

<b>*fam7</b>	<b>*fam11</b>	<b>*fam13</b>	<b>*fam17</b>	<b>*fam19</b>	<b>*fam23</b>	<b>*fam29</b>
<b>11 and +30</b>	<b>7 and +30</b>	<b>29 and + 30</b>	<b>1 and + 30</b>	<b>23 and + 30</b>	<b>19 and + 30</b>	<b>13 and + 30</b>
<b>L2 and +7</b>	<b>L2 and + 11</b>	<b>L12 and + 13</b>	<b>L0 and + 17</b>	<b>L14 and +19</b>	<b>L14 and + 23</b>	<b>L12 and + 29</b>

ps	start	sq root	level 17	*fam1 by 1	*fam7 by 7	*fam11 by 11	*fam13 by 13	*fam17 by 17	*fam19 by 19	*fam23 by 23	*fam29 by 29	Factor
17	17	3	0	17	2.43	1.55	1.31	1.00	0.89	0.74	0.59	TRUE
47	17	7	1	47	6.71	4.27	3.62	2.76	2.47	2.04	1.62	FALSE
77	17	9	2	77	11.00	7.00	5.92	4.53	4.05	3.35	2.66	TRUE
107	17	10	3	107	15.29	9.73	8.23	6.29	5.63	4.65	3.69	FALSE
137	17	12	4	137	19.57	12.45	10.54	8.06	7.21	5.96	4.72	FALSE
167	17	13	5	167	23.86	15.18	12.85	9.82	8.79	7.26	5.76	FALSE
197	17	14	6	197	28.14	17.91	15.15	11.59	10.37	8.57	6.79	FALSE
227	17	15	7	227	32.43	20.64	17.46	13.35	11.95	9.87	7.83	FALSE
257	17	16	8	257	36.71	23.36	19.77	15.12	13.53	11.17	8.86	FALSE
287	17	17	9	287	41.00	26.09	22.08	16.88	15.11	12.48	9.90	TRUE
317	17	18	10	317	45.29	28.82	24.38	18.65	16.68	13.78	10.93	FALSE
347	17	19	11	347	49.57	31.55	26.69	20.41	18.26	15.09	11.97	FALSE
377	17	20	12	377	53.86	34.27	29.00	22.18	19.84	16.39	13.00	TRUE
407	17	20	13	407	58.14	37.00	31.31	23.94	21.42	17.70	14.03	TRUE
437	17	21	14	437	62.43	39.73	33.62	25.71	23.00	19.00	15.07	TRUE
467	17	22	15	467	66.71	42.45	35.92	27.47	24.58	20.30	16.10	FALSE
497	17	23	16	497	71.00	45.18	38.23	29.24	26.16	21.61	17.14	TRUE
527	17	23	17	527	75.29	47.91	40.54	31.00	27.74	22.91	18.17	TRUE
557	17	24	18	557	79.57	50.64	42.85	32.76	29.32	24.22	19.21	FALSE
587	17	25	19	587	83.86	53.36	45.15	34.53	30.89	25.52	20.24	FALSE
617	17	25	20	617	88.14	56.09	47.46	36.29	32.47	26.83	21.28	FALSE
647	17	26	21	647	92.43	58.82	49.77	38.06	34.05	28.13	22.31	FALSE
677	17	26	22	677	96.71	61.55	52.08	39.82	35.63	29.43	23.34	FALSE
707	17	27	23	707	101.00	64.27	54.38	41.59	37.21	30.74	24.38	TRUE
737	17	27	24	737	105.29	67.00	56.69	43.35	38.79	32.04	25.41	TRUE
767	17	28	25	767	109.57	69.73	59.00	45.12	40.37	33.35	26.45	TRUE
797	17	29	26	797	113.86	72.45	61.31	46.88	41.95	34.65	27.48	FALSE
827	17	29	27	827	118.14	75.18	63.62	48.65	43.53	35.96	28.52	FALSE
857	17	30	28	857	122.43	77.91	65.92	50.41	45.11	37.26	29.55	FALSE
887	17	30	29	887	126.71	80.64	68.23	52.18	46.68	38.57	30.59	FALSE
917	17	31	30	917	131.00	83.36	70.54	53.94	48.26	39.87	31.62	TRUE
947	17	31	31	947	135.29	86.09	72.85	55.71	49.84	41.17	32.66	FALSE
977	17	32	32	977	139.57	88.82	75.15	57.47	51.42	42.48	33.69	FALSE
1007	17	32	33	1007	143.86	91.55	77.46	59.24	53.00	43.78	34.72	TRUE

