*fam7	*fam11	*fam13	*fam17	*fam19	*fam23	*fam29
7 and +30	29 and +30	13 and + 30	17 and + 30	1 and + 30	23 and + 30	11 and + 30
L1 and +7	L10 and + 11	L5 and + 13	L9 and + 17	L0 and +19	L17 and + 23	L10 and + 29

				1	*fam1	*fam7	*fam11	*fam13	*fam17	*fam19	*fam23	*fam29	
os	:	start	sq root	level 19	by 1	by 7	by 11	by 13	by 17	by 19	by 23	by 29	Factor
	19	19	3	0	19	2.71	1.73	1.46	1.12	1.00	0.83	0.66	TRU
	49	19	7	1	49	7.00	4.45	3.77	2.88	2.58	2.13	1.69	TRUI
	79	19	9	2	79	11.29	7.18	6.08	4.65	4.16	3.43	2.72	FALS
	109	19	10	3	109	15.57	9.91	8.38	6.41	5.74	4.74	3.76	FALS
	139	19	12	4	139	19.86	12.64	10.69	8.18	7.32	6.04	4.79	FALS
	169	19	13	5	169	24.14	15.36	13.00	9.94	8.89	7.35	5.83	TRU
	199	19	14	6	199	28.43	18.09	15.31	11.71	10.47	8.65	6.86	FALS
	229	19	15	7	229	32.71	20.82	17.62	13.47	12.05	9.96	7.90	FALS
	259	19	16	8	259	37.00	23.55	19.92	15.24	13.63	11.26	8.93	TRU
	289	19	17	9	289	41.29	26.27	22.23	17.00	15.21	12.57	9.97	TRU
	319	19	18	10	319	45.57	29.00	24.54	18.76	16.79	13.87	11.00	TRU
	349	19	19	11	349	49.86	31.73	26.85	20.53	18.37	15.17	12.03	FALS
	379	19	20	12	379	54.14	34.45	29.15	22.29	19.95	16.48	13.07	FALS
	409	19	20	13	409	58.43	37.18	31.46	24.06	21.53	17.78	14.10	FALS
	439	19	21	14	439	62.71	39.91	33.77	25.82	23.11	19.09	15.14	FALS
	469	19	22	15	469	67.00	42.64	36.08	27.59	24.68	20.39	16.17	TRU
	499	19	23	16	499	71.29	45.36	38.38	29.35	26.26	21.70	17.21	FALS
	529	19	23	17	529	75.57	48.09	40.69	31.12	27.84	23.00	18.24	TRU
	559	19	24	18	559	79.86	50.82	43.00	32.88	29.42	24.30	19.28	TRU
	589	19	25	19	589	84.14	53.55	45.31	34.65	31.00	25.61	20.31	TRU
	619	19	25	20	619	88.43	56.27	47.62	36.41	32.58	26.91	21.34	FALS
	649	19	26	21	649	92.71	59.00	49.92	38.18	34.16	28.22	22.38	TRU
	679	19	26	22	679	97.00	61.73	52.23	39.94	35.74	29.52	23.41	TRU
	709	19	27	23	709	101.29	64.45	54.54	41.71	37.32	30.83	24.45	FALS
	739	19	27	24	739	105.57	67.18	56.85	43.47	38.89	32.13	25.48	FALS
	769	19	28	25	769	109.86	69.91	59.15	45.24	40.47	33.43	26.52	FALS
	799	19	29	26	799	114.14	72.64	61.46	47.00	42.05	34.74	27.55	TRU
	829	19	29	27	829	118.43	75.36	63.77	48.76	43.63	36.04	28.59	FAL
	859	19	30	28	859	122.71	78.09	66.08	50.53	45.21	37.35	29.62	FAL
	889	19	30	29	889	127.00	80.82	68.38	52.29	46.79	38.65	30.66	TRU
	919	19	31	30	919	131.29	83.55	70.69	54.06	48.37	39.96	31.69	FALS
	949	19	31	31	949	135.57	86.27	73.00	55.82	49.95	41.26	32.72	TRU
	979	19	32	32	979	139.86	89.00	75.31	57.59	51.53	42.57	33.76	TRU
1	009	19	32	33	1009	144.14	91.73	77.62	59.35	53.11	43.87	34.79	FALS

