1 $e13$

1.1 bintree

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	9	47	324	0.00	0.00	0.00	0.00
2	2	21	127	936	0.00	0.00	0.00	0.00
3	3	45	287	2160	0.00	0.00	0.00	0.00
4	4	93	607	4608	0.01	0.01	0.01	0.01
5	5	189	1247	9504	0.03	0.03	0.03	0.03
6	6	381	2527	19296	0.07	0.06	0.06	0.05
7	7	765	5087	38880	0.13	0.10	0.11	0.12
8	8	1533	10207	78048	0.22	0.22	0.23	0.23
9	9	3069	20447	156384	0.41	0.47	0.47	0.48
10	10	6141	40927	313056	0.77	0.98	0.96	0.99
11	11	12285	81887	626400	1.58	2.03	2.07	2.09
12	12	24573	163807	1253088	3.04	4.07	4.07	4.06
13	13	49149	327647	2506464	5.24	7.41	7.51	7.49
14	14	98301	655327	5013216	9.50	14.47	14.55	14.27
15	15	196605	1310687	10026720	17.35	27.66	27.63	27.81
16	16	393213	2621407	20053728	32.59	54.61	54.52	54.54
17	17	786429	5242847	40107744	63.19	108.79	109.03	108.21
18	18	1572861	10485727	80215776	mo	mo		mo

Table 1: $e13$-bintree-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	9	47	324	0.00	0.00	0.00	0.00
2	2	21	127	936	0.00	0.00	0.00	0.00
3	3	45	287	2160	0.00	0.00	0.00	0.00
4	4	93	607	4608	0.00	0.00	0.00	0.00
5	5	189	1247	9504	0.00	0.00	0.00	0.00
6	6	381	2527	19296	0.01	0.00	0.00	0.01
7	7	765	5087	38880	0.03	0.04	0.04	0.04
8	8	1533	10207	78048	0.07	0.09	0.10	0.10
9	9	3069	20447	156384	0.27	0.29	0.30	0.34
10	10	6141	40927	313056	0.66	1.08	1.09	1.03
11	11	12285	81887	626400	2.36	3.29	3.25	3.53
12	12	24573	163807	1253088	10.53	13.12	12.81	12.91
13	13	49149	327647	2506464	26.81	66.06	66.69	57.65
14	14	98301	655327	5013216	129.04	231.68	215.05	241.00
15	15	196605	1310687	10026720	592.25	1061.41	1059.37	1046.36
16	16	393213	2621407	20053728	2607.84	to	to	to

Table 2: $e13$-bintree-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	9	47	324	0.00	0.00	0.00	0.00
2	2	21	127	936	0.00	0.00	0.00	0.00
3	3	45	287	2160	0.00	0.00	0.00	0.00
4	4	93	607	4608	0.00	0.00	0.00	0.00
5	5	189	1247	9504	0.00	0.00	0.00	0.00
6	6	381	2527	19296	0.00	0.00	0.01	0.01
7	7	765	5087	38880	0.02	0.03	0.03	0.03
8	8	1533	10207	78048	0.05	0.06	0.06	0.06
9	9	3069	20447	156384	0.10	0.13	0.13	0.13
10	10	6141	40927	313056	0.19	0.28	0.27	0.28
11	11	12285	81887	626400	0.41	0.57	0.60	0.60
12	12	24573	163807	1253088	0.87	1.34	1.30	1.28

13	13	49149	327647	2506464	1.73	2.90	2.88	2.90
14	14	98301	655327	5013216	3.49	6.72	6.50	6.41
15	15	196605	1310687	10026720	7.08	14.37	14.45	14.57
16	16	393213	2621407	20053728	14.21	31.76	31.78	31.85
17	17	786429	5242847	40107744	28.65	68.49	68.58	68.48
18	18	1572861	10485727	80215776	57.55	146.08	146.22	145.73
19	19	3145725	20971487	160431840	115.76	311.89	311.41	311.61
20	20	6291453	41943007	320863968	232.47	692.33	670.54	756.11