<b>*fam7</b>	<b>*fam11</b>	<b>*fam13</b>	<b>*fam17</b>	<b>*fam19</b>	<b>*fam23</b>	<b>*fam29</b>
<b>11 and +30</b>	<b>7 and +30</b>	<b>29 and + 30</b>	<b>1 and + 30</b>	<b>23 and + 30</b>	<b>19 and + 30</b>	<b>13 and + 30</b>
<b>L2 and +7</b>	<b>L2 and + 11</b>	<b>L12 and + 13</b>	<b>L0 and + 17</b>	<b>L14 and +19</b>	<b>L14 and + 23</b>	<b>L12 and + 29</b>

ps	start	sq root	level 17	*fam1	*fam7	*fam11	*fam13	*fam17	*fam19	*fam23	*fam29	Factor
				by 1	by 7	by 11	by 13	by 17	by 19	by 23	by 29	
1037	17	33	34	1037	148.14	94.27	79.77	61.00	54.58	45.09	35.76	TRUE
1067	17	33	35	1067	152.43	97.00	82.08	62.76	56.16	46.39	36.79	TRUE
1097	17	33	36	1097	156.71	99.73	84.38	64.53	57.74	47.70	37.83	FALSE
1127	17	34	37	1127	161.00	102.45	86.69	66.29	59.32	49.00	38.86	TRUE
1157	17	34	38	1157	165.29	105.18	89.00	68.06	60.89	50.30	39.90	TRUE
1187	17	35	39	1187	169.57	107.91	91.31	69.82	62.47	51.61	40.93	FALSE
1217	17	35	40	1217	173.86	110.64	93.62	71.59	64.05	52.91	41.97	FALSE
1247	17	36	41	1247	178.14	113.36	95.92	73.35	65.63	54.22	43.00	TRUE
1277	17	36	42	1277	182.43	116.09	98.23	75.12	67.21	55.52	44.03	FALSE
1307	17	37	43	1307	186.71	118.82	100.54	76.88	68.79	56.83	45.07	FALSE
1337	17	37	44	1337	191.00	121.55	102.85	78.65	70.37	58.13	46.10	TRUE
1367	17	37	45	1367	195.29	124.27	105.15	80.41	71.95	59.43	47.14	FALSE
1397	17	38	46	1397	199.57	127.00	107.46	82.18	73.53	60.74	48.17	TRUE
1427	17	38	47	1427	203.86	129.73	109.77	83.94	75.11	62.04	49.21	FALSE
1457	17	39	48	1457	208.14	132.45	112.08	85.71	76.68	63.35	50.24	FALSE
1487	17	39	49	1487	212.43	135.18	114.38	87.47	78.26	64.65	51.28	FALSE
1517	17	39	50	1517	216.71	137.91	116.69	89.24	79.84	65.96	52.31	FALSE
1547	17	40	51	1547	221.00	140.64	119.00	91.00	81.42	67.26	53.34	TRUE
1577	17	40	52	1577	225.29	143.36	121.31	92.76	83.00	68.57	54.38	TRUE
1607	17	40	53	1607	229.57	146.09	123.62	94.53	84.58	69.87	55.41	FALSE
1637	17	41	54	1637	233.86	148.82	125.92	96.29	86.16	71.17	56.45	FALSE
1667	17	41	55	1667	238.14	151.55	128.23	98.06	87.74	72.48	57.48	FALSE
1697	17	42	56	1697	242.43	154.27	130.54	99.82	89.32	73.78	58.52	FALSE
1727	17	42	57	1727	246.71	157.00	132.85	101.59	90.89	75.09	59.55	TRUE
1757	17	42	58	1757	251.00	159.73	135.15	103.35	92.47	76.39	60.59	TRUE
1787	17	43	59	1787	255.29	162.45	137.46	105.12	94.05	77.70	61.62	FALSE
1817	17	43	60	1817	259.57	165.18	139.77	106.88	95.63	79.00	62.66	TRUE
1847	17	43	61	1847	263.86	167.91	142.08	108.65	97.21	80.30	63.69	FALSE
1877	17	44	62	1877	268.14	170.64	144.38	110.41	98.79	81.61	64.72	FALSE
1907	17	44	63	1907	272.43	173.36	146.69	112.18	100.37	82.91	65.76	FALSE
1937	17	44	64	1937	276.71	176.09	149.00	113.94	101.95	84.22	66.79	TRUE
1967	17	45	65	1967	281.00	178.82	151.31	115.71	103.53	85.52	67.83	TRUE
1997	17	45	66	1997	285.29	181.55	153.62	117.47	105.11	86.83	68.86	FALSE
2027	17	45	67	2027	289.57	184.27	155.92	119.24	106.68	88.13	69.90	FALSE

