ps	start	sq root	level 11	*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
11	11	3	0	11	1.57	1.00	0.85	0.65	0.58	0.48	0.38	TRUE
41	11	7	1	41	5.86	3.73	3.15	2.41	2.16	1.78	1.41	FALSE
71	11	9	2	71	10.14	6.45	5.46	4.18	3.74	3.09	2.45	FALSE
101	11	10	3	101	14.43	9.18	7.77	5.94	5.32	4.39	3.48	FALSE
131	11	12	4	131	18.71	11.91	10.08	7.71	6.89	5.70	4.52	FALSE
161	11	13	5	161	23.00	14.64	12.38	9.47	8.47	7.00	5.55	TRUE
191	11	14	6	191	27.29	17.36	14.69	11.24	10.05	8.30	6.59	FALSE
221	11	15	7	221	31.57	20.09	17.00	13.00	11.63	9.61	7.62	TRUE
251	11	16	8	251	35.86	22.82	19.31	14.76	13.21	10.91	8.66	FALSE
281	11	17	9	281	40.14	25.55	21.62	16.53	14.79	12.22	9.69	FALSE
311	11	18	10	311	44.43	28.27	23.92	18.29	16.37	13.52	10.72	FALSE
341	11	19	11	341	48.71	31.00	26.23	20.06	17.95	14.83	11.76	TRUE
371	11	20	12	371	53.00	33.73	28.54	21.82	19.53	16.13	12.79	TRUE
401	11	20	13	401	57.29	36.45	30.85	23.59	21.11	17.43	13.83	FALSE
431	11	21	14	431	61.57	39.18	33.15	25.35	22.68	18.74	14.86	FALSE
461	11	22	15	461	65.86	41.91	35.46	27.12	24.26	20.04	15.90	FALSE
491	11	23	16	491	70.14	44.64	37.77	28.88	25.84	21.35	16.93	FALSE
521	11	23	17	521	74.43	47.36	40.08	30.65	27.42	22.65	17.97	FALSE
551	11	24	18	551	78.71	50.09	42.38	32.41	29.00	23.96	19.00	TRUE
581	11	25	19	581	83.00	52.82	44.69	34.18	30.58	25.26	20.03	TRUE
611	11	25	20	611	87.29	55.55	47.00	35.94	32.16	26.57	21.07	TRUE
641	11	26	21	641	91.57	58.27	49.31	37.71	33.74	27.87	22.10	FALSE
671	11	26	22	671	95.86	61.00	51.62	39.47	35.32	29.17	23.14	TRUE
701	11	27	23	701	100.14	63.73	53.92	41.24	36.89	30.48	24.17	FALSE
731	11	27	24	731	104.43	66.45	56.23	43.00	38.47	31.78	25.21	TRUE
761	11	28	25	761	108.71	69.18	58.54	44.76	40.05	33.09	26.24	FALSE
791	11	29	26	791	113.00	71.91	60.85	46.53	41.63	34.39	27.28	TRUE
821	11	29	27	821	117.29	74.64	63.15	48.29	43.21	35.70	28.31	FALSE
851	11	30	28	851	121.57	77.36	65.46	50.06	44.79	37.00	29.34	TRUE
881	11	30	29	881	125.86	80.09	67.77	51.82	46.37	38.30	30.38	FALSE
911	11	31	30	911	130.14	82.82	70.08	53.59	47.95	39.61	31.41	FALSE
941	11	31	31	941	134.43	85.55	72.38	55.35	49.53	40.91	32.45	FALSE
971	11	32	32	971	138.71	88.27	74.69	57.12	51.11	42.22	33.48	FALSE
1001	11	32	33	1001	143.00	91.00	77.00	58.88	52.68	43.52	34.52	TRUE

	*fam7	*fam11	*fam13	*fam17	*fam19	*fam23	*fam29
	23 and +30	1 and +30	17 and + 30	13 and + 30	29 and + 30	7 and + 30	19 and + 30
	L5 and +7	L0 and + 11	L7 an + 13	L7 and + 17	L18 and +19	L5 and + 23	L18 and + 29

ps	start	sq root	level 11	*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
1031	11	33	34	1031	147.29	93.73	79.31	60.65	54.26	44.83	35.55	FALSE
1061	11	33	35	1061	151.57	96.45	81.62	62.41	55.84	46.13	36.59	FALSE
