662						
1779000	3.444537	4.333293						
1780000	3.591354	4.589802						
1781000	3.697789	4.870433						
1782000	3.772163	4.60034						
1783000	3.564963	4.242484						
1784000	3.807391	4.418345						
1785000	3.723756	4.501809						
1786000	3.765355	4.468578						
1787000	3.695174	4.604601						
1788000	3.719015	4.380261						
1789000	3.271187	4.305705						
1790000	3.519864	4.515985						
1791000	3.494489	4.582266						

1792000	3.600231	4.444725						
1793000	3.288776	4.183712						
1794000	3.547315	4.603631						
1795000	3.552164	4.491982						
1796000	3.68006	4.479132						
1797000	3.371511	4.568932						
1798000	3.639412	4.673283						
1799000	3.578491	3.935036						
1800000	3.282106	4.300267						
1801000	3.482642	4.490275						
1802000	3.693617	4.73229						
1803000	3.699119	4.668615						
1804000	3.594618	4.708137						
1805000	3.377459	4.616903						
1806000	3.355631	3.881061						
1807000	3.87686	4.777967						
1808000	3.357692	4.756957						
1809000	3.490228	4.903761						
1810000	3.939803	4.241231						
1811000	3.761513	4.189644						
1812000	3.651012	4.635236						
1813000	3.736991	4.538667						
1814000	3.212398	4.627695						
1815000	3.458665	4.588848						
1816000	3.887961	4.379801						
1817000	3.807144	4.70047						
1818000	3.657523	4.712161						
1819000	3.501204	4.112239						
1820000	3.839001	4.492763						
1821000	3.797437	4.867519						
1822000	3.63855	4.044324						
1823000	3.515771	4.511852						

1824000	3.740676	4.735445						
1825000	3.537787	4.575522						
1826000	3.840306	4.357648						
1827000	3.657785	4.73905						
1828000	3.270913	4.742372						
1829000	3.798733	4.144079						
1830000	3.7542	3.853579						
1831000	3.54523	4.410335						
1832000	3.559045	4.708597						
1833000	3.41824	4.588443						
1834000	3.676414	4.479369						
1835000	3.460988	3.923249						
1836000	3.628126	4.581169						
1837000	3.616229	4.435547						
1838000	3.020307	3.535717						
1839000	3.809127	4.41959						
1840000	3.499159	4.225628						
1841000	3.812872	4.743702						
1842000	3.558944	4.035726						
1843000	3.225826	4.490981						
1844000	3.56672	4.680437						
1845000	3.597996	4.112353						
1846000	3.825366	4.559732						
1847000	3.535046	4.383516						
1848000	3.346814	4.118338						
1849000	3.844497	4.529301						
1850000	3.91516	4.264475						
1851000	3.753898	4.695522						
1852000	3.645587	4.390717						
1853000	3.4602	4.350486						
1854000	3.792945	4.472842						
1855000	3.692835	4.444722						

1856000	3.129065	4.52146						
1857000	3.492802	4.690631						
1858000	3.59241	4.59042						
1859000	3.858532	4.54674						
1860000	3.753365	4.745146						
1861000	3.620306	4.704296						
1862000	3.493519	4.46128						
1863000	3.811459	4.538649						
1864000	4.006037	4.685587						
1865000	4.064443	4.802558						
1866000	3.971793	4.477522						
1867000	4.008572	4.604496						
1868000	3.860976	4.57378						
1869000	3.998959	4.60509						
1870000	4.026379	4.704302						
1871000	3.820952	4.595302						
1872000	3.816631	4.189061						
1873000	3.727274	4.58682						
1874000	3.595826	4.107958						
1875000	3.570474	4.539645						
1876000	3.564803	4.659364						
1877000	3.309203	4.534027						
1878000	3.398494	4.290453						
1879000	3.696943	4.261925						
1880000	3.581483	4.537547						
1881000	3.637466	4.416026						
1882000	3.363008	4.46692						
1883000	3.665907	4.593854						
1884000	3.797979	4.177007						
1885000	3.725374	4.628909						
1886000	3.64135	4.430647						
1887000	3.487384	4.606011						

1888000	3.792287	4.528499						
1889000	3.420077	4.118065						
1890000	3.544884	4.59589						
1891000	3.648938	4.458412						
1892000	3.520339	4.451678						
1893000	3.803842	4.62227						
1894000	3.649492	4.308542						
1895000	3.812523	4.577355						
1896000	3.746362	4.427653						
1897000	3.52347	4.730845						
1898000	3.745944	4.275188						
1899000	3.579589	4.472723						
1900000	3.434515	4.735812						
1901000	3.532851	4.151329						
1902000	3.559146	4.415519						
1903000	3.748553	4.349954						
1904000	3.73511	4.472666						
1905000	3.835466	4.678533						
1906000	3.720304	4.745761						
1907000	3.524427	4.578456						
1908000	3.653377	4.525398						
1909000	3.795363	4.754346						
1910000	3.566809	4.03069						
1911000	3.82294	4.510909						
1912000	3.79513	4.441407						
1913000	3.494846	4.542953						
1914000	3.849387	4.534441						
1915000	3.622627	4.573534						
1916000	3.673573	4.47906						
1917000	3.462398	4.266057						
1918000	3.415289	4.282347						
1919000	3.465916	4.403794						



1920000	3.33581	4.439988						
1921000	3.469136	4.277747						
1922000	3.56093	4.404291						
1923000	3.591065	4.458002						
1924000	3.120839	4.540581						
1925000	3.705241	4.239557						
1926000	3.592183	4.475328						
1927000	3.493955	4.622998						
1928000	3.20506	4.456047						
1929000	3.663107	4.567769						
1930000	3.46147	4.594333						
1931000	3.694499	4.499382						
1932000	3.770493	4.251619						
1933000	3.731174	4.652625						
1934000	3.650177	4.483807						
1935000	3.512084	4.620888						
1936000	3.753824	4.579175						
1937000	3.757183	4.448288						
1938000	3.674566	4.660017						
1939000	3.613633	4.708249						
1940000	3.588401	4.578494						
1941000	5.42985	4.275425						
1942000	4.056209	4.383281						
1943000	3.936217	4.836074						
1944000	4.064845	4.634006						
1945000	3.505411	4.652449						
1946000	3.788811	4.559818						
1947000	3.852438	4.542779						
1948000	3.800477	4.398943						
1949000	3.737642	4.610015						
1950000	3.761342	4.465236						
1951000	3.816805	4.528968						