*fam7	*fam11	*fam13	*fam17	*fam19	*fam23	*fam29
7 and +30	29 and +30	13 and + 30	17 and + 30	1 and + 30	23 and + 30	11 and + 30
L1 and +7	L10 and + 11	L5 and + 13	L9 and + 17	L0 and +19	L17 and + 23	L10 and + 29

					*fam1	*fam7	*fam11	*fam13	*fam17	*fam19	*fam23	*fam29	
ps			_	level 19		by 7	by 11	by 13	by 17	by 19	by 23	by 29	Factor
	1039	19	33	1			94.45		61.12	54.68			FALS
1	1069	19	33	35	1069	152.71	97.18	82.23	62.88	56.26	46.48		FALS
1	1099	19	33	36	1099	157.00	99.91	84.54	64.65	57.84	47.78	37.90	TRU
1	1129	19	34	37	1129	161.29	102.64	86.85	66.41	59.42	49.09	38.93	FALS
1	1159	19	34	38	1159	165.57	105.36	89.15	68.18	61.00	50.39	39.97	TRU
1	1189	19	35	39	1189	169.86	108.09	91.46	69.94	62.58	51.70	41.00	TRU
1	1219	19	35	40	1219	174.14	110.82		71.71	64.16	53.00	42.03	TRU
1	1249	19	36	41	1249	178.43	113.55	96.08	73.47	65.74	54.30	43.07	FALS
1	1279	19	36	42	1279	182.71	116.27	98.38	75.24	67.32	55.61	44.10	FALS
1	1309	19	37	43	1309	187.00	119.00	100.69	77.00	68.89	56.91	45.14	TRU
1	1339	19	37	44	1339	191.29	121.73	103.00	78.76	70.47	58.22	46.17	TRU
1	1369	19	37	45	1369	195.57	124.45	105.31	80.53	72.05	59.52	47.21	FALS
1	1399	19	38	46	1399	199.86	127.18	107.62	82.29	73.63	60.83	48.24	FAL
1	1429	19	38	47	1429	204.14	129.91	109.92	84.06	75.21	62.13	49.28	FAL
1	1459	19	39	48	1459	208.43	132.64	112.23	85.82	76.79	63.43	50.31	FAL
1	1489	19	39	49	1489	212.71	135.36	114.54	87.59	78.37	64.74	51.34	FAL
1	1519	19	39	50	1519	217.00	138.09	116.85	89.35	79.95	66.04	52.38	TRU
1	1549	19	40	51	1549	221.29	140.82	119.15	91.12	81.53	67.35	53.41	FAL
1	1579	19	40	52	1579	225.57	143.55	121.46	92.88	83.11	68.65	54.45	FAL
1	1609	19	40	53	1609	229.86	146.27	123.77	94.65	84.68	69.96	55.48	FAL
1	1639	19	41	54	1639	234.14	149.00	126.08	96.41	86.26	71.26	56.52	TRU
1	1669	19	41	55	1669	238.43	151.73	128.38	98.18	87.84	72.57	57.55	FAL
1	1699	19	42	56	1699	242.71	154.45	130.69	99.94	89.42	73.87	58.59	FAL
1	1729	19	42	57	1729	247.00	157.18	133.00	101.71	91.00	75.17	59.62	TRU
1	1759	19	42	58	1759	251.29	159.91	135.31	103.47	92.58	76.48	60.66	FALS
1	1789	19	43	59	1789	255.57	162.64	137.62	105.24	94.16	77.78	61.69	FALS
1	1819	19	43	60	1819	259.86	165.36	139.92	107.00	95.74	79.09	62.72	TRU
1	1849	19	43	61	1849	264.14	168.09	142.23	108.76	97.32	80.39	63.76	FAL
1	1879	19	44	62	1879	268.43	170.82	144.54	110.53	98.89	81.70	64.79	FAL
1	1909	19	44	63	1909	272.71	173.55	146.85	112.29	100.47	83.00	65.83	TRU
1	1939	19	44	64	1939	277.00	176.27	149.15	114.06	102.05	84.30	66.86	TRU
1	1969	19	45	65	1969	281.29	179.00	151.46	115.82	103.63	85.61	67.90	TRU
1	1999	19	45	66	1999	285.57	181.73	153.77	117.59	105.21	86.91	68.93	FAL
2	2029	19	45	67	2029	289.86	184.45	156.08	119.35	106.79	88.22	69.97	FALS

