

table\_3 numerical semigroups generated by primes

Relevant for remark on p12

$p_n$  = the  $n$ -th prime number, i.e.  $p_1=2, p_2=3, \dots$

$f_n$  = frobenius of  $S_n$ , the largest number that cannot be written as a sum of primes  $\geq p_n$

$\pi(3p_n)$  = the number of primes  $\leq 3p_n$

n	$p_n$	$f_n$	$f_n/p_n$	$\pi(3p_n)$	$\pi(3p_n)/n$	$n \cdot n - f$
3	5	9	1,80000	6	2,000000	0
4	7	16	2,28571	8	2,000000	0
5	11	27	2,45455	11	2,200000	-2
6	13	35	2,69231	12	2,000000	1
7	17	49	2,88235	15	2,142857	0
8	19	63	3,31579	16	2,000000	1
9	23	65	2,82609	19	2,111111	16
10	29	85	2,93103	23	2,300000	15
11	31	95	3,06452	24	2,181818	26
12	37	105	2,83784	29	2,416667	39
13	41	121	2,95122	30	2,307692	48
14	43	135	3,13953	31	2,214286	61
15	47	145	3,08511	34	2,266667	80
16	53	169	3,18868	37	2,312500	87
17	59	175	2,96610	40	2,352941	114
18	61	187	3,06557	42	2,333333	137
19	67	203	3,02985	46	2,421053	158
20	71	209	2,94366	47	2,350000	191
21	73	221	3,02740	47	2,238095	220
22	79	253	3,20253	51	2,318182	231
23	83	265	3,19277	53	2,304348	264
24	89	273	3,06742	56	2,333333	303
25	97	289	2,97938	61	2,440000	336
26	101	301	2,98020	62	2,384615	375
27	103	305	2,96117	63	2,333333	424
28	107	319	2,98131	66	2,357143	465
29	109	351	3,22018	66	2,275862	490
30	113	369	3,26549	68	2,266667	531
31	127	387	3,04724	75	2,419355	574
32	131	403	3,07634	77	2,406250	621
33	137	407	2,97080	80	2,424242	682
34	139	425	3,05755	80	2,352941	731
35	149	445	2,98658	86	2,457143	780
36	151	473	3,13245	87	2,416667	823
37	157	485	3,08917	91	2,459459	884
38	163	495	3,03681	93	2,447368	949
39	167	517	3,09581	95	2,435897	1004
40	173	529	3,05780	97	2,425000	1071
41	179	545	3,04469	99	2,414634	1136
42	181	551	3,04420	100	2,380952	1213
43	191	567	2,96859	105	2,441860	1282
44	193	611	3,16580	106	2,409091	1325
45	197	615	3,12183	107	2,377778	1410
46	199	635	3,19095	108	2,347826	1481
47	211	639	3,02844	115	2,446809	1570
48	223	671	3,00897	121	2,520833	1633
49	227	679	2,99119	123	2,510204	1722

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50	229	693	3,02620	124	2,480000	1807
51	233	703	3,01717	125	2,450980	1898
52	239	725	3,03347	127	2,442308	1979
53	241	747	3,09959	128	2,415094	2062
54	251	781	3,11155	133	2,462963	2135
55	257	793	3,08560	136	2,472727	2232
56	263	799	3,03802	138	2,464286	2337
57	269	805	2,99257	139	2,438596	2444
58	271	817	3,01476	141	2,431034	2547
59	277	833	3,00722	145	2,457627	2648
60	281	865	3,07829	146	2,433333	2735
61	283	895	3,16254	146	2,393443	2826
62	293	909	3,10239	151	2,435484	2935
63	307	923	3,00651	157	2,492063	3046
64	311	949	3,05145	158	2,468750	3147
65	313	969	3,09585	159	2,446154	3256
66	317	989	3,11987	161	2,439394	3367
67	331	1007	3,04230	167	2,492537	3482
68	337	1029	3,05341	169	2,485294	3595
69	347	1037	2,98847	175	2,536232	3724
70	349	1053	3,01719	175	2,500000	3847
71	353	1083	3,06799	177	2,492958	3958
72	359	1095	3,05014	180	2,500000	4089
73	367	1127	3,07084	184	2,520548	4202
74	373	1133	3,03753	187	2,527027	4343
75	379	1143	3,01583	189	2,520000	4482
76	383	1165	3,04178	189	2,486842	4611
77	389	1189	3,05656	192	2,493506	4740
78	397	1209	3,04534	195	2,500000	4875
79	401	1225	3,05486	197	2,493671	5016
80	409	1265	3,09291	200	2,500000	5135
81	419	1267	3,02387	204	2,518519	5294
82	421	1271	3,01900	205	2,500000	5453
83	431	1287	2,98608	210	2,530120	5602
84	433	1313	3,03233	211	2,511905	5743
85	439	1333	3,03645	214	2,517647	5892
86	443	1351	3,04966	217	2,523256	6045
87	449	1357	3,02227	217	2,494253	6212
88	457	1369	2,99562	219	2,488636	6375
89	461	1379	2,99132	221	2,483146	6542
90	463	1431	3,09071	221	2,455556	6669
91	467	1435	3,07281	222	2,439560	6846
92	479	1463	3,05428	227	2,467391	7001
93	487	1479	3,03696	232	2,494624	7170
94	491	1495	3,04481	233	2,478723	7341
95	499	1557	3,12024	238	2,505263	7468
96	503	1561	3,10338	239	2,489583	7655
97	509	1561	3,06680	241	2,484536	7848
98	521	1595	3,06142	246	2,510204	8009
99	523	1631	3,11855	247	2,494949	8170
100	541	1649	3,04806	257	2,570000	8351
101	547	1659	3,03291	259	2,564356	8542
102	557	1687	3,02873	263	2,578431	8717
103	563	1691	3,00355	263	2,553398	8918

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104	569	1705	2,99649	266	2,557692	9111
105	571	1739	3,04553	267	2,542857	9286
106	577	1749	3,03120	269	2,537736	9487
107	587	1771	3,01704	274	2,560748	9678
108	593	1781	3,00337	275	2,546296	9883
109	599	1795	2,99666	278	2,550459	10086
110	601	1829	3,04326	279	2,536364	10271
111	607	1859	3,06260	280	2,522523	10462
112	613	1859	3,03263	282	2,517857	10685
113	617	1863	3,01945	283	2,504425	10906
114	619	1895	3,06139	283	2,482456	11101
115	631	1911	3,02853	290	2,521739	11314
116	641	1921	2,99688	293	2,525862	11535
117	643	1935	3,00933	293	2,504274	11754
118	647	1963	3,03400	295	2,500000	11961
119	653	1969	3,01531	297	2,495798	12192
120	659	1989	3,01821	298	2,483333	12411
121	661	2009	3,03933	299	2,471074	12632
122	673	2071	3,07727	306	2,508197	12813
123	677	2071	3,05908	308	2,504065	13058
124	683	2097	3,07028	309	2,491935	13279
125	691	2123	3,07236	312	2,496000	13502
126	701	2133	3,04280	317	2,515873	13743
127	709	2183	3,07898	319	2,511811	13946
128	719	2183	3,03616	325	2,539063	14201
129	727	2201	3,02751	327	2,534884	14440
130	733	2231	3,04366	327	2,515385	14669
131	739	2249	3,04330	330	2,519084	14912
132	743	2249	3,02692	331	2,507576	15175
133	751	2261	3,01065	335	2,518797	15428
134	757	2289	3,02378	337	2,514925	15667
135	761	2337	3,07096	339	2,511111	15888
136	769	2345	3,04941	342	2,514706	16151
137	773	2365	3,05951	344	2,510949	16404
138	787	2387	3,03304	350	2,536232	16657
139	797	2425	3,04266	355	2,553957	16896
140	809	2435	3,00989	360	2,571429	17165
141	811	2439	3,00740	360	2,553191	17442
142	821	2461	2,99756	364	2,563380	17703
143	823	2471	3,00243	365	2,552448	17978
144	827	2501	3,02418	367	2,548611	18235
145	829	2533	3,05549	367	2,531034	18492
146	839	2547	3,03576	368	2,520548	18769
147	853	2561	3,00234	375	2,551020	19048
148	857	2587	3,01867	375	2,533784	19317
149	859	2615	3,04424	375	2,516779	19586
150	863	2619	3,03476	376	2,506667	19881
151	877	2629	2,99772	381	2,523179	20172
152	881	2667	3,02724	382	2,513158	20437
153	883	2691	3,04757	383	2,503268	20718
154	887	2697	3,04059	385	2,500000	21019
155	907	2739	3,01985	397	2,561290	21286
156	911	2773	3,04391	399	2,557692	21563
157	919	2783	3,02829	402	2,560510	21866