Table 3: e13-bintree-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	9	47	324	0.00	0.00	0.00	0.00
2	2	21	127	936	0.00	0.00	0.00	0.00
3	3	45	287	2160	0.00	0.00	0.00	0.00
4	4	93	607	4608	0.00	0.00	0.00	0.00
5	5	189	1247	9504	0.01	0.00	0.01	0.01
6	6	381	2527	19296	0.03	0.03	0.03	0.03
7	7	765	5087	38880	0.08	0.26	0.27	0.09
8	8	1533	10207	78048	0.21	0.28	0.28	0.29
9	9	3069	20447	156384	0.50	1.07	1.07	0.96
10	10	6141	40927	313056	1.00	4.33	4.07	4.48
11	11	12285	81887	626400	3.67	20.87	19.77	19.61
12	12	24573	163807	1253088	6.78	103.25	97.53	100.30
13	13	49149	327647	2506464	26.55	511.56	517.71	526.17
14	14	98301	655327	5013216	84.95	2358.98	2629.20	2442.99
15	15	196605	1310687	10026720		to	to	to

Table 4: e13-bintree-picosat

1.2 gtb

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	63	631	5094	0.03	0.03	0.03	0.04
2	6	132	1395	11349	0.11	0.12	0.12	0.11
3	8	237	2591	21168	0.15	0.17	0.17	0.15
4	10	414	4651	38115	0.52	0.78	0.76	0.52
5	12	465	5199	42588	0.46	0.47	0.47	0.48
6	16	789	8959	73512	0.56	0.62	0.61	0.78
7	20	1281	14735	121068	1.56	1.56	1.55	1.67
8	24	1473	16911	138924	1.43	1.59	1.58	1.51
9	32	2397	27743	228096	1.72	1.84	1.85	1.73
10	40	3705	43183	355284	4.56	4.64	4.66	4.95
11	48	4317	50271	413568	4.48	4.39	4.39	4.69
12	64	6813	79711	656064	4.47	4.81	4.81	4.83
13	80	10173	119519	984096	15.45	20.95	20.85	20.25
14	96	11949	140319	1155312	15.08	21.78	21.71	27.53
15	128	18429	217055	1787616	11.44	13.81	13.88	13.54
16	160	26829	316831	2610000	51.38	58.24	57.71	46.98
17	192	31677	373983	3080736	70.33	49.79	49.91	70.20
18	256	47997	567775	4677984	32.34	34.60	34.48	34.51
19	320	68541	812255	6693408	125.09	150.93	151.59	378.80
20	384	81213	962271	7929504	132.24	155.24	154.16	169.45
21	512	121341	1439711	11865312	88.20	114.50	114.30	117.92
22	640	170685	2027743	16713504	306.28	504.11	500.64	703.09
23	768	202749	2408415	19850976	371.54	525.57	525.16	461.26
24	1000	297921	3543055	29206188	237.75	304.52	306.43	299.46
25	1024	299517	3561439	29357280	245.22	316.74	318.04	304.56
26	1250	414504	4934051	40675905	1533.59	1572.05	1569.45	1066.67
27	1280	416253	4954079	40840416	769.93	1049.37	1049.79	1405.60

28	1500	491829	5853951	48259080	833.40	1067.10	1065.35	1862.84
29	1536	495357	5895135	48597984	841.61	1342.07	1347.04	1364.22
30	1750	660480	7869763	64883529	383.26	492.10	492.69	493.33
31	2000	720381	8580575	70741728	334.02	771.50	775.77	mo
32	2048	724989	8634335	71184096	316.11	mo	mo	551.84
33	2250	932196	11114355	91639413		to	to	to