1952000	3.801133	4.223861						
1953000	3.807647	4.653783						
1954000	3.563268	4.423879						
1955000	3.697643	4.645846						
1956000	3.666071	4.416389						
1957000	3.905045	4.539055						
1958000	3.609558	4.09429						
1959000	3.538192	4.666035						
1960000	3.598104	4.357754						
1961000	3.53356	4.593099						
1962000	3.21556	4.094283						
1963000	3.594727	4.52612						
1964000	3.497958	4.570463						
1965000	3.566604	4.738838						
1966000	3.637136	4.450937						
1967000	3.576817	4.569098						
1968000	3.427975	4.522468						
1969000	3.816084	4.521102						
1970000	3.427211	4.496008						
1971000	3.723937	4.634474						
1972000	3.701946	4.556463						
1973000	3.66851	4.640637						
1974000	3.363945	4.560708						
1975000	3.791857	4.594641						
1976000	3.697314	4.450365						
1977000	3.831544	4.480395						
1978000	3.674091	4.614717						
1979000	3.700478	4.30941						
1980000	3.855406	4.283648						
1981000	3.851941	4.638344						
1982000	3.767359	4.490454						
1983000	3.665871	4.560137						

1984000	3.693709	4.539496						
1985000	3.639385	4.570532						
1986000	3.603986	4.655997						
1987000	3.520489	4.589717						
1988000	3.788318	4.402048						
1989000	3.602377	4.524466						
1990000	3.762485	4.54778						
1991000	3.670415	4.709534						
1992000	3.618986	4.585185						
1993000	3.547742	4.232034						
1994000	3.806027	4.46685						
1995000	3.808492	4.626968						
1996000	3.748288	4.035944						
1997000	3.860066	4.754026						
1998000	3.374164	6.166474						
1999000	4.270669	4.686406						
2000000	3.943116	4.716639						
2001000	3.847543	4.564974						
2002000	3.806019	4.632093						
2003000	3.643581	4.608694						
2004000	3.661081	4.538228						
2005000	3.639438	4.641907						
2006000	3.510513	4.520786						
2007000	3.497284	4.639679						
2008000	3.631532	4.540049						
2009000	3.539422	4.499399						
2010000	3.493961	4.538357						
2011000	3.419083	4.542854						
2012000	3.752238	4.463102						
2013000	3.648656	4.596279						
2014000	3.196262	4.758551						
2015000	3.642362	4.615646						

2016000	3.562718	4.366411						
2017000	3.459944	4.320139						
2018000	3.690125	4.311271						
2019000	3.535855	4.544117						
2020000	3.536319	4.483585						
2021000	3.441838	4.691362						
2022000	3.825661	4.61756						
2023000	3.689898	4.503574						
2024000	3.699369	4.314193						
2025000	3.678257	4.57955						
2026000	3.657017	4.544798						
2027000	3.540902	4.518226						
2028000	3.68114	4.243792						
2029000	3.625243	4.345983						
2030000	3.736832	4.455229						
2031000	3.666556	4.584217						
2032000	3.521304	4.490092						
2033000	3.625401	4.487498						
2034000	3.68403	4.518246						
2035000	3.837306	4.162808						
2036000	3.513562	4.486918						
2037000	3.545686	4.554979						
2038000	3.51568	4.320898						
2039000	3.534593	4.624991						
2040000	3.912248	4.537471						
2041000	3.795025	4.493957						
2042000	3.809415	4.503322						
2043000	3.769379	4.482062						
2044000	3.708341	4.583131						
2045000	3.445007	4.474786						
2046000	3.426936	4.534037						
2047000	3.503943	4.737155						

2048000	3.559044	4.303617						
2049000	3.520392	4.395739						
2050000	3.380458	4.442221						
2051000	3.451539	4.498631						
2052000	3.431715	4.573521						
2053000	3.632234	4.518948						
2054000	3.611336	4.678564						
2055000	3.4264	4.626397						
2056000	3.751597	4.594656						
2057000	3.667635	4.490493						
2058000	3.775181	4.431154						
2059000	3.636812	4.753948						
2060000	3.651678	4.529906						
2061000	3.679616	4.3623						
2062000	3.558869	4.216823						
2063000	3.444019	4.575606						
2064000	3.646768	4.565026						
2065000	3.818762	4.522194						
2066000	3.706892	4.40513						
2067000	3.705156	4.755163						
2068000	3.510869	4.728691						
2069000	3.632777	4.527055						
2070000	3.620855	4.66079						
2071000	3.386854	4.525034						
2072000	3.753496	4.296772						
2073000	3.671793	4.583682						
2074000	3.499371	4.442934						
2075000	3.533254	4.532733						
2076000	3.709562	4.629781						
2077000	3.586739	4.702134						
2078000	3.739823	4.498104						
2079000	3.406859	4.596243						

2080000	3.754785	4.281574						
2081000	3.860402	4.324528						
2082000	3.587537	5.749138						
2083000	3.217949	4.778945						
2084000	3.79371	4.47784						
2085000	3.244607	4.724469						
2086000	3.849966	4.458322						
2087000	3.507228	3.855487						
2088000	3.649766	4.614445						
2089000	3.669517	4.410033						
2090000	3.457295	4.580756						
2091000	3.333643	4.641097						
2092000	3.433854	4.665629						
2093000	3.119688	4.560783						
2094000	3.364195	4.688162						
2095000	3.750583	4.469513						
2096000	3.243247	4.367657						
2097000	3.689066	4.493809						
2098000	3.524943	4.502235						
2099000	3.700516	4.717945						
2100000	3.559768	4.744531						
2101000	3.69397	4.545322						
2102000	3.388319	4.966806						
2103000	3.443571	4.565621						
2104000	3.376433	4.710993						
2105000	3.862415	4.537592						
2106000	3.640955	5.319306						
2107000	3.817515	4.518574						
2108000	3.711597	4.589974						
2109000	3.600274	4.559788						
2110000	3.738693	4.140644						
2111000	3.648469	4.853332						

2112000	3.695485	4.342398						
2113000	3.399002	4.641257						
2114000	3.552329	4.563002						
2115000	3.691293	4.61502						
2116000	3.402175	4.665653						
2117000	3.735889	4.469569						
2118000	3.760501	4.632313						
2119000	3.509803	4.531106						
2120000	3.499438	4.338344						
2121000	3.707839	4.541712						
2122000	3.715718	4.702616						
2123000	3.767256	4.677394						
2124000	3.800944	4.549094						
2125000	3.483823	4.42548						
2126000	3.686543	4.325995						
2127000	3.637646	4.402261						
2128000	3.845795	4.526553						
2129000	3.628447	4.484388						
2130000	3.705534	4.328986						
2131000	2.957358	4.73034						
2132000	2.67265	4.964842						
2133000	2.765566	4.800845						
2134000	2.77914	5.040212						
2135000	2.849721	4.91266						
2136000	2.711816	5.058319						
2137000	2.509002	4.846821						
2138000	2.718225	5.119871						
2139000	2.898055	4.849738						
2140000	2.82882	4.900321						
2141000	2.804662	4.758435						
2142000	2.935878	4.695927						
2143000	2.808233	5.083015						