1091	11	33	36	1091	155.86	99.18	83.92	64.18	57.42	47.43	37.62	FALSE
1121	11	34	37	1121	160.14	101.91	86.23	65.94	59.00	48.74	38.66	TRUE
1151	11	34	38	1151	164.43	104.64	88.54	67.71	60.58	50.04	39.69	FALSE
1181	11	35	39	1181	168.71	107.36	90.85	69.47	62.16	51.35	40.72	FALSE
1211	11	35	40	1211	173.00	110.09	93.15	71.24	63.74	52.65	41.76	TRUE
1241	11	36	41	1241	177.29	112.82	95.46	73.00	65.32	53.96	42.79	TRUE
1271	11	36	42	1271	181.57	115.55	97.77	74.76	66.89	55.26	43.83	FALSE
1301	11	37	43	1301	185.86	118.27	100.08	76.53	68.47	56.57	44.86	FALSE
1331	11	37	44	1331	190.14	121.00	102.38	78.29	70.05	57.87	45.90	TRUE
1361	11	37	45	1361	194.43	123.73	104.69	80.06	71.63	59.17	46.93	FALSE
1391	11	38	46	1391	198.71	126.45	107.00	81.82	73.21	60.48	47.97	TRUE
1421	11	38	47	1421	203.00	129.18	109.31	83.59	74.79	61.78	49.00	TRUE
1451	11	39	48	1451	207.29	131.91	111.62	85.35	76.37	63.09	50.03	FALSE
1481	11	39	49	1481	211.57	134.64	113.92	87.12	77.95	64.39	51.07	FALSE
1511	11	39	50	1511	215.86	137.36	116.23	88.88	79.53	65.70	52.10	FALSE
1541	11	40	51	1541	220.14	140.09	118.54	90.65	81.11	67.00	53.14	TRUE
1571	11	40	52	1571	224.43	142.82	120.85	92.41	82.68	68.30	54.17	FALSE
1601	11	40	53	1601	228.71	145.55	123.15	94.18	84.26	69.61	55.21	FALSE
1631	11	41	54	1631	233.00	148.27	125.46	95.94	85.84	70.91	56.24	TRUE
1661	11	41	55	1661	237.29	151.00	127.77	97.71	87.42	72.22	57.28	TRUE
1691	11	42	56	1691	241.57	153.73	130.08	99.47	89.00	73.52	58.31	TRUE
1721	11	42	57	1721	245.86	156.45	132.38	101.24	90.58	74.83	59.34	FALSE
1751	11	42	58	1751	250.14	159.18	134.69	103.00	92.16	76.13	60.38	TRUE
1781	11	43	59	1781	254.43	161.91	137.00	104.76	93.74	77.43	61.41	TRUE
1811	11	43	60	1811	258.71	164.64	139.31	106.53	95.32	78.74	62.45	FALSE
1841	11	43	61	1841	263.00	167.36	141.62	108.29	96.89	80.04	63.48	TRUE
1871	11	44	62	1871	267.29	170.09	143.92	110.06	98.47	81.35	64.52	FALSE
1901	11	44	63	1901	271.57	172.82	146.23	111.82	100.05	82.65	65.55	FALSE
1931	11	44	64	1931	275.86	175.55	148.54	113.59	101.63	83.96	66.59	FALSE
1961	11	45	65	1961	280.14	178.27	150.85	115.35	103.21	85.26	67.62	FALSE
1991	11	45	66	1991	284.43	181.00	153.15	117.12	104.79	86.57	68.66	TRUE
2021	11	45	67	2021	288.71	183.73	155.46	118.88	106.37	87.87	69.69	FALSE

*fam7	*fam11	*fam13	*fam17	*fam19	*fam23	*fam29
23 and +30	1 and +30	17 and + 30	13 and + 30	29 and + 30	7 and + 30	19 and + 30
L5 and +7	L0 and + 11	L7 an + 13	L7 and + 17	L18 and +19	L5 and + 23	L18 and + 29

| | | | | *fam1 | *fam7 | *fam11 | *fam13 | *fam17 | *fam19 | *fam23 | *fam29 | |
ps	start	sq root	level 11	by 1	by 7	by 11	by 13	by 17	by 19	by 23	by 29	Factor
2051	11	46	68	2051	293.00	186.45	157.77	120.65	107.95	89.17	70.72	TRUE