Table 5: *e*13-gtb-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	63	631	5094	0.01	0.01	0.01	0.01
2	6	132	1395	11349	0.07	0.05	0.05	0.06
3	8	237	2591	21168	0.10	0.19	0.19	0.08
4	10	414	4651	38115	0.27	0.33	0.31	0.67
5	12	465	5199	42588	0.49	0.66	0.65	0.29
6	16	789	8959	73512	0.67	0.53	0.54	0.64
7	20	1281	14735	121068	3.66	3.55	3.52	3.44
8	24	1473	16911	138924	1.68	1.84	1.85	2.16
9	32	2397	27743	228096	8.89	8.55	8.59	8.14
10	40	3705	43183	355284	35.32	23.93	23.92	37.25
11	48	4317	50271	413568	22.43	22.40	22.45	10.35
12	64	6813	79711	656064	27.70	36.71	36.69	64.21
13	80	10173	119519	984096	176.67	49.31	49.22	183.79
14	96	11949	140319	1155312	167.74	118.47	118.52	162.87
15	128	18429	217055	1787616	290.73	496.32	495.85	601.44
16	160	26829	316831	2610000	609.39	744.75	745.77	388.67
17	192	31677	373983	3080736	725.72	608.59	607.18	921.81
18	256	47997	567775	4677984	to	1899.86	1896.76	to
19	320	68541	812255	6693408	2782.83	3206.90	3115.36	to
20	384	81213	962271	7929504	to	to		to

Table 6: *e*13-gtb-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	63	631	5094	0.00	0.00	0.00	0.00
2	6	132	1395	11349	0.01	0.01	0.01	0.01
3	8	237	2591	21168	0.02	0.03	0.03	0.03
4	10	414	4651	38115	0.04	0.06	0.06	0.07
5	12	465	5199	42588	0.03	0.07	0.07	0.07
6	16	789	8959	73512	0.07	0.11	0.11	0.11
7	20	1281	14735	121068	0.13	0.21	0.23	0.23
8	24	1473	16911	138924	0.14	0.22	0.23	0.23
9	32	2397	27743	228096	0.23	0.38	0.37	0.37
10	40	3705	43183	355284	0.40	0.69	0.68	0.67
11	48	4317	50271	413568	0.42	0.70	0.73	0.73
12	64	6813	79711	656064	0.67	1.15	1.14	1.14
13	80	10173	119519	984096	1.12	2.00	1.97	2.02
14	96	11949	140319	1155312	1.22	2.16	2.16	2.19
15	128	18429	217055	1787616	1.92	3.47	3.47	3.49
16	160	26829	316831	2610000	2.97	5.93	5.87	5.83
17	192	31677	373983	3080736	3.28	6.50	6.56	6.54
18	256	47997	567775	4677984	5.17	10.10	10.12	10.09
19	320	68541	812255	6693408	7.73	16.11	16.16	16.24
20	384	81213	962271	7929504	8.75	18.18	18.20	18.23
21	512	121341	1439711	11865312	13.64	28.00	27.97	27.97
22	640	170685	2027743	16713504	19.72	43.98	43.74	43.62
23	768	202749	2408415	19850976	22.83	49.87	49.93	50.11
24	1000	297921	3543055	29206188	32.22	75.14	75.24	75.02
25	1024	299517	3561439	29357280	35.28	75.68	75.69	75.60
26	1250	414504	4934051	40675905	47.47	114.74	114.73	114.83

27	1280	416253	4954079	40840416	50.07	115.05	115.17	115.24
28	1500	491829	5853951	48259080	53.27	131.11	131.55	131.25
29	1536	495357	5895135	48597984	58.06	132.64	132.51	132.16
30	1750	660480	7869763	64883529	71.26	179.71	179.65	179.66
31	2000	720381	8580575	70741728	81.59	197.53	197.66	197.32
32	2048	724989	8634335	71184096	90.80	198.70	198.78	198.70
33	2250	932196	11114355	91639413	113.07	277.56	277.38	277.23
34	2500	992505	11830063	97538004	120.00	295.16	294.81	295.35
35	2560	997629	11889631	98028000	128.51	297.29	299.31	297.49
36	2750	1118940	13339283	109983069	132.66	322.15	321.80	322.28
37	3000	1179249	14054991	115881660	135.74	340.86	341.03	341.03
38	3072	1188861	14168031	116812512	149.79	343.87	344.23	343.57
39	3250	1506264	17971171	148184145	178.25	448.97	447.39	448.33
40	3500	1566165	18681983	154042344	186.27	467.53	468.65	468.25
41	3750	1654944	19739331	162759465	198.48	497.53	497.00	497.97
42	4000	1713837	20438047	168517872	212.35	516.30	515.63	517.37
43	4096	1726461	20586463	169740000	237.06	520.78	519.89	521.65
44	4250	2133012	25460147	209944197	287.57	697.24	694.70	697.89
45	4500	2193321	26175855	215842788	295.22	714.93	716.52	717.34
46	4750	2281692	27228307	224519517	311.14	753.16	748.09	746.00
47	5000	2342001	27944015	230418108	314.35	767.18	764.89	767.60
48	5120	2356221	28110815	231791328	339.45	to	to	770.68
49	5250	2586072	30864867	254509137	339.98	827.87	829.06	825.14
50	5500	2636997	31467967	259478712	348.45	843.13	841.93	856.97
51	5750	2725776	32525315	268195833	353.39	873.37	873.27	895.46
52	6000	2785677	33236127	274054032	358.74	925.78	895.03	893.49