2144000	2.733862	5.157485						
2145000	2.842952	4.961306						
2146000	2.832472	4.953574						
2147000	2.732846	5.218981						
2148000	2.752616	4.769548						
2149000	2.589069	4.926591						
2150000	2.820334	4.869297						
2151000	2.8263	4.734188						
2152000	2.894367	4.92383						
2153000	2.772908	4.681627						
2154000	2.747445	4.855941						
2155000	2.747483	4.664998						
2156000	2.89888	5.088845						
2157000	2.842993	5.124278						
2158000	2.866051	4.955933						
2159000	2.69625	4.711886						
2160000	2.754858	5.049509						
2161000	2.715365	5.028547						
2162000	2.698247	5.111119						
2163000	2.880895	4.958105						
2164000	2.833659	4.43958						
2165000	2.80348	4.864735						
2166000	2.563265	4.920574						
2167000	2.662683	4.839247						
2168000	2.580492	4.424792						
2169000	2.585659	4.94416						
2170000	2.606532	5.018056						
2171000	2.640407	4.99678						
2172000	2.552365	4.903266						
2173000	2.537434	5.034553						
2174000	2.359891	5.131793						
2175000	2.528	5.037353						



2176000	2.533973	5.081866						
2177000	2.714075	4.886301						
2178000	2.413413	4.833881						
2179000	2.6303	4.884347						
2180000	2.636537	4.960563						
2181000	2.63581	4.966499						
2182000	2.708652	4.366805						
2183000	2.618179	4.778343						
2184000	2.704528	4.994983						
2185000	2.687738	5.13452						
2186000	2.576783	4.982749						
2187000	2.651024	4.836435						
2188000	2.507114	5.100099						
2189000	2.4731	5.048073						
2190000	2.607723	5.039918						
2191000	2.789821	4.895329						
2192000	2.635682	4.637989						
2193000	2.66883	4.805307						
2194000	2.607113	4.937066						
2195000	2.72151	4.818078						
2196000	2.695978	4.799676						
2197000	2.49173	5.007473						
2198000	2.694436	4.937335						
2199000	2.626786	5.004359						
2200000	2.633396	5.122775						
2201000	2.499742	4.509901						
2202000	2.582934	5.061396						
2203000	2.592917	4.621339						
2204000	2.491695	5.004051						
2205000	2.647198	5.178723						
2206000	2.719871	4.944844						
2207000	2.618787	4.961848						

2208000	2.704202	4.956478						
2209000	2.572901	4.72767						
2210000	2.587481	4.886569						
2211000	2.677913	4.924512						
2212000	2.693248	4.823524						
2213000	2.551699	4.816711						
2214000	2.496778	4.800935						
2215000	2.57626	5.156398						
2216000	2.512766	5.220489						
2217000	2.525519	4.883995						
2218000	2.445078	4.770019						
2219000	2.508508	4.94783						
2220000	2.503666	4.685012						
2221000	2.445898	5.11046						
2222000	2.563184	4.506036						
2223000	2.666879	5.011541						
2224000	2.605915	4.864749						
2225000	2.678794	5.023577						
2226000	2.547596	4.820724						
2227000	2.590693	4.789438						
2228000	2.628755	4.86202						
2229000	2.676913	4.472939						
2230000	2.61978	4.873636						
2231000	2.683286	4.721082						
2232000	2.722417	5.185111						
2233000	2.664473	4.927527						
2234000	2.51498	5.025056						
2235000	2.49923	5.056629						
2236000	2.604338	4.637307						
2237000	2.523869	5.081226						
2238000	2.495808	4.922361						
2239000	2.547305	4.85126						

2240000	2.529313	4.823026						
2241000	2.429469	5.05119						
2242000	2.549299	4.957851						
2243000	2.44895	4.657314						
2244000	2.567004	4.936041						
2245000	2.638788	4.9607						
2246000	2.618151	5.031563						
2247000	2.570383	5.009576						
2248000	2.612859	5.016375						
2249000	2.703416	4.946696						
2250000	2.527144	4.661614						
2251000	2.553588	4.89049						
2252000	2.585944	4.905369						
2253000	2.584176	5.063817						
2254000	2.506157	4.789853						
2255000	2.543279	4.634379						
2256000	2.621635	4.767097						
2257000	2.492281	4.68131						
2258000	2.526649	5.017208						
2259000	2.483883	5.193871						
2260000	2.383768	4.844591						
2261000	2.485022	4.992456						
2262000	2.484953	4.730291						
2263000	2.561172	4.885155						
2264000	2.507783	5.02869						
2265000	2.465518	4.985206						
2266000	2.509677	5.004285						
2267000	2.465156	4.870635						
2268000	2.461645	4.985216						
2269000	2.520366	5.087815						
2270000	2.417207	4.724142						
2271000	2.442685	4.919319						

2272000	2.384782	4.946174						
2273000	2.609518	4.728417						
2274000	2.554553	5.025617						
2275000	2.714888	4.942682						
2276000	2.547565	4.635252						
2277000	2.482804	4.938249						
2278000	2.570786	4.943734						
2279000	2.571078	4.640627						
2280000	2.418687	4.990474						
2281000	2.553969	4.851586						
2282000	2.345596	4.639949						
2283000	2.523204	4.95539						
2284000	2.978495	4.871873						
2285000	2.94843	4.993619						
2286000	2.941647	4.954739						
2287000	3.035712	4.811464						
2288000	3.007132	4.616558						
2289000	3.002553	4.492349						
2290000	2.909123	5.196852						
2291000	2.927696	5.085309						
2292000	2.840674	5.1873						
2293000	2.860804	5.136484						
2294000	2.940819	4.806284						
2295000	2.847709	5.10931						
2296000	2.768028	4.978064						
2297000	2.781134	4.974811						
2298000	2.778739	4.901048						
2299000	2.744368	5.136236						
2300000	2.618899	5.094787						
2301000	2.672128	4.917325						
2302000	2.556454	5.052642						
2303000	2.606929	5.036634						

