

Additional information # 1: more on the evolution

s	p	n	s	p	n	n^*	s	p	n	n^*	s	p	n	n^*
1	2	1	43	191	14	1	85	439	354	29	127	709	2,008	140
2	3	1	44	193	24	2	86	443	354	31	128	719	2,141	146
3	5	1	45	197	24	3	87	449	365	32	129	727	2,136	152
4	7	1	46	199	28	5	88	457	369	33	130	733	2,241	160
5	11	2	47	211	30	5	89	461	358	33	131	739	2,354	167
6	13	2	48	223	36	5	90	463	387	34	132	743	2,442	180
7	17	3	49	227	49	5	91	467	413	35	133	751	2,548	182
8	19	3	50	229	44	5	92	479	426	36	134	757	2,649	188
9	23	4	51	233	52	5	93	487	446	37	135	761	2,791	197
10	29	6	52	239	53	5	94	491	454	37	136	769	2,998	204
11	31	4	53	241	55	5	95	499	491	37	137	773	3,017	212
12	37	5	54	251	67	6	96	503	456	38	138	787	3,148	219
13	41	5	55	257	69	6	97	509	490	38	139	797	3,132	229
14	43	9	56	263	72	7	98	521	559	41	140	809	3,385	237
15	47	11	57	269	81	7	99	523	573	43	141	811	3,537	253
16	53	10	58	271	79	7	100	541	594	47	142	821	3,698	258
17	59	12	59	277	85	8	101	547	652	47	143	823	3,914	270
18	61	8	60	281	83	8	102	557	718	50	144	827	4,175	276
19	67	6	61	283	93	8	103	563	757	50	145	829	4,345	283
20	71	11	62	293	81	9	104	569	786	53	146	839	4,360	295
21	73	5	63	307	81	9	105	571	835	55	147	853	4,537	304
22	79	4	64	311	67	9	106	577	839	57	148	857	4,722	317
23	83	6	65	313	66	11	107	587	854	59	149	859	4,862	322
24	89	3	66	317	74	11	108	593	906	63	150	863	4,951	335
25	97	2	67	331	91	12	109	599	916	66	151	877	5,099	348
26	101	1	68	337	88	12	110	601	998	70	152	881	5,228	362
27	103	3	69	347	90	14	111	607	988	73	153	883	5,334	374
28	107	1	70	349	95	15	112	613	1,016	76	154	887	5,460	382
29	109	1	71	353	102	16	113	617	1,078	80	155	907	5,715	397
30	113	3	72	359	126	18	114	619	1,165	83	156	911	5,971	407
31	127	2	73	367	152	19	115	631	1,237	86	157	919	6,366	422
32	131	5	74	373	154	19	116	641	1,295	88	158	929	6,582	432
33	137	6	75	379	166	19	117	643	1,371	92	159	937	6,799	452
34	139	12	76	383	187	20	118	647	1,399	95	160	941	7,006	475
35	149	21	77	389	214	20	119	653	1,523	99	161	947	7,151	485
36	151	19	78	397	206	21	120	659	1,618	103	162	953	7,599	497
37	157	15	79	401	201	21	121	661	1,701	107	163	967	7,920	517
38	163	16	80	409	220	21	122	673	1,773	110	164	971	8,276	537
39	167	24	81	419	241	23	123	677	1,801	118	165	977	8,708	551
40	173	18	82	421	249	25	124	683	1,889	123	166	983	9,086	564
41	179	18	83	431	269	25	125	691	1,885	129	167	991	9,577	582
42	181	17	84	433	320	27	126	701	1,944	134	168	997	9,736	599

Table 7a. Data for $s \leq 168$, using BPSW-pseudoprimalty for $s \geq 110$. Stage 139 is the last known point where the number of primes decreases. (Interestingly enough, just before that happens, $n = 4 * p$, which is the only known – but certainly not the only – example where n is a multiple of p .) As for the column n^* , see Table 7b below.