Table 7: e13-gtb-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	63	631	5094	0.01	0.08	0.00	0.31
2	6	132	1395	11349	0.89	0.94	0.13	0.44
3	8	237	2591	21168	7.53	754.01	755.02	764.60
4	10	414	4651	38115		to	to	to

Table 8: e13-gtb-picosat

1.3 pyr10seq

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	783	8087	65718	0.34	0.32	0.33	0.33
2	250	48753	505007	4106268	16.65	20.85	20.87	20.88
3	500	97503	1010007	8212518	31.84	40.23	40.13	40.20
4	750	146253	1515007	12318768	50.56	59.92	60.11	59.83
5	1000	195003	2020007	16425018	66.86	79.69	79.45	79.59
6	1250	243753	2525007	20531268	89.35	113.21	113.16	111.57
7	1500	292503	3030007	24637518	120.65	152.42	152.12	160.15
8	1750	341253	3535007	28743768	150.65	208.52	208.54	206.51
9	2000	390003	4040007	32850018	166.68	247.41	248.27	247.01
10	2250	438753	4545007	36956268	183.19	289.45	289.66	288.99
11	2500	487503	5050007	41062518	221.56	335.03	334.84	333.54
12	2750	536253	5555007	45168768	231.85	374.89	375.17	402.86
13	3000	585003	6060007	49275018	263.50	420.62	422.93	418.23
14	3250	633753	6565007	53381268	290.45	466.63	466.14	461.84

Table 9: e13-pyr10seq-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3

1	4	783	8087	65718	0.25	0.28	0.28	0.27
2	250	48753	505007	4106268	180.68	136.87	135.76	208.38
3	500	97503	1010007	8212518	593.49	416.02	416.67	1067.60
4	750	146253	1515007	12318768	1588.87	1220.14	1228.66	2416.67
5	1000	195003	2020007	16425018	2913.02	1968.71	1947.34	1889.66
6	1250	243753	2525007	20531268	2678.14	to	to	3253.58
7	1500	292503	3030007	24637518		to	to	to

Table 10: e13-pyr10seq-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	783	8087	65718	0.04	0.08	0.08	0.08
2	250	48753	505007	4106268	3.68	7.25	7.23	7.25
3	500	97503	1010007	8212518	7.39	15.48	15.36	15.42
4	750	146253	1515007	12318768	11.14	24.22	24.33	24.08
5	1000	195003	2020007	16425018	15.00	34.15	34.13	33.54
6	1250	243753	2525007	20531268	18.89	42.94	42.80	42.90
7	1500	292503	3030007	24637518	22.45	52.34	52.37	52.31
8	1750	341253	3535007	28743768	26.19	64.12	64.43	61.58
9	2000	390003	4040007	32850018	30.19	71.59	71.47	71.50
10	2250	438753	4545007	36956268	33.82	81.35	81.46	81.36
11	2500	487503	5050007	41062518	37.66	91.20	91.24	91.27
12	2750	536253	5555007	45168768	41.25	100.80	101.25	107.96
13	3000	585003	6060007	49275018	45.43	111.65	111.22	111.03
14	3250	633753	6565007	53381268	49.27	121.20	120.93	121.46

Table 11: e13-pyr10seq-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	783	8087	65718	215.35	73.11	33.17	116.03
2	250	48753	505007	4106268	to	1418.57	1716.98	1810.38
3	500	97503	1010007	8212518		to	to	to