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158	929	2839	3,05597	404	2,556962	22125
159	937	2863	3,05550	409	2,572327	22418
160	941	2893	3,07439	410	2,562500	22707
161	947	2899	3,06125	412	2,559006	23022
162	953	2923	3,06716	415	2,561728	23321
163	967	2923	3,02275	419	2,570552	23646
164	971	2947	3,03502	421	2,567073	23949
165	977	2961	3,03071	423	2,563636	24264
166	983	2981	3,03255	424	2,554217	24575
167	991	3005	3,03229	429	2,568862	24884
168	997	3021	3,03009	429	2,553571	25203
169	1009	3033	3,00595	434	2,568047	25528
170	1013	3043	3,00395	435	2,558824	25857
171	1019	3065	3,00785	437	2,555556	26176
172	1021	3107	3,04310	438	2,546512	26477
173	1031	3107	3,01358	442	2,554913	26822
174	1033	3125	3,02517	442	2,540230	27151
175	1039	3155	3,03657	443	2,531429	27470
176	1049	3157	3,00953	446	2,534091	27819
177	1051	3197	3,04186	446	2,519774	28132
178	1061	3205	3,02074	450	2,528090	28479
179	1063	3239	3,04704	451	2,519553	28802
180	1069	3245	3,03555	453	2,516667	29155
181	1087	3263	3,00184	461	2,546961	29498
182	1091	3269	2,99633	462	2,538462	29855
183	1093	3285	3,00549	462	2,524590	30204
184	1097	3339	3,04376	462	2,510870	30517
185	1103	3353	3,03989	465	2,513514	30872
186	1109	3365	3,03427	468	2,516129	31231
187	1117	3401	3,04476	472	2,524064	31568
188	1123	3441	3,06411	474	2,521277	31903
189	1129	3447	3,05314	476	2,518519	32274
190	1151	3481	3,02433	482	2,536842	32619
191	1153	3501	3,03643	483	2,528796	32980
192	1163	3509	3,01720	487	2,536458	33355
193	1171	3537	3,02050	490	2,538860	33712
194	1181	3577	3,02879	496	2,556701	34059
195	1187	3585	3,02022	499	2,558974	34440
196	1193	3621	3,03521	500	2,551020	34795
197	1201	3629	3,02165	503	2,553299	35180
198	1213	3645	3,00495	509	2,570707	35559
199	1217	3667	3,01315	510	2,562814	35934
200	1223	3679	3,00818	511	2,555000	36321
201	1229	3731	3,03580	514	2,557214	36670
202	1231	3743	3,04062	515	2,549505	37061
203	1237	3759	3,03880	518	2,551724	37450
204	1249	3783	3,02882	522	2,558824	37833
205	1259	3811	3,02701	525	2,560976	38214
206	1277	3829	2,99843	531	2,577670	38607
207	1279	3843	3,00469	532	2,570048	39006
208	1283	3859	3,00779	533	2,562500	39405
209	1289	3865	2,99845	536	2,564593	39816
210	1291	3887	3,01084	536	2,552381	40213
211	1297	3893	3,00154	539	2,554502	40628

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212	1301	3901	2,99846	539	2,542453	41043
213	1303	4017	3,08289	540	2,535211	41352
214	1307	4031	3,08416	543	2,537383	41765
215	1319	4033	3,05762	548	2,548837	42192
216	1321	4085	3,09235	548	2,537037	42571
217	1327	4085	3,07837	549	2,529954	43004
218	1361	4125	3,03086	562	2,577982	43399
219	1367	4151	3,03658	565	2,579909	43810
220	1373	4167	3,03496	566	2,572727	44233
221	1381	4205	3,04490	570	2,579186	44636
222	1399	4239	3,03002	574	2,585586	45045
223	1409	4249	3,01561	578	2,591928	45480
224	1423	4267	2,99859	585	2,611607	45909
225	1427	4279	2,99860	587	2,608889	46346
226	1429	4303	3,01120	588	2,601770	46773
227	1433	4321	3,01535	590	2,599119	47208
228	1439	4335	3,01251	590	2,587719	47649
229	1447	4367	3,01797	593	2,589520	48074
230	1451	4379	3,01792	594	2,582609	48521
231	1453	4403	3,03028	595	2,575758	48958
232	1459	4415	3,02605	597	2,573276	49409
233	1471	4427	3,00952	600	2,575107	49862
234	1481	4439	2,99730	603	2,576923	50317
235	1483	4445	2,99730	604	2,570213	50780
236	1487	4495	3,02286	606	2,567797	51201
237	1489	4495	3,01880	607	2,561181	51674
238	1493	4543	3,04287	607	2,550420	52101
239	1499	4555	3,03869	610	2,552301	52566
240	1511	4579	3,03044	615	2,562500	53021
241	1523	4601	3,02101	619	2,568465	53480
242	1531	4631	3,02482	621	2,566116	53933
243	1543	4633	3,00259	624	2,567901	54416
244	1549	4653	3,00387	627	2,569672	54883
245	1553	4681	3,01417	630	2,571429	55344
246	1559	4711	3,02181	632	2,569106	55805
247	1567	4727	3,01659	634	2,566802	56282
248	1571	4753	3,02546	635	2,560484	56751
249	1579	4761	3,01520	639	2,566265	57240
250	1583	4771	3,01390	639	2,556000	57729
251	1597	4797	3,00376	644	2,565737	58204
252	1601	4807	3,00250	647	2,567460	58697
253	1607	4819	2,99876	649	2,565217	59190
254	1609	4833	3,00373	649	2,555118	59683
255	1613	4849	3,00620	650	2,549020	60176
256	1619	4929	3,04447	650	2,539063	60607
257	1621	4949	3,05305	651	2,533074	61100
258	1627	4979	3,06023	653	2,531008	61585
259	1637	4985	3,04520	656	2,532819	62096
260	1657	5015	3,02655	665	2,557692	62585
261	1663	5017	3,01684	667	2,555556	63104
262	1667	5049	3,02879	669	2,553435	63595
263	1669	5073	3,03954	670	2,547529	64096
264	1693	5075	2,99764	678	2,568182	64621
265	1697	5133	3,02475	680	2,566038	65092