s	p	n	n^*	s	p	n	n^*	s	p	n	n^*
169	1,009	10,329	616	211	1,297	36,546	2,446	253	1,607	124,407	15,377
170	1,013	10,722	626	212	1,301	37,363	2,531	254	1,609	126,382	16,405
171	1,019	11,048	646	213	1,303	38,018	2,630	255	1,613	128,949	17,617
172	1,021	11,387	674	214	1,307	38,936	2,728	256	1,619	130,732	18,911
173	1,031	11,769	706	215	1,319	39,633	2,851	257	1,621	132,088	20,408
174	1,033	12,251	725	216	1,321	40,152	2,976	258	1,627	133,678	22,152
175	1,039	12,490	754	217	1,327	40,822	3,092	259	1,637	135,308	24,129
176	1,049	12,905	777	218	1,361	42,524	3,218	260	1,657	137,970	26,523
177	1,051	13,209	797	219	1,367	44,138	3,331	261	1,663	141,747	29,375
178	1,061	13,556	828	220	1,373	45,674	3,460	262	1,667	144,129	32,928
179	1,063	13,918	854	221	1,381	47,308	3,594	263	1,669	146,278	37,385
180	1,069	14,393	882	222	1,399	49,203	3,738	264	1,693	150,011	43,015
181	1,087	15,006	915	223	1,409	50,999	3,877	265	1,697	153,719	50,634
182	1,091	15,472	940	224	1,423	53,578	4,023	266	1,699	157,438	61,332
183	1,093	15,695	978	225	1,427	56,009	4,175	267	1,709	160,935	77,471
184	1,097	16,075	1,010	226	1,429	58,245	4,332	268	1,721	164,713	105,433
185	1,103	16,548	1,051	227	1,433	60,614	4,537	269	1,723	168,209	168,209
186	1,109	16,852	1,095	228	1,439	63,012	4,730	270	1,733		
187	1,117	17,548	1,123	229	1,447	65,622	4,892	271	1,741		
188	1,123	17,926	1,160	230	1,451	67,609	5,085	272	1,747		
189	1,129	18,415	1,196	231	1,453	69,411	5,289	273	1,753		
190	1,151	19,145	1,240	232	1,459	71,677	5,484	274	1,759		
191	1,153	19,690	1,273	233	1,471	73,978	5,724	275	1,777		
192	1,163	20,364	1,312	234	1,481	76,816	5,958	276	1,783		
193	1,171	21,154	1,354	235	1,483	78,753	6,186	277	1,787		
194	1,181	21,954	1,411	236	1,487	81,051	6,463	278	1,789		
195	1,187	22,688	1,438	237	1,489	82,647	6,752	279	1,801		
196	1,193	23,528	1,493	238	1,493	84,106	7,086	280	1,811		
197	1,201	24,295	1,533	239	1,499	85,756	7,428	281	1,823		
198	1,213	25,085	1,580	240	1,511	87,469	7,736	282	1,831		
199	1,217	25,717	1,635	241	1,523	90,333	8,099	283	1,847		
200	1,223	26,680	1,698	242	1,531	93,284	8,472	284	1,861		
201	1,229	27,569	1,747	243	1,543	96,279	8,889	285	1,867		
202	1,231	28,242	1,800	244	1,549	99,150	9,321	286	1,871		
203	1,237	28,917	1,858	245	1,553	101,723	9,819	287	1,873		
204	1,249	29,871	1,915	246	1,559	104,560	10,307	288	1,877		
205	1,259	30,707	1,981	247	1,567	107,041	10,828	289	1,879		
206	1,277	31,555	2,045	248	1,571	109,795	11,425	290	1,889		
207	1,279	32,633	2,121	249	1,579	111,912	12,058	291	1,901		
208	1,283	33,494	2,208	250	1,583	114,508	12,771	292	1,907		
209	1,289	34,556	2,284	251	1,597	117,842	13,594	293	1,913		
210	1,291	35,744	2,367	252	1,601	121,087	14,442	294	1,931		

Table 7b. Data for $169 \leq s \leq 294$. n^* stands for the number of surviving branches, backtracked from the primes of stage 294. This number will be subject to change for s larger than ≈ 150 by the time the calculation is taken further since many of them will get cancelled out, so this column only gives a momentary picture. Nevertheless, the rate of decrease for larger s may be of interest in itself.