<b>*fam7</b>	<b>*fam11</b>	<b>*fam13</b>	<b>*fam17</b>	<b>*fam19</b>	<b>*fam23</b>	<b>*fam29</b>
<b>11 and +30</b>	<b>7 and +30</b>	<b>29 and + 30</b>	<b>1 and + 30</b>	<b>23 and + 30</b>	<b>19 and + 30</b>	<b>13 and + 30</b>
<b>L2 and +7</b>	<b>L2 and + 11</b>	<b>L12 and + 13</b>	<b>L0 and + 17</b>	<b>L14 and +19</b>	<b>L14 and + 23</b>	<b>L12 and + 29</b>

ps	start	sq root	level 17	*fam1	*fam7	*fam11	*fam13	*fam17	*fam19	*fam23	*fam29	Factor
				by 1	by 7	by 11	by 13	by 17	by 19	by 23	by 29	
2057	17	46	68	2057	293.86	187.00	158.23	121.00	108.26	89.43	70.93	TRUE
2087	17	46	69	2087	298.14	189.73	160.54	122.76	109.84	90.74	71.97	FALSE
2117	17	46	70	2117	302.43	192.45	162.85	124.53	111.42	92.04	73.00	TRUE
2147	17	47	71	2147	306.71	195.18	165.15	126.29	113.00	93.35	74.03	TRUE
2177	17	47	72	2177	311.00	197.91	167.46	128.06	114.58	94.65	75.07	TRUE
2207	17	47	73	2207	315.29	200.64	169.77	129.82	116.16	95.96	76.10	FALSE
2237	17	48	74	2237	319.57	203.36	172.08	131.59	117.74	97.26	77.14	FALSE
2267	17	48	75	2267	323.86	206.09	174.38	133.35	119.32	98.57	78.17	FALSE
2297	17	48	76	2297	328.14	208.82	176.69	135.12	120.89	99.87	79.21	FALSE
2327	17	49	77	2327	332.43	211.55	179.00	136.88	122.47	101.17	80.24	TRUE
2357	17	49	78	2357	336.71	214.27	181.31	138.65	124.05	102.48	81.28	FALSE
2387	17	49	79	2387	341.00	217.00	183.62	140.41	125.63	103.78	82.31	TRUE
2417	17	50	80	2417	345.29	219.73	185.92	142.18	127.21	105.09	83.34	FALSE
2447	17	50	81	2447	349.57	222.45	188.23	143.94	128.79	106.39	84.38	FALSE
2477	17	50	82	2477	353.86	225.18	190.54	145.71	130.37	107.70	85.41	FALSE
2507	17	50	83	2507	358.14	227.91	192.85	147.47	131.95	109.00	86.45	TRUE
2537	17	51	84	2537	362.43	230.64	195.15	149.24	133.53	110.30	87.48	FALSE
2567	17	51	85	2567	366.71	233.36	197.46	151.00	135.11	111.61	88.52	TRUE
2597	17	51	86	2597	371.00	236.09	199.77	152.76	136.68	112.91	89.55	TRUE
2627	17	52	87	2627	375.29	238.82	202.08	154.53	138.26	114.22	90.59	FALSE
2657	17	52	88	2657	379.57	241.55	204.38	156.29	139.84	115.52	91.62	FALSE
2687	17	52	89	2687	383.86	244.27	206.69	158.06	141.42	116.83	92.66	FALSE
2717	17	53	90	2717	388.14	247.00	209.00	159.82	143.00	118.13	93.69	TRUE
2747	17	53	91	2747	392.43	249.73	211.31	161.59	144.58	119.43	94.72	FALSE
2777	17	53	92	2777	396.71	252.45	213.62	163.35	146.16	120.74	95.76	FALSE
2807	17	53	93	2807	401.00	255.18	215.92	165.12	147.74	122.04	96.79	TRUE
2837	17	54	94	2837	405.29	257.91	218.23	166.88	149.32	123.35	97.83	FALSE
2867	17	54	95	2867	409.57	260.64	220.54	168.65	150.89	124.65	98.86	FALSE
2897	17	54	96	2897	413.86	263.36	222.85	170.41	152.47	125.96	99.90	FALSE
2927	17	55	97	2927	418.14	266.09	225.15	172.18	154.05	127.26	100.93	FALSE
2957	17	55	98	2957	422.43	268.82	227.46	173.94	155.63	128.57	101.97	FALSE
2987	17	55	99	2987	426.71	271.55	229.77	175.71	157.21	129.87	103.00	TRUE
3017	17	55	100	3017	431.00	274.27	232.08	177.47	158.79	131.17	104.03	TRUE
3047	17	56	101	3047	435.29	277.00	234.38	179.24	160.37	132.48	105.07	TRUE