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266	1699	5137	3,02354	680	2,556391	65619
267	1709	5181	3,03160	685	2,565543	66108
268	1721	5181	3,01046	687	2,563433	66643
269	1723	5201	3,01857	688	2,557621	67160
270	1733	5217	3,01039	692	2,562963	67683
271	1741	5291	3,03906	693	2,557196	68150
272	1747	5339	3,05610	697	2,562500	68645
273	1753	5345	3,04906	697	2,553114	69184
274	1759	5345	3,03866	699	2,551095	69731
275	1777	5369	3,02138	705	2,563636	70256
276	1783	5369	3,01122	707	2,561594	70807
277	1787	5427	3,03693	708	2,555957	71302
278	1789	5429	3,03466	708	2,546763	71855
279	1801	5487	3,04664	712	2,551971	72354
280	1811	5497	3,03534	717	2,560714	72903
281	1823	5511	3,02304	721	2,565836	73450
282	1831	5547	3,02949	725	2,570922	73977
283	1847	5577	3,01949	732	2,586572	74512
284	1861	5597	3,00752	737	2,595070	75059
285	1867	5603	3,00107	738	2,589474	75622
286	1871	5611	2,99893	738	2,580420	76185
287	1873	5649	3,01602	738	2,571429	76720
288	1877	5695	3,03410	739	2,565972	77249
289	1879	5695	3,03087	739	2,557093	77826
290	1889	5761	3,04976	746	2,572414	78339
291	1901	5761	3,03051	751	2,580756	78920
292	1907	5803	3,04300	753	2,578767	79461
293	1913	5809	3,03659	754	2,573379	80040
294	1931	5825	3,01657	760	2,585034	80611
295	1933	5841	3,02173	760	2,576271	81184
296	1949	5883	3,01847	767	2,591216	81733
297	1951	5915	3,03178	769	2,589226	82294
298	1973	5941	3,01115	777	2,607383	82863
299	1979	5949	3,00606	779	2,605351	83452
300	1987	5975	3,00705	781	2,603333	84025
301	1993	5977	2,99900	781	2,594684	84624
302	1997	5989	2,99900	783	2,592715	85215
303	1999	6003	3,00300	783	2,584158	85806
304	2003	6027	3,00899	784	2,578947	86389
305	2011	6059	3,01293	786	2,577049	86966
306	2017	6077	3,01289	789	2,578431	87559
307	2027	6115	3,01677	793	2,583062	88134
308	2029	6153	3,03253	793	2,574675	88711
309	2039	6157	3,01962	797	2,579288	89324
310	2053	6183	3,01169	802	2,587097	89917
311	2063	6223	3,01648	804	2,585209	90498
312	2069	6223	3,00773	807	2,586538	91121
313	2081	6241	2,99904	811	2,591054	91728
314	2083	6251	3,00096	812	2,585987	92345
315	2087	6295	3,01629	813	2,580952	92930
316	2089	6305	3,01819	814	2,575949	93551
317	2099	6345	3,02287	818	2,580442	94144
318	2111	6349	3,00758	824	2,591195	94775
319	2113	6377	3,01798	825	2,586207	95384

table\_3 numerical semigroups generated by primes

320	2129	6385	2,99906	832	2,600000	96015
321	2131	6407	3,00657	833	2,595016	96634
322	2137	6479	3,03182	834	2,590062	97205
323	2141	6479	3,02616	835	2,585139	97850
324	2143	6531	3,04760	836	2,580247	98445
325	2153	6555	3,04459	838	2,578462	99070
326	2161	6557	3,03424	841	2,579755	99719
327	2179	6615	3,03580	844	2,581040	100314
328	2203	6625	3,00726	854	2,603659	100959
329	2207	6705	3,03806	855	2,598784	101536
330	2213	6705	3,02982	856	2,593939	102195
331	2221	6705	3,01891	859	2,595166	102856
332	2237	6735	3,01073	866	2,608434	103489
333	2239	6743	3,01161	866	2,600601	104146
334	2243	6765	3,01605	867	2,595808	104791
335	2251	6777	3,01066	869	2,594030	105448
336	2267	6799	2,99912	875	2,604167	106097
337	2269	6845	3,01675	876	2,599407	106724
338	2273	6845	3,01144	876	2,591716	107399
339	2281	6853	3,00438	881	2,598820	108068
340	2287	6875	3,00612	882	2,594118	108725
341	2293	6921	3,01832	885	2,595308	109360
342	2297	6943	3,02264	886	2,590643	110021
343	2309	6945	3,00780	890	2,594752	110704
344	2311	6987	3,02337	890	2,587209	111349
345	2333	7009	3,00429	900	2,608696	112016
346	2339	7015	2,99914	902	2,606936	112701
347	2341	7067	3,01880	903	2,602305	113342
348	2347	7067	3,01108	905	2,600575	114037
349	2351	7087	3,01446	906	2,595989	114714
350	2357	7101	3,01273	908	2,594286	115399
351	2371	7117	3,00169	911	2,595442	116084
352	2377	7133	3,00084	914	2,596591	116771
353	2381	7141	2,99916	914	2,589235	117468
354	2383	7173	3,01007	914	2,581921	118143
355	2389	7231	3,02679	916	2,580282	118794
356	2393	7279	3,04179	917	2,575843	119457
357	2399	7279	3,03418	919	2,574230	120170
358	2411	7339	3,04397	924	2,581006	120825
359	2417	7339	3,03641	927	2,582173	121542
360	2423	7339	3,02889	928	2,577778	122261
361	2437	7389	3,03201	932	2,581717	122932
362	2441	7389	3,02704	933	2,577348	123655
363	2447	7389	3,01962	935	2,575758	124380
364	2459	7445	3,02765	938	2,576923	125051
365	2467	7469	3,02756	939	2,572603	125756
366	2473	7521	3,04125	941	2,571038	126435
367	2477	7553	3,04925	941	2,564033	127136
368	2503	7587	3,03116	951	2,584239	127837
369	2521	7597	3,01349	960	2,601626	128564
370	2531	7615	3,00869	965	2,608108	129285
371	2539	7623	3,00236	967	2,606469	130018
372	2543	7675	3,01809	968	2,602151	130709
373	2549	7713	3,02589	970	2,600536	131416