2081	11	46	69	2081	297.29	189.18	160.08	122.41	109.53	90.48	71.76	FALSE
2111	11	46	70	2111	301.57	191.91	162.38	124.18	111.11	91.78	72.79	FALSE
2141	11	47	71	2141	305.86	194.64	164.69	125.94	112.68	93.09	73.83	FALSE
2171	11	47	72	2171	310.14	197.36	167.00	127.71	114.26	94.39	74.86	TRUE
2201	11	47	73	2201	314.43	200.09	169.31	129.47	115.84	95.70	75.90	FALSE
2231	11	48	74	2231	318.71	202.82	171.62	131.24	117.42	97.00	76.93	TRUE
2261	11	48	75	2261	323.00	205.55	173.92	133.00	119.00	98.30	77.97	TRUE
2291	11	48	76	2291	327.29	208.27	176.23	134.76	120.58	99.61	79.00	TRUE
2321	11	49	77	2321	331.57	211.00	178.54	136.53	122.16	100.91	80.03	TRUE
2351	11	49	78	2351	335.86	213.73	180.85	138.29	123.74	102.22	81.07	FALSE
2381	11	49	79	2381	340.14	216.45	183.15	140.06	125.32	103.52	82.10	FALSE
2411	11	50	80	2411	344.43	219.18	185.46	141.82	126.89	104.83	83.14	FALSE
2441	11	50	81	2441	348.71	221.91	187.77	143.59	128.47	106.13	84.17	FALSE
2471	11	50	82	2471	353.00	224.64	190.08	145.35	130.05	107.43	85.21	TRUE
2501	11	50	83	2501	357.29	227.36	192.38	147.12	131.63	108.74	86.24	FALSE
2531	11	51	84	2531	361.57	230.09	194.69	148.88	133.21	110.04	87.28	FALSE
2561	11	51	85	2561	365.86	232.82	197.00	150.65	134.79	111.35	88.31	TRUE
2591	11	51	86	2591	370.14	235.55	199.31	152.41	136.37	112.65	89.34	FALSE
2621	11	52	87	2621	374.43	238.27	201.62	154.18	137.95	113.96	90.38	FALSE
2651	11	52	88	2651	378.71	241.00	203.92	155.94	139.53	115.26	91.41	TRUE
2681	11	52	89	2681	383.00	243.73	206.23	157.71	141.11	116.57	92.45	TRUE
2711	11	53	90	2711	387.29	246.45	208.54	159.47	142.68	117.87	93.48	FALSE
2741	11	53	91	2741	391.57	249.18	210.85	161.24	144.26	119.17	94.52	FALSE
2771	11	53	92	2771	395.86	251.91	213.15	163.00	145.84	120.48	95.55	TRUE
2801	11	53	93	2801	400.14	254.64	215.46	164.76	147.42	121.78	96.59	FALSE
2831	11	54	94	2831	404.43	257.36	217.77	166.53	149.00	123.09	97.62	TRUE
2861	11	54	95	2861	408.71	260.09	220.08	168.29	150.58	124.39	98.66	FALSE
2891	11	54	96	2891	413.00	262.82	222.38	170.06	152.16	125.70	99.69	TRUE
2921	11	55	97	2921	417.29	265.55	224.69	171.82	153.74	127.00	100.72	TRUE
2951	11	55	98	2951	421.57	268.27	227.00	173.59	155.32	128.30	101.76	TRUE
2981	11	55	99	2981	425.86	271.00	229.31	175.35	156.89	129.61	102.79	TRUE
3011	11	55	100	3011	430.14	273.73	231.62	177.12	158.47	130.91	103.83	FALSE
3041	11	56	101	3041	434.43	276.45	233.92	178.88	160.05	132.22	104.86	FALSE

*fam7	*fam11	*fam13	*fam17	*fam19	*fam23	*fam29
23 and +30	1 and +30	17 and + 30	13 and + 30	29 and + 30	7 and + 30	19 and + 30
L5 and +7	L0 and + 11	L7 an + 13	L7 and + 17	L18 and +19	L5 and + 23	L18 and + 29