Table 12: e13-pyr10seq-picosat

1.4 pyr1seq

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	27	167	1242	0.00	0.00	0.00	0.00
2	10000	60003	400007	3060018	9.34	11.26	11.42	11.26
3	20000	120003	800007	6120018	18.32	22.77	22.97	22.67
4	30000	180003	1200007	9180018	18.34	27.47	27.40	29.69
5	40000	240003	1600007	12240018	24.47	34.05	34.28	35.17
6	50000	300003	2000007	15300018	21.72	38.47	38.34	39.37
7	60000	360003	2400007	18360018	24.69	44.05	44.41	44.31
8	70000	420003	2800007	21420018	31.90	49.45	49.38	49.64
9	80000	480003	3200007	24480018	37.06	54.59	54.36	54.33
10	90000	540003	3600007	27540018	38.76	60.15	60.40	60.12
11	100000	600003	4000007	30600018	39.44	65.25	65.26	65.66
12	110000	660003	4400007	33660018	48.67	70.82	70.87	70.11
13	120000	720003	4800007	36720018	45.06	75.83	76.14	76.53
14	130000	780003	5200007	39780018	48.59	81.02	81.01	82.30
15	140000	840003	5600007	42840018	52.58	87.43	87.61	84.75
16	150000	900003	6000007	45900018	59.16	92.35	92.53	92.66
17	160000	960003	6400007	48960018	58.92	98.28	98.73	99.08
18	170000	1020003	6800007	52020018	62.63	103.31	103.47	103.69
19	180000	1080003	7200007	55080018	66.73	110.52	110.68	109.10
20	190000	1140003	7600007	58140018	71.19	116.11	116.24	115.96

21	200000	1200003	8000007	61200018	74.73	121.81	122.71	122.23
22	210000	1260003	8400007	64260018	76.68	128.49	127.81	128.32
23	220000	1320003	8800007	67320018	79.95	133.83	133.78	133.64
24	230000	1380003	9200007	70380018	88.32	139.86	139.85	140.53
25	240000	1440003	9600007	73440018	86.94	145.10	145.13	145.17
26	250000	1500003	10000007	76500018	mo	mo	mo	

Table 13: e13-pyr1seq-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	27	167	1242	0.00	0.00	0.00	0.00
2	10000	60003	400007	3060018	85.65	353.86	358.60	601.04
3	20000	120003	800007	6120018	to	1513.43	1509.00	1161.78
4	30000	180003	1200007	9180018		to	to	to