table\_3 numerical semigroups generated by primes

374	2551	7713	3,02352	971	2,596257	132163
375	2557	7755	3,03285	972	2,592000	132870
376	2579	7837	3,03877	981	2,609043	133539
377	2591	7837	3,02470	985	2,612732	134292
378	2593	7837	3,02237	985	2,605820	135047
379	2609	7869	3,01610	989	2,609499	135772
380	2617	7903	3,01987	991	2,607895	136497
381	2621	7921	3,02213	992	2,603675	137240
382	2633	7945	3,01747	997	2,609948	137979
383	2647	7959	3,00680	1003	2,618799	138730
384	2657	7969	2,99925	1006	2,619792	139487
385	2659	7991	3,00527	1006	2,612987	140234
386	2663	8007	3,00676	1006	2,606218	140989
387	2671	8033	3,00749	1009	2,607235	141736
388	2677	8045	3,00523	1010	2,603093	142499
389	2683	8051	3,00075	1011	2,598972	143270
390	2687	8057	2,99851	1013	2,597436	144043
391	2689	8083	3,00595	1013	2,590793	144798
392	2693	8095	3,00594	1014	2,586735	145569
393	2699	8115	3,00667	1018	2,590331	146334
394	2707	8119	2,99926	1021	2,591371	147117
395	2711	8131	2,99926	1022	2,587342	147894
396	2713	8165	3,00958	1022	2,580808	148651
397	2719	8195	3,01398	1023	2,576826	149414
398	2729	8241	3,01979	1027	2,580402	150163
399	2731	8245	3,01904	1028	2,576441	150956
400	2741	8277	3,01970	1031	2,577500	151723
401	2749	8285	3,01382	1035	2,581047	152516
402	2753	8315	3,02034	1035	2,574627	153289
403	2767	8339	3,01373	1042	2,585608	154070
404	2777	8361	3,01080	1045	2,586634	154855
405	2789	8365	2,99928	1047	2,585185	155660
406	2791	8381	3,00287	1048	2,581281	156455
407	2797	8415	3,00858	1051	2,582310	157234
408	2801	8451	3,01714	1051	2,575980	158013
409	2803	8453	3,01570	1051	2,569682	158828
410	2819	8515	3,02057	1057	2,578049	159585
411	2833	8515	3,00565	1059	2,576642	160406
412	2837	8533	3,00775	1060	2,572816	161211
413	2843	8585	3,01970	1063	2,573850	161984
414	2851	8613	3,02105	1066	2,574879	162783
415	2857	8659	3,03080	1067	2,571084	163566
416	2861	8725	3,04963	1069	2,569712	164331
417	2879	8725	3,03057	1075	2,577938	165164
418	2887	8725	3,02217	1077	2,576555	165999
419	2897	8755	3,02209	1082	2,582339	166806
420	2903	8785	3,02618	1085	2,583333	167615
421	2909	8785	3,01994	1087	2,581948	168456
422	2917	8799	3,01646	1091	2,585308	169285
423	2927	8857	3,02597	1094	2,586288	170072
424	2939	8857	3,01361	1097	2,587264	170919
425	2953	8865	3,00203	1103	2,595294	171760
426	2957	8917	3,01556	1106	2,596244	172559
427	2963	8947	3,01957	1107	2,592506	173382



table\_3 numerical semigroups generated by primes

428	2969	8985	3,02627	1108	2,588785	174199
429	2971	9015	3,03433	1108	2,582751	175026
430	2999	9027	3,01000	1116	2,595349	175873
431	3001	9077	3,02466	1118	2,593968	176684
432	3011	9081	3,01594	1122	2,597222	177543
433	3019	9089	3,01060	1125	2,598152	178400
434	3023	9117	3,01588	1127	2,596774	179239
435	3037	9155	3,01449	1130	2,597701	180070
436	3041	9167	3,01447	1130	2,591743	180929
437	3049	9197	3,01640	1133	2,592677	181772
438	3061	9273	3,02940	1138	2,598174	182571
439	3067	9273	3,02348	1140	2,596811	183448
440	3079	9273	3,01169	1144	2,600000	184327
441	3083	9305	3,01816	1146	2,598639	185176
442	3089	9353	3,02784	1147	2,595023	186011
443	3109	9389	3,01994	1154	2,604966	186860
444	3119	9435	3,02501	1158	2,608108	187701
445	3121	9435	3,02307	1158	2,602247	188590
446	3137	9459	3,01530	1163	2,607623	189457
447	3163	9509	3,00632	1175	2,628635	190300
448	3167	9513	3,00379	1177	2,627232	191191
449	3169	9557	3,01578	1177	2,621381	192044
450	3181	9567	3,00754	1181	2,624444	192933
451	3187	9589	3,00879	1183	2,623060	193812
452	3191	9607	3,01065	1183	2,617257	194697
453	3203	9625	3,00500	1185	2,615894	195584
454	3209	9673	3,01433	1188	2,616740	196443
455	3217	9683	3,00995	1192	2,619780	197342
456	3221	9705	3,01304	1193	2,616228	198231
457	3229	9797	3,03407	1195	2,614880	199052
458	3251	9797	3,01353	1203	2,626638	199967
459	3253	9797	3,01168	1203	2,620915	200884
460	3257	9809	3,01167	1205	2,619565	201791
461	3259	9875	3,03007	1205	2,613883	202646
462	3271	9881	3,02079	1210	2,619048	203563
463	3299	9895	2,99939	1220	2,634989	204474
464	3301	9935	3,00969	1221	2,631466	205361
465	3307	9947	3,00786	1222	2,627957	206278
466	3313	9953	3,00423	1225	2,628755	207203
467	3319	9963	3,00181	1227	2,627409	208126
468	3323	9979	3,00301	1228	2,623932	209045
469	3329	10027	3,01202	1229	2,620469	209934
470	3331	10071	3,02342	1229	2,614894	210829
471	3343	10071	3,01256	1231	2,613588	211770
472	3347	10087	3,01374	1233	2,612288	212697
473	3359	10097	3,00595	1236	2,613108	213632
474	3361	10161	3,02321	1237	2,609705	214515
475	3371	10183	3,02077	1242	2,614737	215442
476	3373	10201	3,02431	1242	2,609244	216375
477	3389	10225	3,01711	1248	2,616352	217304
478	3391	10241	3,02005	1249	2,612971	218243
479	3407	10291	3,02055	1253	2,615866	219150
480	3413	10305	3,01934	1254	2,612500	220095
481	3433	10341	3,01223	1262	2,623701	221020

table\_3 numerical semigroups generated by primes

482	3449	10353	3,00174	1270	2,634855	221971
483	3457	10373	3,00058	1272	2,633540	222916
484	3461	10411	3,00809	1272	2,628099	223845
485	3463	10439	3,01444	1272	2,622680	224786
486	3467	10443	3,01211	1274	2,621399	225753
487	3469	10505	3,02825	1274	2,616016	226664
488	3491	10505	3,00917	1281	2,625000	227639
489	3499	10547	3,01429	1283	2,623722	228574
490	3511	10553	3,00570	1288	2,628571	229547
491	3517	10569	3,00512	1288	2,623218	230512
492	3527	10579	2,99943	1290	2,621951	231485
493	3529	10593	3,00170	1290	2,616633	232456
494	3533	10609	3,00283	1292	2,615385	233427
495	3539	10615	2,99943	1295	2,616162	234410
496	3541	10649	3,00734	1295	2,610887	235367
497	3547	10715	3,02086	1298	2,611670	236294
498	3557	10717	3,01293	1302	2,614458	237287
499	3559	10751	3,02079	1302	2,609218	238250
500	3571	10763	3,01400	1306	2,612000	239237
501	3581	10765	3,00614	1310	2,614770	240236
502	3583	10815	3,01842	1310	2,609562	241189
503	3593	10835	3,01559	1312	2,608350	242174
504	3607	10835	3,00388	1315	2,609127	243181
505	3613	10855	3,00443	1317	2,607921	244170
506	3617	10915	3,01769	1318	2,604743	245121
507	3623	10915	3,01270	1322	2,607495	246134
508	3631	10943	3,01377	1325	2,608268	247121
509	3637	10943	3,00880	1327	2,607073	248138
510	3643	10981	3,01427	1327	2,601961	249119
511	3659	11011	3,00929	1332	2,606654	250110
512	3671	11029	3,00436	1336	2,609375	251115
513	3673	11053	3,00926	1336	2,604288	252116
514	3677	11067	3,00979	1337	2,601167	253129
515	3691	11123	3,01355	1342	2,605825	254102
516	3697	11123	3,00866	1344	2,604651	255133
517	3701	11183	3,02162	1345	2,601547	256106
518	3709	11201	3,01995	1348	2,602317	257123
519	3719	11209	3,01398	1350	2,601156	258152
520	3727	11237	3,01503	1355	2,605769	259163
521	3733	11253	3,01447	1356	2,602687	260188
522	3739	11265	3,01284	1357	2,599617	261219
523	3761	11293	3,00266	1364	2,608031	262236
524	3767	11431	3,03451	1366	2,606870	263145
525	3769	11431	3,03290	1366	2,601905	264194
526	3779	11431	3,02487	1370	2,604563	265245
527	3793	11455	3,02004	1373	2,605313	266274
528	3797	11485	3,02476	1374	2,602273	267299
529	3803	11511	3,02682	1376	2,601134	268330
530	3821	11511	3,01256	1381	2,605660	269389
531	3823	11515	3,01203	1382	2,602637	270446
532	3833	11525	3,00678	1387	2,607143	271499
533	3847	11543	3,00052	1390	2,607880	272546
534	3851	11601	3,01246	1392	2,606742	273555
535	3853	11609	3,01298	1392	2,601869	274616