*fam7	*fam11	*fam13	*fam17	*fam19	*fam23	*fam29
7 and +30	29 and +30	13 and + 30	17 and + 30	1 and + 30	23 and + 30	11 and + 30
L1 and +7	L10 and + 11	L5 and + 13	L9 and + 17	L0 and +19	L17 and + 23	L10 and + 29

				1	*fam1	*fam7	*fam11	*fam13	*fam17	*fam19	*fam23	*fam29	
S		start	sq root	level 19		by 7	by 11	by 13	ļ <u> </u>	by 19	by 23	by 29	Factor
	2059	19	46	1						108.37	89.52	71.00	TRU
	2089	19	46	69	2089	298.43	189.91	160.69	122.88	109.95	90.83	72.03	FALS
	2119	19	46	70	2119	302.71	192.64	163.00	124.65	111.53	92.13	73.07	TRU
	2149	19	47	71	2149	307.00	195.36	165.31	126.41	113.11	93.43	74.10	TRU
	2179	19	47	72	2179	311.29	198.09	167.62	128.18	114.68	94.74	75.14	FAL
	2209	19	47	73	2209	315.57	200.82	169.92	129.94	116.26	96.04	76.17	FAL
	2239	19	48	74	2239	319.86	203.55	172.23	131.71	117.84	97.35	77.21	FAL
	2269	19	48	75	2269	324.14	206.27	174.54	133.47	119.42	98.65	78.24	FAL
	2299	19	48	76	2299	328.43	209.00	176.85	135.24	121.00	99.96	79.28	TRU
	2329	19	49	77	2329	332.71	211.73	179.15	137.00	122.58	101.26	80.31	TRU
	2359	19	49	78	2359	337.00	214.45	181.46	138.76	124.16	102.57	81.34	TRI
	2389	19	49	79	2389	341.29	217.18	183.77	140.53	125.74	103.87	82.38	FAL
	2419	19	50	80	2419	345.57	219.91	186.08	142.29	127.32	105.17	83.41	FAL
	2449	19	50	81	2449	349.86	222.64	188.38	144.06	128.89	106.48	84.45	FAL
	2479	19	50	82	2479	354.14	225.36	190.69	145.82	130.47	107.78	85.48	FAL
	2509	19	50	83	2509	358.43	228.09	193.00	147.59	132.05	109.09	86.52	TR
	2539	19	51	84	2539	362.71	230.82	195.31	149.35	133.63	110.39	87.55	FAL
	2569	19	51	85	2569	367.00	233.55	197.62	151.12	135.21	111.70	88.59	TR
	2599	19	51	86	2599	371.29	236.27	199.92	152.88	136.79	113.00	89.62	TR
	2629	19	52	87	2629	375.57	239.00	202.23	154.65	138.37	114.30	90.66	TR
	2659	19	52	88	2659	379.86	241.73	204.54	156.41	139.95	115.61	91.69	FAL
	2689	19	52	89	2689	384.14	244.45	206.85	158.18	141.53	116.91	92.72	FAL
	2719	19	53	90	2719	388.43	247.18	209.15	159.94	143.11	118.22	93.76	FAL
	2749	19	53	91	2749	392.71	249.91	211.46	161.71	144.68	119.52	94.79	FAL
	2779	19	53	92	2779	397.00	252.64	213.77	163.47	146.26	120.83	95.83	TR
	2809	19	53	93	2809	401.29	255.36	216.08	165.24	147.84	122.13	96.86	FAL
	2839	19	54	94	2839	405.57	258.09	218.38	167.00	149.42	123.43	97.90	TR
	2869	19	54	95	2869	409.86	260.82	220.69	168.76	151.00	124.74	98.93	TR
	2899	19	54	96	2899	414.14	263.55	223.00	170.53	152.58	126.04	99.97	TR
	2929	19	55	1		418.43	266.27	225.31	172.29	154.16	127.35		TR
	2959	19	55	98	2959	422.71	269.00	227.62	174.06	155.74	128.65	102.03	TR
	2989	19	55	99	2989	427.00	271.73	229.92		157.32	129.96	103.07	TR
	3019	19	55	1				232.23	177.59	158.89	131.26	104.10	FAL
	3049	19	56	1						160.47	132.57		FAL