2304000	2.695638	5.051622						
2305000	2.777021	5.107372						
2306000	2.905092	4.821431						
2307000	2.893844	5.119895						
2308000	2.824648	4.961023						
2309000	2.790898	4.799682						
2310000	2.810793	4.896948						
2311000	2.897265	4.875669						
2312000	2.794425	4.916044						
2313000	2.774833	4.883827						
2314000	2.82301	4.697883						
2315000	2.827888	4.81729						
2316000	2.903825	4.739704						
2317000	2.7737	4.710196						
2318000	2.902205	4.651744						
2319000	2.794286	4.517314						
2320000	2.874638	5.099848						
2321000	2.82747	5.260991						
2322000	2.706143	5.16724						
2323000	2.825665	4.998027						
2324000	2.812452	5.237558						
2325000	2.770992	4.615863						
2326000	2.849374	5.150378						
2327000	2.763784	5.094946						
2328000	2.669728	4.792685						
2329000	2.7474	5.074261						
2330000	2.664206	4.691573						
2331000	2.747451	4.717893						
2332000	2.782846	4.915287						
2333000	2.817709	5.009127						
2334000	3.314272	5.65654						
2335000	2.919408	4.559164						

2336000	3.208236	4.721911						
2337000	2.74595	4.945001						
2338000	2.786314	4.794632						
2339000	2.790012	4.877924						
2340000	2.737438	4.833542						
2341000	2.752109	4.88328						
2342000	2.719071	4.765889						
2343000	2.702092	5.118273						
2344000	2.661303	5.007816						
2345000	2.6424	4.948542						
2346000	2.880967	4.822424						
2347000	2.770499	4.988531						
2348000	2.740199	5.062425						
2349000	2.891201	4.767682						
2350000	2.869791	4.894559						
2351000	2.872137	5.124535						
2352000	2.759732	4.748496						
2353000	2.826936	5.090101						
2354000	2.899239	4.993888						
2355000	2.797932	4.892421						
2356000	2.731092	4.905758						
2357000	2.863261	5.003913						
2358000	2.806436	4.755129						
2359000	2.919015	4.92982						
2360000	2.895721	4.792166						
2361000	2.761559	4.956867						
2362000	2.92129	4.902503						
2363000	2.790697	4.905343						
2364000	2.779569	4.960048						
2365000	2.892406	4.747647						
2366000	2.750906	4.873305						
2367000	2.816845	5.00255						

2368000	2.836793	4.779125						
2369000	2.70181	4.818106						
2370000	2.806349	4.904956						
2371000	2.839421	4.806003						
2372000	2.675921	4.81241						
2373000	2.836714	4.949259						
2374000	2.727511	4.866828						
2375000	2.812866	4.914404						
2376000	2.822668	4.782161						
2377000	2.921946	4.880801						
2378000	2.844714	4.726098						
2379000	2.921792	4.891173						
2380000	3.028881	4.679105						
2381000	2.907794	4.752459						
2382000	2.959805	4.940835						
2383000	2.870113	4.798086						
2384000	2.741531	4.857965						
2385000	2.844495	4.760986						
2386000	2.790225	4.717211						
2387000	2.762888	4.834616						
2388000	2.834632	5.02661						
2389000	2.831599	5.028578						
2390000	2.856351	4.880267						
2391000	2.833759	4.816026						
2392000	3.001061	4.942116						
2393000	4.596199	4.169916						
2394000	2.291873	4.686805						
2395000	2.673369	4.642079						
2396000	2.564226	4.894771						
2397000	2.590849	4.838692						
2398000	2.610592	4.910423						
2399000	2.546436	4.811864						

2400000	2.556363	4.896607						
2401000	2.583288	4.957795						
2402000	2.580493	4.858594						
2403000	2.613018	5.039691						
2404000	2.477419	4.720202						
2405000	2.542176	5.022775						
2406000	2.611496	5.193196						
2407000	2.608667	4.999653						
2408000	2.555475	5.164988						
2409000	2.567191	5.136388						
2410000	2.623626	5.087783						
2411000	2.533789	4.771289						
2412000	2.585789	4.655531						
2413000	2.584167	4.911786						
2414000	2.524042	4.873398						
2415000	2.56117	4.925868						
2416000	2.606589	4.892252						
2417000	2.674598	4.712631						
2418000	2.480204	4.899642						
2419000	2.690259	5.085579						
2420000	2.604371	4.903341						
2421000	2.578753	4.709955						
2422000	2.442691	5.106469						
2423000	2.679196	5.069518						
2424000	2.491742	4.879009						
2425000	2.483147	4.937139						
2426000	2.495969	5.042285						
2427000	2.473029	4.834322						
2428000	2.367836	4.904659						
2429000	2.464965	5.037853						
2430000	2.451173	5.072398						
2431000	2.396037	5.02264						



2432000	2.545125	4.739809						
2433000	2.520267	5.049629						
2434000	2.56272	4.834001						
2435000	2.528249	5.130851						
2436000	2.52133	4.647256						
2437000	2.520187	5.110465						
2438000	2.620942	4.672554						
2439000	2.516884	4.623132						
2440000	2.600348	4.848246						
2441000	2.577509	4.717318						
2442000	2.558808	4.948428						
2443000	2.579023	4.881248						
2444000	2.550602	4.947208						
2445000	2.500442	4.879247						
2446000	2.618544	4.969332						
2447000	2.640071	4.850634						
2448000	2.618503	4.990942						
2449000	2.581802	5.031672						
2450000	2.532454	5.267193						
2451000	2.270944	4.817396						
2452000	2.431338	5.008961						
2453000	2.529128	4.97006						
2454000	2.547252	5.144815						
2455000	2.526529	4.996134						
2456000	2.5341	5.174863						
2457000	2.538465	5.075898						
2458000	2.580035	5.203066						
2459000	2.899906	5.123125						
2460000	2.810442	4.861621						
2461000	2.863184	4.735032						
2462000	2.903405	4.821332						
2463000	2.846087	4.780109						

2464000	2.928826	4.879426						
2465000	3.064835	4.785404						
2466000	2.943804	4.849369						
2467000	2.941253	4.891489						
2468000	3.008093	4.803945						
2469000	2.933309	4.765505						
2470000	2.820363	5.063525						
2471000	2.866183	4.82264						
2472000	2.756788	4.981562						
2473000	2.789494	4.809696						
2474000	2.670269	4.879723						
2475000	2.709972	4.586082						
2476000	2.674729	4.994082						
2477000	2.824111	4.92871						
2478000	2.739974	4.909067						
2479000	2.824077	5.716404						
2480000	1.966168	4.863132						
2481000	2.819634	4.860587						
2482000	2.790173	4.920923						
2483000	2.87995	4.796543						
2484000	2.798262	4.859276						
2485000	2.822188	4.853185						
2486000	2.851376	4.86936						
2487000	2.85857	4.922959						
2488000	2.872248	4.900876						
2489000	2.821363	4.970543						
2490000	2.841274	4.742339						
2491000	2.667419	5.053346						
2492000	2.879476	5.044263						
2493000	2.546735	4.834913						
2494000	2.718137	4.942118						
2495000	2.611824	4.90953						