table\_3 numerical semigroups generated by primes

536	3863	11653	3,01657	1394	2,600746	275643
537	3877	11663	3,00825	1398	2,603352	276706
538	3881	11683	3,01031	1399	2,600372	277761
539	3889	11705	3,00977	1400	2,597403	278816
540	3907	11727	3,00154	1407	2,605556	279873
541	3911	11737	3,00102	1408	2,602588	280944
542	3917	11749	2,99949	1409	2,599631	282015
543	3919	11811	3,01378	1409	2,594843	283038
544	3923	11811	3,01071	1409	2,590074	284125
545	3929	11855	3,01731	1412	2,590826	285170
546	3931	11873	3,02035	1413	2,587912	286243
547	3943	11919	3,02283	1418	2,592322	287290
548	3947	11931	3,02280	1421	2,593066	288373
549	3967	11965	3,01613	1425	2,595628	289436
550	3989	12001	3,00852	1434	2,607273	290499
551	4001	12001	2,99950	1438	2,609800	291600
552	4003	12015	3,00150	1439	2,606884	292689
553	4007	12031	3,00250	1440	2,603978	293778
554	4013	12079	3,00997	1441	2,601083	294837
555	4019	12085	3,00697	1444	2,601802	295940
556	4021	12137	3,01840	1444	2,597122	296999
557	4027	12139	3,01440	1446	2,596050	298110
558	4049	12183	3,00889	1453	2,603943	299181
559	4051	12191	3,00938	1454	2,601073	300290
560	4057	12233	3,01528	1457	2,601786	301367
561	4073	12267	3,01178	1460	2,602496	302454
562	4079	12267	3,00735	1461	2,599644	303577
563	4091	12307	3,00831	1467	2,605684	304662
564	4093	12341	3,01515	1468	2,602837	305755
565	4099	12345	3,01171	1470	2,601770	306880
566	4111	12363	3,00730	1473	2,602473	307993
567	4127	12403	3,00533	1478	2,606702	309086
568	4129	12461	3,01792	1478	2,602113	310163
569	4133	12481	3,01984	1479	2,599297	311280
570	4139	12505	3,02126	1482	2,600000	312395
571	4153	12509	3,01204	1487	2,604203	313532
572	4157	12523	3,01251	1487	2,599650	314661
573	4159	12575	3,02356	1488	2,596859	315754
574	4177	12593	3,01484	1496	2,606272	316883
575	4201	12627	3,00571	1505	2,617391	317998
576	4211	12643	3,00237	1508	2,618056	319133
577	4217	12685	3,00806	1511	2,618718	320244
578	4219	12695	3,00901	1512	2,615917	321389
579	4229	12709	3,00520	1514	2,614853	322532
580	4231	12719	3,00615	1515	2,612069	323681
581	4241	12751	3,00660	1519	2,614458	324810
582	4243	12753	3,00566	1519	2,609966	325971
583	4253	12769	3,00235	1522	2,610635	327120
584	4259	12797	3,00470	1523	2,607877	328259
585	4261	12801	3,00422	1524	2,605128	329424
586	4271	12847	3,00796	1527	2,605802	330549
587	4273	12887	3,01591	1527	2,601363	331682
588	4283	12901	3,01214	1531	2,603741	332843
589	4289	12947	3,01865	1532	2,601019	333974

table\_3 numerical semigroups generated by primes

590	4297	12989	3,02281	1533	2,598305	335111
591	4327	13019	3,00878	1546	2,615905	336262
592	4337	13081	3,01614	1551	2,619932	337383
593	4339	13091	3,01705	1551	2,615514	338558
594	4349	13125	3,01794	1554	2,616162	339711
595	4357	13131	3,01377	1556	2,615126	340894
596	4363	13165	3,01742	1556	2,610738	342051
597	4373	13231	3,02561	1560	2,613065	343178
598	4391	13231	3,01321	1567	2,620401	344373
599	4397	13237	3,01046	1570	2,621035	345564
600	4409	13261	3,00771	1572	2,620000	346739
601	4421	13281	3,00407	1576	2,622296	347920
602	4423	13319	3,01130	1577	2,619601	349085
603	4441	13347	3,00540	1581	2,621891	350262
604	4447	13369	3,00630	1585	2,624172	351447
605	4451	13435	3,01842	1585	2,619835	352590
606	4457	13435	3,01436	1586	2,617162	353801
607	4463	13435	3,01031	1587	2,614498	355014
608	4481	13465	3,00491	1593	2,620066	356199
609	4483	13511	3,01383	1593	2,615764	357370
610	4493	13515	3,00801	1598	2,619672	358585
611	4507	13535	3,00311	1601	2,620295	359786
612	4513	13571	3,00709	1603	2,619281	360973
613	4517	13579	3,00620	1603	2,615008	362190
614	4519	13623	3,01461	1604	2,612378	363373
615	4523	13635	3,01459	1605	2,609756	364590
616	4547	13703	3,01364	1612	2,616883	365753
617	4549	13745	3,02154	1612	2,612642	366944
618	4561	13775	3,02017	1616	2,614887	368149
619	4567	13775	3,01620	1620	2,617124	369386
620	4583	13793	3,00960	1625	2,620968	370607
621	4591	13853	3,01743	1629	2,623188	371788
622	4597	13865	3,01610	1631	2,622186	373019
623	4603	13871	3,01347	1633	2,621188	374258
624	4621	13889	3,00563	1637	2,623397	375487
625	4637	13909	2,99957	1644	2,630400	376716
626	4639	13923	3,00129	1645	2,627796	377953
627	4643	13939	3,00215	1646	2,625199	379190
628	4649	13945	2,99957	1648	2,624204	380439
629	4651	14013	3,01290	1648	2,620032	381628
630	4657	14013	3,00902	1650	2,619048	382887
631	4663	14053	3,01373	1650	2,614897	384108
632	4673	14113	3,02012	1654	2,617089	385311
633	4679	14119	3,01753	1656	2,616114	386570
634	4691	14151	3,01663	1659	2,616719	387805
635	4703	14151	3,00893	1663	2,618898	389074
636	4721	14219	3,01186	1667	2,621069	390277
637	4723	14237	3,01440	1667	2,616954	391532
638	4729	14237	3,01057	1669	2,615987	392807
639	4733	14287	3,01859	1670	2,613459	394034
640	4751	14313	3,01263	1675	2,617188	395287
641	4759	14315	3,00798	1675	2,613105	396566
642	4783	14351	3,00042	1683	2,621495	397813
643	4787	14359	2,99958	1683	2,617418	399090