Table 14: e13-pyr1seq-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	27	167	1242	0.00	0.00	0.00	0.00
2	10000	60003	400007	3060018	1.70	3.15	2.95	3.00
3	20000	120003	800007	6120018	3.44	6.70	6.54	6.82
4	30000	180003	1200007	9180018	5.11	10.82	10.96	10.85
5	40000	240003	1600007	12240018	7.09	14.87	15.37	14.98
6	50000	300003	2000007	15300018	8.77	19.61	19.28	19.24
7	60000	360003	2400007	18360018	10.49	23.92	23.99	23.79
8	70000	420003	2800007	21420018	12.16	28.32	28.32	28.32
9	80000	480003	3200007	24480018	14.06	33.14	32.85	33.14
10	90000	540003	3600007	27540018	15.68	37.74	37.90	37.67
11	100000	600003	4000007	30600018	17.19	42.56	42.53	42.39
12	110000	660003	4400007	33660018	19.40	47.15	47.18	47.21
13	120000	720003	4800007	36720018	20.91	52.06	52.03	52.29
14	130000	780003	5200007	39780018	22.64	56.89	57.01	57.01
15	140000	840003	5600007	42840018	24.28	61.78	61.89	61.74
16	150000	900003	6000007	45900018	26.02	66.55	66.59	66.54
17	160000	960003	6400007	48960018	27.99	71.32	71.31	71.17
18	170000	1020003	6800007	52020018	29.56	76.26	76.08	76.65
19	180000	1080003	7200007	55080018	31.62	81.31	81.21	81.32
20	190000	1140003	7600007	58140018	33.04	86.27	86.38	86.21
21	200000	1200003	8000007	61200018	35.02	91.42	91.30	91.25
22	210000	1260003	8400007	64260018	36.81	96.64	96.56	96.60
23	220000	1320003	8800007	67320018	38.37	101.22	101.38	101.19
24	230000	1380003	9200007	70380018	40.13	106.43	106.71	106.54
25	240000	1440003	9600007	73440018	41.78	111.67	111.70	111.60
26	250000	1500003	10000007	76500018	43.81	116.93	116.82	117.01
27	260000	1560003	10400007	79560018	45.60	121.91	121.73	122.10
28	270000	1620003	10800007	82620018	47.41	126.94	127.21	127.05
29	280000	1680003	11200007	85680018	48.80	132.44	132.41	132.41
30	290000	1740003	11600007	88740018	50.66	137.79	137.22	137.44
31	300000	1800003	12000007	91800018	52.40	142.61	143.04	142.95
32	310000	1860003	12400007	94860018	54.10	148.17	147.82	148.18
33	320000	1920003	12800007	97920018	56.14	153.32	153.35	153.36
34	330000	1980003	13200007	100980018	57.80	158.18	158.37	158.58
35	340000	2040003	13600007	104040018	59.58	163.78	163.58	163.67
36	350000	2100003	14000007	107100018	61.38	169.31	169.00	168.98
37	360000	2160003	14400007	110160018	63.10	173.94	174.48	174.23
38	370000	2220003	14800007	113220018	64.82	179.48	179.03	179.41
39	380000	2280003	15200007	116280018	66.71	184.95	185.24	184.78
40	390000	2340003	15600007	119340018	68.40	190.19	190.12	190.54
41	400000	2400003	16000007	122400018	70.59	195.97	195.94	195.97
42	410000	2460003	16400007	125460018	71.84	201.12	200.97	200.94

43	420000	2520003	16800007	128520018	74.05	206.82	207.38	206.97
44	430000	2580003	17200007	131580018	75.31	212.26	213.01	212.07
45	440000	2640003	17600007	134640018	77.50	217.66	217.40	217.53
46	450000	2700003	18000007	137700018	78.90	223.30	223.47	223.33
47	460000	2760003	18400007	140760018	80.44	228.39	228.20	228.52
48	470000	2820003	18800007	143820018	82.67	234.02	234.21	234.43
49	480000	2880003	19200007	146880018	84.39	238.88	240.00	240.16
50	490000	2940003	19600007	149940018	86.23	244.98	245.00	244.71
51	500000	3000003	20000007	153000018	88.02	250.49	250.83	250.80

Table 15: e13-pyr1seq-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	27	167	1242	0.00	0.00	0.00	0.00
2	10000	60003	400007	3060018	703.34	2771.02	to	1611.02
3	20000	120003	800007	6120018		to	to	to

Table 16: e13-pyr1seq-picosat

1.5 pyr3seq

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	111	919	7254	0.02	0.01	0.02	0.02
2	2500	67503	570007	4522518	7.55	14.53	14.57	14.44
3	5000	135003	1140007	9045018	20.48	27.98	28.00	27.96
4	7500	202503	1710007	13567518	28.18	60.63	60.83	60.80
5	10000	270003	2280007	18090018	39.20	70.72	70.76	77.11
6	12500	337503	2850007	22612518	35.91	89.35	89.44	77.87
7	15000	405003	3420007	27135018	43.71	90.48	90.54	188.30
8	17500	472503	3990007	31657518	68.56	98.36	98.80	148.73
9	20000	540003	4560007	36180018	54.92	104.00	104.05	165.41
10	22500	607503	5130007	40702518	59.48	117.23	118.00	126.68
11	25000	675003	5700007	45225018	63.84	135.99	136.15	130.97
12	27500	742503	6270007	49747518	70.72	335.76	336.78	329.09
13	30000	810003	6840007	54270018	75.19	269.17	269.06	283.13
14	32500	877503	7410007	58792518	80.88	344.11	344.83	390.21
15	35000	945003	7980007	63315018	86.27	426.83	426.87	430.32
16	37500	1012503	8550007	67837518	93.14	453.70	453.97	450.96
17	40000	1080003	9120007	72360018	mo	475.29	470.48	472.80
18	42500	1147503	9690007	76882518	mo	488.19	488.58	490.76
19	45000	1215003	10260007	81405018	mo	518.24	518.30	508.07
20	47500	1282503	10830007	85927518	mo	526.34	526.17	542.21
21	50000	1350003	11400007	90450018	mo	551.81	551.14	544.26
22	52500	1417503	11970007	94972518	mo	mo	mo	