2496000	2.811844	4.883812						
2497000	2.813758	5.212915						
2498000	2.797101	4.888769						
2499000	2.790989	5.02729						
2500000	2.843043	4.508121						
2501000	2.723354	5.065793						
2502000	2.827313	4.758692						
2503000	2.827824	4.89728						
2504000	2.794144	4.708305						
2505000	2.760474	4.851149						
2506000	2.860885	4.80857						
2507000	2.969076	4.826617						
2508000	2.925665	4.858669						
2509000	2.817252	5.040797						
2510000	2.879385	5.057732						
2511000	2.889428	4.883432						
2512000	2.731952	4.932258						
2513000	2.638813	4.850473						
2514000	2.578625	4.978973						
2515000	2.702899	4.994982						
2516000	2.704441	4.965734						
2517000	2.780315	5.017322						
2518000	2.646216	5.20662						
2519000	2.893171	4.49976						
2520000	2.717773	4.816443						
2521000	2.895696	4.716994						
2522000	2.735765	5.012049						
2523000	2.637314	4.929581						
2524000	2.831056	5.043494						
2525000	2.825506	4.931515						
2526000	2.749262	5.04137						
2527000	2.621168	4.901645						

2528000	2.652744	5.075737						
2529000	2.77747	4.987262						
2530000	2.767945	4.727592						
2531000	2.822208	4.934681						
2532000	2.754757	4.968571						
2533000	2.755969	4.961128						
2534000	2.721677	4.604519						
2535000	2.872349	4.836424						
2536000	2.74323	4.931157						
2537000	2.799952	4.951652						
2538000	2.709615	5.072449						
2539000	2.852054	4.772836						
2540000	2.812002	5.033256						
2541000	2.664342	4.67142						
2542000	2.640144	4.958837						
2543000	2.663005	4.895078						
2544000	2.753317	5.227061						
2545000	2.756735	4.956811						
2546000	2.701192	5.275129						
2547000	2.783852	5.148508						
2548000	2.800648	4.737768						
2549000	2.826351	4.918928						
2550000	2.705079	4.797307						
2551000	2.802524	4.862217						
2552000	2.662217	5.07418						
2553000	2.799686	4.975471						
2554000	2.718679	4.886896						
2555000	2.650249	4.74706						
2556000	2.701487	4.971218						
2557000	2.614853	5.106338						
2558000	2.629779	5.053611						
2559000	2.569172	5.123741						

2560000	2.638419	4.533354						
2561000	2.590797	4.527486						
2562000	2.739896	4.816888						
2563000	2.79268	4.918337						
2564000	2.66368	5.012823						
2565000	2.807682	4.839382						
2566000	2.544838	4.836471						
2567000	2.553756	5.074835						
2568000	2.645776	4.914425						
2569000	2.779558	4.992018						
2570000	2.775919	5.190195						
2571000	2.596132	4.973161						
2572000	2.740996	4.608213						
2573000	2.763824	5.020627						
2574000	2.780661	4.801072						
2575000	2.710974	4.850347						
2576000	2.604181	5.15347						
2577000	2.47946	4.777036						
2578000	2.634562	4.976201						
2579000	2.712947	5.084966						
2580000	2.534613	4.561118						
2581000	2.619243	5.00425						
2582000	2.798062	4.626933						
2583000	2.755893	4.953876						
2584000	3.16773	4.231257						
2585000	2.708513	4.731595						
2586000	2.733322	4.726301						
2587000	2.750813	4.918868						
2588000	2.730941	4.902622						
2589000	2.651579	4.798948						
2590000	2.664697	4.9593						
2591000	2.664069	5.010982						

2592000	2.7787	4.228742						
2593000	2.665056	4.890127						
2594000	2.727455	4.938437						
2595000	2.726799	4.787981						
2596000	2.662072	4.981713						
2597000	2.593644	4.727234						
2598000	2.435247	5.074372						
2599000	2.634987	4.958997						
2600000	2.706451	5.157773						
2601000	2.680248	4.676484						
2602000	2.674778	4.807963						
2603000	2.626742	4.848545						
2604000	2.755877	5.014548						
2605000	2.658658	4.907881						
2606000	2.597439	4.644967						
2607000	2.548223	5.273874						
2608000	2.630964	6.858016						
2609000	2.489718	4.638653						
2610000	2.652369	4.719699						
2611000	2.733392	4.765007						
2612000	2.690952	4.985563						
2613000	2.777184	5.035954						
2614000	2.600709	4.750637						
2615000	2.678174	4.908868						
2616000	2.722231	4.912176						
2617000	2.611928	5.090946						
2618000	2.720568	4.766545						
2619000	2.742233	4.885627						
2620000	2.712053	4.974497						
2621000	2.763143	4.731165						
2622000	2.688961	5.120522						
2623000	2.620552	4.872915						

2624000	2.705713	5.121853						
2625000	2.62373	4.983949						
2626000	2.732168	4.653711						
2627000	2.784868	4.707053						
2628000	2.710028	4.930201						
2629000	2.785858	4.838532						
2630000	2.817969	4.905657						
2631000	2.75774	4.845809						
2632000	2.621945	4.492615						
2633000	2.559865	5.090084						
2634000	3.029923	4.945413						
2635000	3.077503	5.145665						
2636000	2.926393	5.095414						
2637000	3.181233	4.493305						
2638000	3.047564	4.734036						
2639000	3.15516	4.831369						
2640000	3.215004	4.878159						
2641000	2.91588	4.904863						
2642000	2.851214	4.802892						
2643000	3.053116	4.790832						
2644000	3.131934	5.162191						
2645000	2.949304	5.011642						
2646000	3.098851	4.537783						
2647000	2.959766	4.829638						
2648000	3.013617	4.965168						
2649000	3.031434	4.842176						
2650000	2.940657	4.839096						
2651000	2.911047	4.921795						
2652000	3.018961	4.879612						
2653000	3.095707	5.135743						
2654000	3.088283	4.80519						
2655000	3.005263	4.854513						