table\_3 numerical semigroups generated by primes

644	4789	14373	3,00125	1683	2,613354	400363
645	4793	14421	3,00876	1684	2,610853	401604
646	4799	14513	3,02417	1686	2,609907	402803
647	4801	14531	3,02666	1687	2,607419	404078
648	4813	14589	3,03117	1693	2,612654	405315
649	4817	14589	3,02865	1695	2,611710	406612
650	4831	14607	3,02360	1698	2,612308	407893
651	4861	14623	3,00823	1708	2,623656	409178
652	4871	14671	3,01191	1710	2,622699	410433
653	4877	14693	3,01271	1713	2,623277	411716
654	4889	14733	3,01350	1717	2,625382	412983
655	4903	14735	3,00530	1720	2,625954	414290
656	4909	14763	3,00733	1723	2,626524	415573
657	4919	14791	3,00691	1728	2,630137	416858
658	4931	14791	2,99959	1733	2,633739	418173
659	4933	14815	3,00324	1734	2,631259	419466
660	4937	14835	3,00486	1734	2,627273	420765
661	4943	14849	3,00405	1737	2,627837	422072
662	4951	14873	3,00404	1740	2,628399	423371
663	4957	14889	3,00363	1742	2,627451	424680
664	4967	14917	3,00322	1746	2,629518	425979
665	4969	14927	3,00402	1746	2,625564	427298
666	4973	14943	3,00483	1746	2,621622	428613
667	4987	14987	3,00521	1752	2,626687	429902
668	4993	14993	3,00280	1753	2,624251	431231
669	4999	15003	3,00120	1754	2,621824	432558
670	5003	15019	3,00200	1754	2,617910	433881
671	5009	15075	3,00958	1756	2,616990	435166
672	5011	15087	3,01078	1757	2,614583	436497
673	5021	15135	3,01434	1759	2,613670	437794
674	5023	15135	3,01314	1759	2,609792	439141
675	5039	15181	3,01270	1765	2,614815	440444
676	5051	15207	3,01069	1770	2,618343	441769
677	5059	15229	3,01028	1772	2,617430	443100
678	5077	15247	3,00315	1777	2,620944	444437
679	5081	15343	3,01968	1779	2,620029	445698
680	5087	15343	3,01612	1780	2,617647	447057
681	5099	15363	3,01294	1786	2,622614	448398
682	5101	15389	3,01686	1787	2,620235	449735
683	5107	15395	3,01449	1790	2,620791	451094
684	5113	15395	3,01095	1792	2,619883	452461
685	5119	15449	3,01797	1793	2,617518	453776
686	5147	15519	3,01515	1803	2,628280	455077
687	5153	15519	3,01164	1805	2,627365	456450
688	5167	15563	3,01200	1810	2,630814	457781
689	5171	15571	3,01122	1811	2,628447	459150
690	5179	15593	3,01081	1812	2,626087	460507
691	5189	15599	3,00617	1815	2,626628	461882
692	5197	15653	3,01193	1818	2,627168	463211
693	5209	15665	3,00730	1821	2,627706	464584
694	5227	15717	3,00689	1830	2,636888	465919
695	5231	15805	3,02141	1831	2,634532	467220
696	5233	15805	3,02026	1831	2,630747	468611
697	5237	15853	3,02711	1831	2,626973	469956

table\_3 numerical semigroups generated by primes

698	5261	15853	3,01331	1840	2,636103	471351
699	5273	15853	3,00645	1846	2,640916	472748
700	5279	15853	3,00303	1847	2,638571	474147
701	5281	15905	3,01174	1847	2,634807	475496
702	5297	16015	3,02341	1852	2,638177	476789
703	5303	16015	3,01999	1854	2,637269	478194
704	5309	16015	3,01658	1857	2,637784	479601
705	5323	16029	3,01127	1859	2,636879	480996
706	5333	16055	3,01050	1862	2,637394	482381
707	5347	16123	3,01534	1865	2,637907	483726
708	5351	16159	3,01981	1865	2,634181	485105
709	5381	16177	3,00632	1879	2,650212	486504
710	5387	16195	3,00631	1879	2,646479	487905
711	5393	16201	3,00408	1879	2,642757	489320
712	5399	16209	3,00222	1883	2,644663	490735
713	5407	16259	3,00703	1884	2,642356	492110
714	5413	16259	3,00369	1887	2,642857	493537
715	5417	16263	3,00222	1888	2,640559	494962
716	5419	16307	3,00923	1889	2,638268	496349
717	5431	16337	3,00810	1891	2,637378	497752
718	5437	16343	3,00589	1892	2,635097	499181
719	5441	16379	3,01029	1893	2,632823	500582
720	5443	16383	3,00992	1893	2,629167	502017
721	5449	16395	3,00881	1895	2,628294	503446
722	5471	16423	3,00183	1901	2,632964	504861
723	5477	16495	3,01169	1904	2,633472	506234
724	5479	16495	3,01059	1905	2,631215	507681
725	5483	16501	3,00948	1906	2,628966	509124
726	5501	16501	2,99964	1912	2,633609	510575
727	5503	16539	3,00545	1912	2,629986	511990
728	5507	16551	3,00545	1913	2,627747	513433
729	5519	16591	3,00616	1916	2,628258	514850
730	5521	16655	3,01666	1917	2,626027	516245
731	5527	16655	3,01339	1919	2,625171	517706
732	5531	16697	3,01880	1919	2,621585	519127
733	5557	16757	3,01548	1928	2,630286	520532
734	5563	16757	3,01222	1929	2,628065	521999
735	5569	16775	3,01221	1933	2,629932	523450
736	5573	16791	3,01292	1933	2,626359	524905
737	5581	16849	3,01899	1935	2,625509	526320
738	5591	16863	3,01610	1938	2,626016	527781
739	5623	16907	3,00676	1944	2,630582	529214
740	5639	16915	2,99965	1950	2,635135	530685
741	5641	16925	3,00035	1951	2,632928	532156
742	5647	16939	2,99965	1954	2,633423	533625
743	5651	16951	2,99965	1955	2,631225	535098
744	5653	16961	3,00035	1955	2,627688	536575
745	5657	17013	3,00742	1956	2,625503	538012
746	5659	17057	3,01414	1956	2,621984	539459
747	5669	17057	3,00882	1960	2,623829	540952
748	5683	17081	3,00563	1967	2,629679	542423
749	5689	17109	3,00738	1968	2,627503	543892
750	5693	17157	3,01370	1969	2,625333	545343
751	5701	17173	3,01228	1971	2,624501	546828