ps	start	sq root	level 11	*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
3071	11	56	102	3071	438.71	279.18	236.23	180.65	161.63	133.52	105.90	FALSE
3101	11	56	103	3101	**443.00**	281.91	238.54	182.41	163.21	134.83	106.93	TRUE
3131	11	56	104	3131	447.29	284.64	240.85	184.18	164.79	136.13	107.97	FALSE
3161	11	57	105	3161	451.57	287.36	243.15	185.94	166.37	137.43	**109.00**	TRUE
3191	11	57	106	3191	455.86	290.09	245.46	187.71	167.95	138.74	110.03	FALSE
3221	11	57	107	3221	460.14	292.82	247.77	189.47	169.53	140.04	111.07	FALSE
3251	11	57	108	3251	464.43	295.55	250.08	191.24	171.11	141.35	112.10	FALSE
3281	11	58	109	3281	468.71	298.27	252.38	**193.00**	172.68	142.65	113.14	TRUE
3311	11	58	110	3311	**473.00**	**301.00**	254.69	194.76	174.26	143.96	114.17	TRUE
3341	11	58	111	3341	477.29	303.73	**257.00**	196.53	175.84	145.26	115.21	TRUE
3371	11	59	112	3371	481.57	306.45	259.31	198.29	177.42	146.57	116.24	FALSE
3401	11	59	113	3401	485.86	309.18	261.62	200.06	**179.00**	147.87	117.28	TRUE
3431	11	59	114	3431	490.14	311.91	263.92	201.82	180.58	149.17	118.31	FALSE
3461	11	59	115	3461	494.43	314.64	266.23	203.59	182.16	150.48	119.34	FALSE
3491	11	60	116	3491	498.71	317.36	268.54	205.35	183.74	151.78	120.38	FALSE
3521	11	60	117	3521	**503.00**	320.09	270.85	207.12	185.32	153.09	121.41	TRUE
3551	11	60	118	3551	507.29	322.82	273.15	208.88	186.89	154.39	122.45	FALSE
3581	11	60	119	3581	511.57	325.55	275.46	210.65	188.47	155.70	123.48	FALSE
3611	11	61	120	3611	515.86	328.27	277.77	212.41	190.05	**157.00**	124.52	TRUE
3641	11	61	121	3641	520.14	**331.00**	280.08	214.18	191.63	158.30	125.55	TRUE
3671	11	61	122	3671	524.43	333.73	282.38	215.94	193.21	159.61	126.59	FALSE
3701	11	61	123	3701	528.71	336.45	284.69	217.71	194.79	160.91	127.62	FALSE
3731	11	62	124	3731	**533.00**	339.18	**287.00**	219.47	196.37	162.22	128.66	TRUE
3761	11	62	125	3761	537.29	341.91	289.31	221.24	197.95	163.52	129.69	FALSE
3791	11	62	126	3791	541.57	344.64	291.62	**223.00**	199.53	164.83	130.72	TRUE
3821	11	62	127	3821	545.86	347.36	293.92	224.76	201.11	166.13	131.76	FALSE
3851	11	63	128	3851	550.14	350.09	296.23	226.53	202.68	167.43	132.79	FALSE
3881	11	63	129	3881	554.43	352.82	298.54	228.29	204.26	168.74	133.83	FALSE
3911	11	63	130	3911	558.71	355.55	300.85	230.06	205.84	170.04	134.86	FALSE
3941	11	63	131	3941	**563.00**	358.27	303.15	231.82	207.42	171.35	135.90	TRUE
3971	11	63	132	3971	567.29	**361.00**	305.46	233.59	**209.00**	172.65	136.93	TRUE
4001	11	64	133	4001	571.57	363.73	307.77	235.35	210.58	173.96	137.97	FALSE
4031	11	64	134	4031	575.86	366.45	310.08	237.12	212.16	175.26	**139.00**	TRUE
4061	11	64	135	4061	580.14	369.18	312.38	238.88	213.74	176.57	140.03	FALSE