2656000	2.779819	4.861849						
2657000	2.78414	4.926163						
2658000	3.006349	4.881534						
2659000	2.744474	4.934281						
2660000	2.926599	4.962173						
2661000	2.799961	4.860325						
2662000	2.88273	4.752989						
2663000	2.862565	4.706417						
2664000	3.022807	4.974838						
2665000	2.923155	5.104731						
2666000	2.828029	4.747305						
2667000	2.745921	4.896793						
2668000	2.853745	5.273982						
2669000	2.821802	4.929404						
2670000	2.823669	4.840532						
2671000	2.829205	4.828735						
2672000	2.944692	4.942262						
2673000	2.870899	5.036901						
2674000	2.789153	4.91147						
2675000	2.91266	4.894154						
2676000	2.876233	4.981042						
2677000	2.816003	4.566559						
2678000	2.822107	4.778633						
2679000	2.922021	5.074578						
2680000	2.870569	5.162972						
2681000	2.757127	4.963561						
2682000	2.867911	4.906601						
2683000	2.867686	5.073202						
2684000	2.820759	4.622761						
2685000	2.727247	4.451899						
2686000	2.744474	4.71332						
2687000	2.731189	5.093641						



2688000	2.7262	4.923681					
2689000	2.841808	4.895975					
2690000	2.849933	5.073641					
2691000	2.769269	4.610282					
2692000	2.839509	4.819557					
2693000	2.749348	4.892934					
2694000	2.532411	4.581552					
2695000	2.576875	5.02167					
2696000	2.876884	5.010633					
2697000	2.792344	5.13008					
2698000	3.140223	4.952443					
2699000	2.805813	4.879634					
2700000	2.726434	4.906167					
2701000	2.642601	4.994542					
2702000	2.707522	5.596836					
2703000	2.508033	4.734167					
2704000	2.753618	4.836629					
2705000	2.755593	4.727121					
2706000	2.573639	4.803304					
2707000	2.7031	4.880629					
2708000	2.660767	5.109631					
2709000	2.665457	4.958212					
2710000	2.717177	4.786119					
2711000	2.764611	5.008946					
2712000	2.730591	4.728364					
2713000	2.739643	4.964318					
2714000	2.691208	4.870019					
2715000	2.582626	5.291424					
2716000	2.741016	5.090707					
2717000	2.755088	4.936161					
2718000	2.676296	4.612535					
2719000	2.579506	4.804321					

2720000	2.788344	5.070398						
2721000	2.59201	4.943105						
2722000	2.656534	4.819383						
2723000	2.801478	5.096019						
2724000	2.704196	4.652603						
2725000	2.681984	4.900092						
2726000	2.705018	4.762311						
2727000	2.605551	4.938464						
2728000	2.451833	4.978125						
2729000	2.538471	5.080091						
2730000	2.70004	4.762959						
2731000	2.6758	4.923753						
2732000	2.348523	5.004613						
2733000	2.634848	5.087559						
2734000	2.641723	4.970338						
2735000	2.608812	4.915025						
2736000	2.658252	5.083494						
2737000	2.638489	4.810166						
2738000	2.81972	4.838626						
2739000	2.639505	4.753861						
2740000	2.570856	4.987714						
2741000	2.750491	4.991						
2742000	2.641029	5.125755						
2743000	2.802858	4.926794						
2744000	2.793519	5.078581						
2745000	2.589798	5.062927						
2746000	2.629121	4.861473						
2747000	2.708754	5.028144						
2748000	2.710291	4.789548						
2749000	2.725218	4.824841						
2750000	2.637499	4.941376						
2751000	2.629652	4.996229						

2752000	2.566443	5.003639						
2753000	2.713049	4.990849						
2754000	2.71565	4.629495						
2755000	2.721835	4.934758						
2756000	2.658106	4.994893						
2757000	2.687648	5.102976						
2758000	2.668757	4.920306						
2759000	2.667228	5.166024						
2760000	2.718015	4.808953						
2761000	2.713355	4.957611						
2762000	2.725505	4.905926						
2763000	2.622631	4.604877						
2764000	2.726341	4.909858						
2765000	2.683563	5.040091						
2766000	2.642184	4.974327						
2767000	2.627214	4.986776						
2768000	2.746987	5.00271						
2769000	2.602014	4.976726						
2770000	2.65243	4.887091						
2771000	2.609543	4.957157						
2772000	2.575731	4.793459						
2773000	2.64538	5.046549						
2774000	2.587992	4.988622						
2775000	2.624056	4.918098						
2776000	2.715711	4.558759						
2777000	2.671924	4.994731						
2778000	2.66736	4.901192						
2779000	2.564523	4.656078						
2780000	2.733998	4.960275						
2781000	2.687455	5.018631						
2782000	2.72726	4.808681						
2783000	2.435297	5.018698						

2784000	2.618004	4.837339						
2785000	2.619947	4.987927						
2786000	2.659467	4.995587						
2787000	2.745178	4.818522						
2788000	2.742044	4.792902						
2789000	2.638019	4.941923						
2790000	2.56391	4.951217						
2791000	2.62817	4.822966						
2792000	2.653012	4.610117						
2793000	2.667788	4.827955						
2794000	2.688173	4.776895						
2795000	2.518757	4.54545						
2796000	2.603262	5.172399						
2797000	2.604497	4.663685						
2798000	2.617374	4.890807						
2799000	2.752995	5.250891						
2800000	2.605792	4.906195						
2801000	2.684831	4.850112						
2802000	2.666899	4.648069						
2803000	2.625223	4.959678						
2804000	2.696887	4.984424						
2805000	2.576263	5.146767						
2806000	2.610549	5.143476						
2807000	2.715703	4.611421						
2808000	2.613728	4.851779						
2809000	3.069242	5.080934						
2810000	2.816593	4.985729						
2811000	2.931075	5.034073						
2812000	2.809821	4.59583						
2813000	2.869013	4.944483						
2814000	2.815143	5.149713						
2815000	2.819058	4.960772						

2816000	2.809739	4.975226						
2817000	2.905669	4.923623						
2818000	3.090249	4.803647						
2819000	3.035428	4.802092						
2820000	3.002967	5.167979						
2821000	2.750658	4.996063						
2822000	2.899974	4.91904						
2823000	2.872888	4.884509						
2824000	2.963493	4.943469						
2825000	2.907158	4.742889						
2826000	2.91482	4.654914						
2827000	2.858944	5.071566						
2828000	2.937634	4.94322						
2829000	2.878871	4.898846						
2830000	2.937005	4.874721						
2831000	3.002069	4.902254						
2832000	2.873931	5.196047						
2833000	2.896928	4.819181						
2834000	2.879552	4.851659						
2835000	2.920265	4.969587						
2836000	2.885595	4.845311						
2837000	2.888391	4.88693						
2838000	2.896832	4.73255						
2839000	2.809543	4.694897						
2840000	2.832531	4.815009						
2841000	2.870395	4.934798						
2842000	2.988449	4.861411						
2843000	2.893637	4.662444						
2844000	2.935083	5.167994						
2845000	2.881143	5.068407						
2846000	2.827904	4.916423						
2847000	2.927681	4.800725						