table\_3 numerical semigroups generated by primes

752	5711	17187	3,00946	1974	2,625000	548317
753	5717	17205	3,00945	1975	2,622842	549804
754	5737	17255	3,00767	1983	2,629973	551261
755	5741	17279	3,00975	1983	2,626490	552746
756	5743	17303	3,01289	1983	2,623016	554233
757	5749	17343	3,01670	1985	2,622193	555706
758	5779	17355	3,00311	1993	2,629288	557209
759	5783	17407	3,01003	1994	2,627141	558674
760	5791	17407	3,00587	1996	2,626316	560193
761	5801	17437	3,00586	2002	2,630749	561684
762	5807	17451	3,00517	2004	2,629921	563193
763	5813	17459	3,00344	2005	2,627785	564710
764	5821	17501	3,00653	2007	2,626963	566195
765	5827	17507	3,00446	2010	2,627451	567718
766	5839	17523	3,00103	2015	2,630548	569233
767	5843	17533	3,00068	2016	2,628422	570756
768	5849	17545	2,99966	2017	2,626302	572279
769	5851	17567	3,00239	2018	2,624187	573794
770	5857	17577	3,00102	2019	2,622078	575323
771	5861	17593	3,00171	2022	2,622568	576848
772	5867	17621	3,00341	2024	2,621762	578363
773	5869	17667	3,01022	2024	2,618370	579862
774	5879	17719	3,01395	2027	2,618863	581357
775	5881	17797	3,02619	2027	2,615484	582828
776	5897	17825	3,02272	2032	2,618557	584351
777	5903	17825	3,01965	2033	2,616474	585904
778	5923	17871	3,01722	2039	2,620823	587413
779	5927	17905	3,02092	2039	2,617458	588936
780	5939	17919	3,01717	2043	2,619231	590481
781	5953	17965	3,01781	2047	2,620999	591996
782	5981	18019	3,01271	2057	2,630435	593505
783	5987	18039	3,01303	2059	2,629630	595050
784	6007	18099	3,01298	2065	2,633929	596557
785	6011	18099	3,01098	2065	2,630573	598126
786	6029	18107	3,00332	2072	2,636132	599689
787	6037	18155	3,00729	2074	2,635324	601214
788	6043	18171	3,00695	2077	2,635787	602773
789	6047	18177	3,00595	2079	2,634981	604344
790	6053	18203	3,00727	2081	2,634177	605897
791	6067	18239	3,00626	2085	2,635904	607442
792	6073	18245	3,00428	2087	2,635101	609019
793	6079	18349	3,01842	2090	2,635561	610500
794	6089	18349	3,01347	2093	2,636020	612087
795	6091	18361	3,01445	2094	2,633962	613664
796	6101	18391	3,01442	2097	2,634422	615225
797	6113	18421	3,01341	2101	2,636136	616788
798	6121	18431	3,01111	2103	2,635338	618373
799	6131	18441	3,00783	2106	2,635795	619960
800	6133	18471	3,01174	2107	2,633750	621529
801	6143	18495	3,01074	2110	2,634207	623106
802	6151	18515	3,01008	2114	2,635910	624689
803	6163	18551	3,01006	2117	2,636364	626258
804	6173	18585	3,01069	2120	2,636816	627831
805	6197	18589	2,99968	2127	2,642236	629436

table\_3 numerical semigroups generated by primes

806	6199	18647	3,00807	2128	2,640199	630989
807	6203	18673	3,01032	2128	2,636927	632576
808	6211	18683	3,00805	2129	2,634901	634181
809	6217	18683	3,00515	2130	2,632880	635798
810	6221	18717	3,00868	2131	2,630864	637383
811	6229	18737	3,00803	2133	2,630086	638984
812	6247	18769	3,00448	2138	2,633005	640575
813	6257	18781	3,00160	2141	2,633456	642188
814	6263	18799	3,00160	2143	2,632678	643797
815	6269	18821	3,00223	2146	2,633129	645404
816	6271	18867	3,00861	2146	2,629902	646989
817	6277	18867	3,00574	2146	2,626683	648622
818	6287	18907	3,00732	2148	2,625917	650217
819	6299	18907	3,00159	2149	2,623932	651854
820	6301	18943	3,00635	2150	2,621951	653457
821	6311	18967	3,00539	2154	2,623630	655074
822	6317	18985	3,00538	2155	2,621655	656699
823	6323	18993	3,00380	2156	2,619684	658336
824	6329	19021	3,00537	2158	2,618932	659955
825	6337	19025	3,00221	2160	2,618182	661600
826	6343	19043	3,00221	2161	2,616223	663233
827	6353	19063	3,00063	2164	2,616687	664866
828	6359	19133	3,00881	2166	2,615942	666451
829	6361	19193	3,01729	2168	2,615199	668048
830	6367	19223	3,01916	2169	2,613253	669677
831	6373	19223	3,01632	2169	2,610108	671338
832	6379	19271	3,02101	2170	2,608173	672953
833	6389	19271	3,01628	2174	2,609844	674618
834	6397	19355	3,02564	2176	2,609113	676201
835	6421	19355	3,01433	2184	2,615569	677870
836	6427	19385	3,01618	2186	2,614833	679511
837	6449	19425	3,01209	2191	2,617682	681144
838	6451	19439	3,01333	2191	2,614558	682805
839	6469	19487	3,01237	2197	2,618594	684434
840	6473	19537	3,01823	2198	2,616667	686063
841	6481	19547	3,01605	2204	2,620690	687734
842	6491	19599	3,01941	2209	2,623515	689365
843	6521	19617	3,00828	2219	2,632266	691032
844	6529	19637	3,00766	2222	2,632701	692699
845	6547	19643	3,00031	2225	2,633136	694382
846	6551	19663	3,00153	2225	2,630024	696053
847	6553	19673	3,00214	2225	2,626919	697736
848	6563	19693	3,00061	2228	2,627358	699411
849	6569	19705	2,99970	2230	2,626620	701096
850	6571	19745	3,00487	2231	2,624706	702755
851	6577	19809	3,01186	2233	2,623972	704392
852	6581	19831	3,01337	2234	2,622066	706073
853	6599	19883	3,01303	2240	2,626026	707726
854	6607	19907	3,01302	2243	2,626464	709409
855	6619	19923	3,00997	2246	2,626901	711102
856	6637	19945	3,00512	2250	2,628505	712791
857	6653	19989	3,00451	2255	2,631272	714460
858	6659	20045	3,01021	2258	2,631702	716119
859	6661	20045	3,00931	2259	2,629802	717836