Table 17: e13-pyr3seq-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	111	919	7254	0.01	0.01	0.01	0.01
2	2500	67503	570007	4522518	539.15	601.52	601.44	225.62
3	5000	135003	1140007	9045018	1203.73	3451.24	to	3211.27
4	7500	202503	1710007	13567518	to	3269.25	3272.34	to
5	10000	270003	2280007	18090018	to		to	to

Table 18: e13-pyr3seq-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3

1	4	111	919	7254	0.00	0.00	0.00	0.00
2	2500	67503	570007	4522518	3.57	6.23	6.24	6.27
3	5000	135003	1140007	9045018	7.16	14.66	14.74	13.58
4	7500	202503	1710007	13567518	10.76	21.61	21.73	21.57
5	10000	270003	2280007	18090018	14.39	33.72	33.74	30.08
6	12500	337503	2850007	22612518	18.03	38.55	38.62	38.49
7	15000	405003	3420007	27135018	21.65	47.35	47.20	47.19
8	17500	472503	3990007	31657518	25.36	56.22	55.98	56.11
9	20000	540003	4560007	36180018	29.01	65.08	64.96	78.31
10	22500	607503	5130007	40702518	32.56	74.02	73.79	87.30
11	25000	675003	5700007	45225018	36.34	83.01	82.96	82.90
12	27500	742503	6270007	49747518	39.74	119.52	119.49	91.96
13	30000	810003	6840007	54270018	43.68	101.34	101.33	129.66
14	32500	877503	7410007	58792518	47.11	143.04	143.08	135.77
15	35000	945003	7980007	63315018	50.66	128.00	119.61	119.75
16	37500	1012503	8550007	67837518	54.43	128.87	128.82	179.35
17	40000	1080003	9120007	72360018	58.36	138.41	138.41	138.33
18	42500	1147503	9690007	76882518	61.86	147.73	147.79	147.99
19	45000	1215003	10260007	81405018	65.52	202.06	201.86	157.38
20	47500	1282503	10830007	85927518	69.13	166.75	179.41	241.52
21	50000	1350003	11400007	90450018	72.84	176.53	176.63	176.57
22	52500	1417503	11970007	94972518	76.90	186.29	186.59	250.53
23	55000	1485003	12540007	99495018	80.18	198.18	197.96	to
24	57500	1552503	13110007	104017518	84.05	205.92	206.31	205.59
25	60000	1620003	13680007	108540018	87.64	to	to	215.52
26	62500	1687503	14250007	113062518	91.45	225.28	225.27	308.14
27	65000	1755003	14820007	117585018	95.08	383.93	383.45	312.97
28	67500	1822503	15390007	122107518	98.52	245.20	245.26	246.12
29	70000	1890003	15960007	126630018	102.56	420.16	420.47	347.50
30	72500	1957503	16530007	131152518	106.04	265.22	265.48	389.20
31	75000	2025003	17100007	135675018	109.85	438.11	472.37	275.94
32	77500	2092503	17670007	140197518	113.45	479.31	479.37	285.03
33	80000	2160003	18240007	144720018	117.23	497.48	497.88	295.35
34	82500	2227503	18810007	149242518	120.71	469.41	469.83	306.33
35	85000	2295003	19380007	153765018	124.22	371.15	371.03	316.02
36	87500	2362503	19950007	158287518	128.45	326.59	326.21	325.93
37	90000	2430003	20520007	162810018	132.06	336.76	336.55	638.90
38	92500	2497503	21090007	167332518	135.38	529.50	529.91	644.41
39	95000	2565003	21660007	171855018	139.57	560.79	561.71	to
40	97500	2632503	22230007	176377518	143.08	610.68	609.84	368.02
41	100000	2700003	22800007	180900018	146.89	710.88	711.48	377.77