2848000	2.837746	5.069976						
2849000	2.9032	4.828829						
2850000	2.868086	4.845363						
2851000	2.878435	4.949135						
2852000	2.870905	4.842378						
2853000	2.729702	4.924599						
2854000	2.815472	4.940819						
2855000	2.798329	5.063561						
2856000	2.830712	4.880709						
2857000	2.779467	4.889294						
2858000	2.819521	4.745768						
2859000	2.755493	4.968358						
2860000	2.905702	5.014413						
2861000	2.829594	4.903121						
2862000	2.907481	5.131318						
2863000	2.907979	4.791387						
2864000	2.730307	4.965804						
2865000	2.767816	4.678253						
2866000	2.864686	4.716465						
2867000	2.917776	4.852218						
2868000	2.943417	4.787236						
2869000	2.825882	5.082677						
2870000	2.885539	4.949476						
2871000	2.705482	4.908988						
2872000	2.882242	4.818816						
2873000	3.009991	4.88404						
2874000	2.711663	4.875972						
2875000	2.867963	4.910641						
2876000	2.813579	4.71215						
2877000	2.806695	4.674255						
2878000	2.831829	4.85574						
2879000	2.679568	5.13254						

2880000	2.790467	5.033237						
2881000	2.86931	5.002557						
2882000	2.845034	4.792499						
2883000	2.801747	4.84528						
2884000	2.750619	4.95732						
2885000	2.840235	4.708448						
2886000	2.739087	4.875701						
2887000	2.806439	4.84958						
2888000	2.772006	5.018316						
2889000	2.795209	4.97688						
2890000	2.863962	4.777127						
2891000	2.814676	4.91539						
2892000	2.956493	5.110087						
2893000	2.76458	5.010889						
2894000	2.807079	4.959069						
2895000	2.793166	4.8195						
2896000	2.656265	5.025359						
2897000	2.777013	4.95159						
2898000	2.646475	5.073325						
2899000	2.743482	5.028045						
2900000	2.817386	4.912022						
2901000	2.937953	4.848899						
2902000	2.808856	5.133902						
2903000	2.896741	5.121252						
2904000	2.904721	4.632761						
2905000	2.938598	4.975252						
2906000	2.837383	4.749158						
2907000	2.736966	4.94473						
2908000	2.982535	4.797992						
2909000	2.911179	4.783481						
2910000	2.958244	4.81445						
2911000	2.804642	4.847217						

2912000	2.893489	4.783032						
2913000	2.835722	4.767051						
2914000	3.9466	4.138614						
2915000	2.812522	4.552016						
2916000	3.040321	4.86502						
2917000	2.936404	4.677416						
2918000	2.665853	4.704926						
2919000	2.707203	4.845924						
2920000	2.675467	4.906725						
2921000	2.700846	4.7962						
2922000	2.754085	5.136208						
2923000	2.572687	5.224902						
2924000	2.61263	5.158381						
2925000	2.661975	4.687567						
2926000	2.784696	4.737784						
2927000	2.569865	4.982158						
2928000	2.636045	4.99933						
2929000	2.637223	4.555211						
2930000	2.668677	5.139022						
2931000	2.655092	4.825928						
2932000	2.673887	4.953034						
2933000	2.697618	4.918618						
2934000	2.799524	5.05027						
2935000	2.759754	4.941504						
2936000	2.702382	5.077665						
2937000	2.694165	4.721229						
2938000	2.715828	4.992625						
2939000	2.7194	4.871672						
2940000	2.648341	4.962027						
2941000	2.633718	4.643982						
2942000	2.705382	5.209594						
2943000	2.675326	5.054088						



2944000	2.633651	4.888553						
2945000	2.635419	4.743527						
2946000	2.752307	4.960637						
2947000	2.647376	4.775786						
2948000	2.637344	4.777425						
2949000	2.581182	4.608468						
2950000	2.667001	4.751614						
2951000	2.708777	4.871183						
2952000	2.64149	4.843067						
2953000	2.643521	4.624235						
2954000	2.724598	5.11057						
2955000	2.647831	4.87235						
2956000	2.706168	4.909207						
2957000	2.725891	4.911945						
2958000	2.763821	4.831863						
2959000	2.670184	4.96558						
2960000	2.681868	4.832798						
2961000	2.682964	4.949695						
2962000	2.758455	4.752797						
2963000	2.616601	4.783724						
2964000	2.600334	4.830754						
2965000	2.668303	4.809898						
2966000	2.772882	4.784434						
2967000	2.557699	4.944089						
2968000	2.713553	4.848747						
2969000	2.739124	4.893913						
2970000	2.736742	4.985313						
2971000	2.650196	4.973363						
2972000	2.759572	4.513492						
2973000	2.730392	4.846135						
2974000	2.762946	4.89701						
2975000	2.682117	5.028672						

2976000	2.665807	4.707242						
2977000	2.733781	4.63984						
2978000	2.676979	4.94679						
2979000	2.660254	4.940323						
2980000	2.698368	4.781189						
2981000	2.748581	4.921163						
2982000	2.561369	5.044461						
2983000	2.951807	4.610183						
2984000	2.904031	4.977899						
2985000	2.925456	5.033689						
2986000	2.93656	4.985251						
2987000	2.971723	4.888109						
2988000	2.956509	4.781989						
2989000	2.907303	4.802043						
2990000	2.99255	4.83838						
2991000	2.871917	5.005145						
2992000	2.966054	4.796315						
2993000	2.853084	5.049207						
2994000	2.910682	4.958256						
2995000	2.82203	4.634743						
2996000	2.918474	4.927978						
2997000	2.919472	4.956523						
2998000	2.8521	5.07171						
2999000	2.954698	4.708296						
3000000	2.908267	4.736401						
3001000	2.842343	4.893935						
3002000	2.961562	5.002979						
3003000	2.813655	4.849583						
3004000	2.928655	4.866512						
3005000	2.863946	4.870759						
3006000	2.908469	4.930462						
3007000	2.79568	4.820254						

3008000	3.036593	5.006333						
3009000	2.787052	4.999988						
3010000	2.884562	5.146275						
3011000	2.984876	4.92946						
3012000	2.997163	5.008907						
3013000	2.841147	5.030185						
3014000	2.734643	5.115109						
3015000	2.909126	4.894412						
3016000	2.999498	4.685581						
3017000	2.81482	5.079598						
3018000	2.899355	8.885811						
3019000	2.962382	4.806472						
3020000	2.896507	4.80277						
3021000	2.830872	4.733048						
3022000	2.827199	4.865787						
3023000	2.867131	4.985224						
3024000	2.799235	4.919912						
3025000	2.80616	4.869012						
3026000	2.808476	4.954095						
3027000	2.734554	4.959273						
3028000	2.855038	4.977987						
3029000	2.723955	5.096373						
3030000	2.801999	4.87732						
3031000	2.89783	4.89074						
3032000	2.913061	4.95559						
3033000	2.877791	4.846417						
3034000	2.750301	4.770453						
3035000	2.852486	4.76543						
3036000	2.753366	5.067212						
3037000	2.837026	4.955906						
3038000	2.854902	4.913247						
3039000	2.870317	4.808761						