table\_3 numerical semigroups generated by primes

860	6673	20045	3,00390	2263	2,631395	719555
861	6679	20075	3,00569	2266	2,631823	721246
862	6689	20077	3,00149	2269	2,632251	722967
863	6691	20099	3,00389	2270	2,630359	724670
864	6701	20133	3,00448	2272	2,629630	726363
865	6703	20195	3,01283	2273	2,627746	728030
866	6709	20195	3,01014	2276	2,628176	729761
867	6719	20239	3,01220	2280	2,629758	731450
868	6733	20271	3,01069	2284	2,631336	733153
869	6737	20275	3,00950	2285	2,629459	734886
870	6761	20311	3,00414	2291	2,633333	736589
871	6763	20331	3,00621	2292	2,631458	738310
872	6779	20371	3,00502	2296	2,633028	740013
873	6781	20383	3,00590	2297	2,631157	741746
874	6791	20403	3,00442	2302	2,633867	743473
875	6793	20421	3,00618	2302	2,630857	745204
876	6803	20451	3,00617	2306	2,632420	746925
877	6823	20471	3,00029	2310	2,633979	748658
878	6827	20505	3,00352	2312	2,633257	750379
879	6829	20517	3,00439	2313	2,631399	752124
880	6833	20541	3,00615	2313	2,628409	753859
881	6841	20559	3,00526	2316	2,628831	755602
882	6857	20587	3,00233	2321	2,631519	757337
883	6863	20619	3,00437	2321	2,628539	759070
884	6869	20643	3,00524	2323	2,627828	760813
885	6871	20679	3,00961	2324	2,625989	762546
886	6883	20703	3,00785	2327	2,626411	764293
887	6899	20737	3,00580	2330	2,626832	766032
888	6907	20757	3,00521	2333	2,627252	767787
889	6911	20803	3,01013	2334	2,625422	769518
890	6917	20829	3,01128	2337	2,625843	771271
891	6947	20851	3,00144	2344	2,630752	773030
892	6949	20863	3,00230	2344	2,627803	774801
893	6959	20875	2,99971	2347	2,628219	776574
894	6961	20907	3,00345	2348	2,626398	778329
895	6967	20923	3,00316	2351	2,626816	780102
896	6971	20941	3,00402	2352	2,625000	781875
897	6977	20953	3,00315	2354	2,624303	783656
898	6983	20969	3,00286	2356	2,623608	785435
899	6991	20997	3,00343	2358	2,622914	787204
900	6997	21009	3,00257	2360	2,622222	788991
901	7001	21049	3,00657	2361	2,620422	790752
902	7013	21087	3,00684	2367	2,624169	792517
903	7019	21099	3,00598	2367	2,621262	794310
904	7027	21219	3,01964	2370	2,621681	795997
905	7039	21219	3,01449	2373	2,622099	797806
906	7043	21219	3,01278	2374	2,620309	799617
907	7057	21271	3,01417	2380	2,624035	801378
908	7069	21343	3,01924	2384	2,625551	803121
909	7079	21403	3,02345	2387	2,625963	804878
910	7103	21403	3,01323	2391	2,627473	806697
911	7109	21421	3,01322	2395	2,628979	808500
912	7121	21421	3,00814	2397	2,628289	810323
913	7127	21459	3,01094	2399	2,627601	812110

table\_3 numerical semigroups generated by primes

914	7129	21485	3,01375	2400	2,625821	813911
915	7151	21527	3,01035	2406	2,629508	815698
916	7159	21535	3,00810	2407	2,627729	817521
917	7177	21555	3,00334	2417	2,635769	819334
918	7187	21595	3,00473	2419	2,635076	821129
919	7193	21609	3,00417	2422	2,635473	822952
920	7207	21623	3,00028	2429	2,640217	824777
921	7211	21631	2,99972	2429	2,637351	826610
922	7213	21761	3,01691	2429	2,634490	828323
923	7219	21761	3,01441	2431	2,633803	830168
924	7229	21761	3,01024	2434	2,634199	832015
925	7237	21785	3,01023	2435	2,632432	833840
926	7243	21785	3,00773	2437	2,631749	835691
927	7247	21835	3,01297	2439	2,631068	837494
928	7253	21879	3,01654	2441	2,630388	839305
929	7283	21933	3,01153	2450	2,637244	841108
930	7297	22043	3,02083	2455	2,639785	842857
931	7307	22043	3,01670	2457	2,639098	844718
932	7309	22061	3,01833	2457	2,636266	846563
933	7321	22061	3,01339	2461	2,637728	848428
934	7331	22127	3,01828	2463	2,637045	850229
935	7333	22145	3,01991	2464	2,635294	852080
936	7349	22167	3,01633	2470	2,638889	853929
937	7351	22223	3,02313	2471	2,637140	855746
938	7369	22265	3,02144	2477	2,640725	857579
939	7393	22289	3,01488	2487	2,648562	859432
940	7411	22297	3,00864	2490	2,648936	861303
941	7417	22329	3,01052	2491	2,647184	863152
942	7433	22363	3,00861	2498	2,651805	865001
943	7451	22363	3,00134	2502	2,653234	866886
944	7457	22389	3,00241	2504	2,652542	868747
945	7459	22419	3,00563	2504	2,649735	870606
946	7477	22437	3,00080	2508	2,651163	872479
947	7481	22489	3,00615	2510	2,650475	874320
948	7487	22489	3,00374	2512	2,649789	876215
949	7489	22509	3,00561	2512	2,646997	878092
950	7499	22525	3,00373	2515	2,647368	879975
951	7507	22545	3,00320	2517	2,646688	881856
952	7517	22585	3,00452	2521	2,648109	883719
953	7523	22591	3,00292	2522	2,646380	885618
954	7529	22609	3,00292	2524	2,645702	887507
955	7537	22617	3,00080	2524	2,642932	889408
956	7541	22633	3,00133	2527	2,643305	891303
957	7547	22663	3,00292	2529	2,642633	893186
958	7549	22673	3,00344	2530	2,640919	895091
959	7559	22689	3,00159	2532	2,640250	896992
960	7561	22703	3,00265	2533	2,638542	898897
961	7573	22725	3,00079	2538	2,640999	900796
962	7577	22753	3,00290	2540	2,640333	902691
963	7583	22791	3,00554	2542	2,639668	904578
964	7589	22793	3,00343	2543	2,637967	906503
965	7591	22865	3,01212	2544	2,636269	908360
966	7603	22869	3,00789	2548	2,637681	910287
967	7607	22879	3,00762	2550	2,637022	912210

table\_3 numerical semigroups generated by primes

968	7621	22953	3,01181	2553	2,637397	914071
969	7639	22953	3,00471	2557	2,638803	916008
970	7643	22975	3,00602	2558	2,637113	917925
971	7649	22983	3,00471	2560	2,636457	919858
972	7669	23013	3,00078	2565	2,638889	921771
973	7673	23031	3,00156	2567	2,638232	923698
974	7681	23051	3,00104	2572	2,640657	925625
975	7687	23083	3,00286	2575	2,641026	927542
976	7691	23127	3,00702	2577	2,640369	929449
977	7699	23141	3,00572	2579	2,639713	931388
978	7703	23155	3,00597	2580	2,638037	933329
979	7717	23249	3,01270	2583	2,638407	935192
980	7723	23249	3,01036	2585	2,637755	937151
981	7727	23281	3,01294	2586	2,636086	939080
982	7741	23325	3,01318	2591	2,638493	940999
983	7753	23361	3,01316	2593	2,637843	942928
984	7757	23361	3,01160	2594	2,636179	944895
985	7759	23413	3,01753	2594	2,633503	946812
986	7789	23467	3,01284	2604	2,640974	948729
987	7793	23521	3,01822	2606	2,640324	950648
988	7817	23545	3,01203	2610	2,641700	952599
989	7823	23551	3,01048	2611	2,640040	954570
990	7829	23551	3,00817	2612	2,638384	956549
991	7841	23569	3,00587	2614	2,637740	958512
992	7853	23595	3,00458	2619	2,640121	960469
993	7867	23615	3,00178	2625	2,643505	962434
994	7873	23621	3,00025	2627	2,642857	964415
995	7877	23701	3,00889	2630	2,643216	966324
996	7879	23701	3,00812	2631	2,641566	968315
997	7883	23731	3,01040	2631	2,638917	970278
998	7901	23749	3,00582	2637	2,642285	972255
999	7907	23769	3,00607	2638	2,640641	974232
1000	7919	23843	3,01086	2642	2,642000	976157