*fam7	*fam11	*fam13	*fam17	*fam19	*fam23	*fam29
7 and +30	29 and +30	13 and + 30	17 and + 30	1 and + 30	23 and + 30	11 and + 30
L1 and +7	L10 and + 11	L5 and + 13	L9 and + 17	L0 and +19	L17 and + 23	L10 and + 29

					*fam1	*fam7	*fam11	*fam13	*fam17	*fam19	*fam23	*fam29	
ps	s	tart	sq root	level 19		by 7	by 11	_	_	_	by 23	by 29	Factor
30		19	56	102				236.85		162.05	133.87	106.17	FALS
31	09	19	56	103	3109	444.14	282.64	239.15	182.88	163.63	135.17	107.21	FALS
31	39	19	56	104	3139	448.43	285.36	241.46	184.65	165.21	136.48	108.24	FALS
31	69	19	57	105	3169	452.71	288.09	243.77	186.41	166.79	137.78	109.28	FALS
319	99	19	57	106	3199	457.00	290.82	246.08	188.18	168.37	139.09	110.31	TRUI
32	29	19	57	107	3229	461.29	293.55	248.38	189.94	169.95	140.39	111.34	FALS
32	59	19	57	108	3259	465.57	296.27	250.69	191.71	171.53	141.70	112.38	FALS
32	89	19	58	109	3289	469.86	299.00	253.00	193.47	173.11	143.00	113.41	TRU
33	19	19	58	110	3319	474.14	301.73	255.31	195.24	174.68	144.30	114.45	FALS
334	49	19	58	111	3349	478.43	304.45	257.62	197.00	176.26	145.61	115.48	TRU
33	79	19	59	112	3379	482.71	307.18	259.92	198.76	177.84	146.91	116.52	FALS
34	09	19	59	113	3409	487.00	309.91	262.23	200.53	179.42	148.22	117.55	TRU
34	39	19	59	114	3439	491.29	312.64	264.54	202.29	181.00	149.52	118.59	TRU
34	69	19	59	115	3469	495.57	315.36	266.85	204.06	182.58	150.83	119.62	FALS
349	99	19	60	116	3499	499.86	318.09	269.15	205.82	184.16	152.13	120.66	FALS
35	29	19	60	117	3529	504.14	320.82	271.46	207.59	185.74	153.43	121.69	FALS
35	59	19	60	118	3559	508.43	323.55	273.77	209.35	187.32	154.74	122.72	FALS
35	89	19	60	119	3589	512.71	326.27	276.08	211.12	188.89	156.04	123.76	FALS
36	19	19	61	120	3619	517.00	329.00	278.38	212.88	190.47	157.35	124.79	TRU
36	49	19	61	121	3649	521.29	331.73	280.69	214.65	192.05	158.65	125.83	FALS
36	79	19	61	122	3679	525.57	334.45	283.00	216.41	193.63	159.96	126.86	TRU
37	09	19	61	123	3709	529.86	337.18	285.31	218.18	195.21	161.26	127.90	FALS
37	39	19	62	124	3739	534.14	339.91	287.62	219.94	196.79	162.57	128.93	FALS
37	69	19	62	125	3769	538.43	342.64	289.92	221.71	198.37	163.87	129.97	FALS
379	99	19	62	126	3799	542.71	345.36	292.23	223.47	199.95	165.17	131.00	TRU
38	29	19	62	127	3829	547.00	348.09	294.54	225.24	201.53	166.48	132.03	TRU
38	59	19	63	128	3859	551.29	350.82	296.85	227.00	203.11	167.78	133.07	TRU
388	89	19	63	129	3889	555.57	353.55	299.15	228.76	204.68	169.09	134.10	FALS
39 ⁻	19	19	63	130	3919	559.86	356.27	301.46	230.53	206.26	170.39	135.14	FALS
39	49	19	63	131	3949	564.14	359.00	303.77	232.29	207.84	171.70	136.17	TRU
39	79	19	63	132	3979	568.43	361.73	306.08	234.06	209.42	173.00	137.21	TRU
40	09	19	64	133	4009	572.71	364.45	308.38	235.82	211.00	174.30	138.24	TRU
40	39	19	64	134	4039	577.00	367.18	310.69	237.59	212.58	175.61	139.28	TRU
40	69	19	64	135	4069	581.29	369.91	313.00	239.35	214.16	176.91	140.31	TRU