<b>*fam7</b>	<b>*fam11</b>	<b>*fam13</b>	<b>*fam17</b>	<b>*fam19</b>	<b>*fam23</b>	<b>*fam29</b>
<b>11 and +30</b>	<b>7 and +30</b>	<b>29 and + 30</b>	<b>1 and + 30</b>	<b>23 and + 30</b>	<b>19 and + 30</b>	<b>13 and + 30</b>
<b>L2 and +7</b>	<b>L2 and + 11</b>	<b>L12 and + 13</b>	<b>L0 and + 17</b>	<b>L14 and +19</b>	<b>L14 and + 23</b>	<b>L12 and + 29</b>

<b>ps</b>	<b>start</b>	<b>sq root</b>	<b>level 17</b>	<b>*fam1 by 1</b>	<b>*fam7 by 7</b>	<b>*fam11 by 11</b>	<b>*fam13 by 13</b>	<b>*fam17 by 17</b>	<b>*fam19 by 19</b>	<b>*fam23 by 23</b>	<b>*fam29 by 29</b>	<b>Factor</b>
3077	17	56	102	3077	439.57	279.73	236.69	181.00	161.95	133.78	106.10	TRUE
3107	17	56	103	3107	443.86	282.45	239.00	182.76	163.53	135.09	107.14	TRUE
3137	17	56	104	3137	448.14	285.18	241.31	184.53	165.11	136.39	108.17	FALSE
3167	17	57	105	3167	452.43	287.91	243.62	186.29	166.68	137.70	109.21	FALSE
3197	17	57	106	3197	456.71	290.64	245.92	188.06	168.26	139.00	110.24	TRUE
3227	17	57	107	3227	461.00	293.36	248.23	189.82	169.84	140.30	111.28	TRUE
3257	17	57	108	3257	465.29	296.09	250.54	191.59	171.42	141.61	112.31	FALSE
3287	17	58	109	3287	469.57	298.82	252.85	193.35	173.00	142.91	113.34	TRUE
3317	17	58	110	3317	473.86	301.55	255.15	195.12	174.58	144.22	114.38	FALSE
3347	17	58	111	3347	478.14	304.27	257.46	196.88	176.16	145.52	115.41	FALSE
3377	17	59	112	3377	482.43	307.00	259.77	198.65	177.74	146.83	116.45	TRUE
3407	17	59	113	3407	486.71	309.73	262.08	200.41	179.32	148.13	117.48	FALSE
3437	17	59	114	3437	491.00	312.45	264.38	202.18	180.89	149.43	118.52	TRUE
3467	17	59	115	3467	495.29	315.18	266.69	203.94	182.47	150.74	119.55	FALSE
3497	17	60	116	3497	499.57	317.91	269.00	205.71	184.05	152.04	120.59	TRUE
3527	17	60	117	3527	503.86	320.64	271.31	207.47	185.63	153.35	121.62	FALSE
3557	17	60	118	3557	508.14	323.36	273.62	209.24	187.21	154.65	122.66	FALSE
3587	17	60	119	3587	512.43	326.09	275.92	211.00	188.79	155.96	123.69	TRUE
3617	17	61	120	3617	516.71	328.82	278.23	212.76	190.37	157.26	124.72	FALSE
3647	17	61	121	3647	521.00	331.55	280.54	214.53	191.95	158.57	125.76	TRUE
3677	17	61	122	3677	525.29	334.27	282.85	216.29	193.53	159.87	126.79	FALSE
3707	17	61	123	3707	529.57	337.00	285.15	218.06	195.11	161.17	127.83	TRUE
3737	17	62	124	3737	533.86	339.73	287.46	219.82	196.68	162.48	128.86	FALSE
3767	17	62	125	3767	538.14	342.45	289.77	221.59	198.26	163.78	129.90	FALSE
3797	17	62	126	3797	542.43	345.18	292.08	223.35	199.84	165.09	130.93	FALSE
3827	17	62	127	3827	546.71	347.91	294.38	225.12	201.42	166.39	131.97	FALSE
3857	17	63	128	3857	551.00	350.64	296.69	226.88	203.00	167.70	133.00	TRUE
3887	17	63	129	3887	555.29	353.36	299.00	228.65	204.58	169.00	134.03	TRUE
3917	17	63	130	3917	559.57	356.09	301.31	230.41	206.16	170.30	135.07	FALSE
3947	17	63	131	3947	563.86	358.82	303.62	232.18	207.74	171.61	136.10	FALSE
3977	17	63	132	3977	568.14	361.55	305.92	233.94	209.32	172.91	137.14	FALSE
4007	17	64	133	4007	572.43	364.27	308.23	235.71	210.89	174.22	138.17	FALSE
4037	17	64	134	4037	576.71	367.00	310.54	237.47	212.47	175.52	139.21	TRUE
4067	17	64	135	4067	581.00	369.73	312.85	239.24	214.05	176.83	140.24	TRUE