3040000	2.647243	4.935973						
3041000	2.872689	4.722583						
3042000	2.855883	4.966105						
3043000	2.892426	5.116279						
3044000	2.803255	4.78876						
3045000	2.766123	4.56887						
3046000	2.907289	4.828447						
3047000	2.845693	4.82382						
3048000	2.768003	4.934312						
3049000	2.777061	4.89819						
3050000	2.835182	4.78852						
3051000	2.733036	4.866485						
3052000	2.833861	4.550551						
3053000	2.836723	4.756829						
3054000	2.980069	4.868167						
3055000	2.776181	4.638648						
3056000	2.887183	4.703692						
3057000	2.919166	4.980933						
3058000	2.77931	5.074536						
3059000	2.6161	4.881125						
3060000	2.80914	4.945501						
3061000	2.829021	5.12701						
3062000	2.765632	5.095926						
3063000	2.749081	4.86112						
3064000	2.798755	4.908036						
3065000	2.63974	4.829568						
3066000	2.718334	4.738626						
3067000	2.790207	4.917776						
3068000	2.66551	4.958189						
3069000	2.609757	4.910692						
3070000	2.789616	4.996021						
3071000	2.651017	4.862581						

3072000	2.718253	5.05555						
3073000	2.687183	4.868768						
3074000	2.802601	4.979129						
3075000	2.659052	5.080533						
3076000	2.793256	5.191373						
3077000	2.77381	4.959696						
3078000	2.846365	4.689188						
3079000	2.789236	5.284295						
3080000	2.783408	4.888679						
3081000	2.809257	4.743028						
3082000	2.874325	4.866789						
3083000	2.857152	4.798405						
3084000	2.846453	4.921083						
3085000	2.805186	4.911506						
3086000	2.754056	4.971926						
3087000	2.728986	4.762516						
3088000	2.831072	4.845405						
3089000	2.787761	5.067872						
3090000	2.84742	4.816796						
3091000	2.795972	4.858909						
3092000	2.668074	4.924589						
3093000	2.876321	5.293754						
3094000	2.705789	4.755706						
3095000	2.855476	5.036196						
3096000	2.796086	4.969202						
3097000	2.878104	4.896493						
3098000	2.807778	4.947577						
3099000	2.629381	5.132687						
3100000	2.75874	4.772171						
3101000	2.865484	5.200775						
3102000	2.724574	4.927186						
3103000	2.796036	5.036261						

3104000	2.856553	5.041982						
3105000	2.885001	4.798496						
3106000	2.709175	4.982439						
3107000	2.790349	4.958361						
3108000	2.720727	4.997587						
3109000	2.736272	5.081719						
3110000	2.76251	4.857092						
3111000	2.830301	4.739234						
3112000	2.566466	5.031843						
3113000	2.722419	4.846416						
3114000	2.647152	4.85839						
3115000	2.621221	5.009433						
3116000	2.741539	4.863816						
3117000	2.768678	4.687635						
3118000	2.672921	5.009301						
3119000	2.790076	4.997541						
3120000	2.760744	4.895281						
3121000	2.761944	5.074122						
3122000	2.806602	5.081422						
3123000	2.849022	4.870522						
3124000	2.778803	4.830364						
3125000	2.861393	5.021507						
3126000	2.838143	4.922673						
3127000	2.954552	4.927205						
3128000	2.717927	4.997507						
3129000	2.8132	4.784961						
3130000	2.857905	4.758501						
3131000	2.708199	4.967471						
3132000	2.757178	4.768992						
3133000	2.79637	4.923873						
3134000	2.692751	5.121667						
3135000	2.751464	4.635895						

3136000	2.780595	4.989142						
3137000	2.641171	4.68037						
3138000	2.787772	4.861739						
3139000	3.393749	4.705999						
3140000	2.679031	5.119428						
3141000	2.754435	4.859757						
3142000	2.891149	4.858521						
3143000	2.764727	4.890076						
3144000	2.893157	4.894177						
3145000	2.870528	5.098636						
3146000	2.778292	5.022812						
3147000	2.78237	4.641394						
3148000	2.790585	5.156768						
3149000	2.790908	4.891683						
3150000	2.783274	4.815966						
3151000	2.803994	4.820952						
3152000	2.712536	4.961131						
3153000	2.73341	4.882702						
3154000	2.680402	4.943391						
3155000	2.659941	5.150082						
3156000	2.673442	4.885551						
3157000	2.834956	4.816978						
3158000	3.273634	4.850064						
3159000	3.028301	5.011189						
3160000	3.03777	4.816291						
3161000	3.145305	4.87669						
3162000	2.883924	5.040887						
3163000	3.10084	4.835521						
3164000	3.315924	4.678977						
3165000	2.993061	4.991524						
3166000	3.195615	4.620731						
3167000	3.195636	4.748212						

3168000	3.037452	4.932433						
3169000	3.145126	4.717026						
3170000	3.273127	5.177599						
3171000	3.110406	4.803234						
3172000	3.131205	4.75617						
3173000	3.291742	4.652752						
3174000	3.116561	4.881962						
3175000	3.104685	5.056143						
3176000	3.142105	4.937419						
3177000	3.028601	4.795217						
3178000	3.08344	4.954574						
3179000	3.13153	4.767666						
3180000	3.15432	4.858036						
3181000	2.924852	5.040356						
3182000	2.983792	4.809024						
3183000	2.910126	4.878731						
3184000	2.915131	5.113167						
3185000	2.892312	4.906408						
3186000	2.957913	5.026012						
3187000	2.961761	5.145384						
3188000	2.900166	4.746865						
3189000	2.996632	4.857752						
3190000	2.961486	4.827091						
3191000	2.995552	4.949858						
3192000	2.967426	5.062315						
3193000	2.849194	4.892128						
3194000	2.905802	4.837659						
3195000	3.059604	4.843653						
3196000	2.616004	4.845403						
3197000	2.880472	5.146167						
3198000	2.697498	4.984097						
3199000	2.773091	4.74208						



3200000	2.892703	4.983864						
---------	----------	----------	--	--	--	--	--	--