Table 19: *e*13-pyr3seq-minisatsimp

♯	**par**	**vars**	**clauses**	**literals**	**C**	**R1**	**R2**	**R3**
1	4	111	919	7254	0.05	0.01	0.01	0.02
2	2500	67503	570007	4522518	1265.17	to	to	to

Table 20: *e*13-pyr3seq-picosat

1.6 pyr5seq

♯	**par**	**vars**	**clauses**	**literals**	**C**	**R1**	**R2**	**R3**
1	4	243	2247	18018	0.09	0.08	0.08	0.10
2	1000	60003	560007	4500018	19.55	27.29	27.24	27.20
3	2000	120003	1120007	9000018	43.37	52.94	52.82	52.91
4	3000	180003	1680007	13500018	65.62	78.62	78.49	78.78
5	4000	240003	2240007	18000018	122.91	142.35	142.34	140.19
6	5000	300003	2800007	22500018	148.10	190.17	190.19	194.83

7	6000	360003	3360007	27000018	192.17	297.73	297.46	300.15
8	7000	420003	3920007	31500018	184.02	371.58	371.64	369.83
9	8000	480003	4480007	36000018	261.29	421.22	420.96	418.86
10	9000	540003	5040007	40500018	291.28	511.61	512.77	514.67
11	10000	600003	5600007	45000018	292.11	569.09	569.25	565.38
12	11000	660003	6160007	49500018	454.58	623.26	621.33	616.32
13	12000	720003	6720007	54000018	322.04	669.87	669.58	675.63
14	13000	780003	7280007	58500018	357.57	713.09	714.33	723.74
15	14000	840003	7840007	63000018	368.47	768.85	769.32	763.77
16	15000	900003	8400007	67500018	443.34	824.80	831.33	861.31
17	16000	960003	8960007	72000018	481.54	863.59	863.63	861.48
18	17000	1020003	9520007	76500018	432.55	912.06	911.23	914.21
19	18000	1080003	10080007	81000018	499.98	955.90	956.38	958.76
20	19000	1140003	10640007	85500018	555.16	988.95	990.05	1002.20
21	20000	1200003	11200007	90000018	620.00	1052.50	1056.47	1044.98
22	21000	1260003	11760007	94500018	572.91	1092.55	1092.84	1089.09
23	22000	1320003	12320007	99000018	701.88	1155.67	1155.17	1131.52
24	23000	1380003	12880007	103500018	mo		mo	mo

Table 21: *e*13-pyr5seq-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	243	2247	18018	0.03	0.04	0.04	0.04
2	1000	60003	560007	4500018	230.23	569.50	553.63	538.62
3	2000	120003	1120007	9000018	1449.66	1123.67	1115.96	1480.65
4	3000	180003	1680007	13500018	2505.01	to	to	3183.23
5	4000	240003	2240007	18000018	2621.40	to	to	3257.92
6	5000	300003	2800007	22500018	to		to	to

Table 22: *e*13-pyr5seq-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	243	2247	18018	0.01	0.02	0.02	0.02
2	1000	60003	560007	4500018	3.78	6.97	7.01	6.98
3	2000	120003	1120007	9000018	7.59	15.23	15.29	15.22
4	3000	180003	1680007	13500018	11.45	23.90	23.86	23.99
5	4000	240003	2240007	18000018	15.42	32.95	32.98	32.98
6	5000	300003	2800007	22500018	19.24	42.26	42.35	42.30
7	6000	360003	3360007	27000018	23.11	51.70	51.72	51.79
8	7000	420003	3920007	31500018	27.07	61.38	61.34	61.48
9	8000	480003	4480007	36000018	31.00	70.85	70.88	70.90
10	9000	540003	5040007	40500018	34.80	80.70	80.76	80.76
11	10000	600003	5600007	45000018	38.80	90.49	90.64	90.57
12	11000	660003	6160007	49500018	42.58	100.19	100.19	100.49
13	12000	720003	6720007	54000018	46.63	110.25	110.31	110.40
14	13000	780003	7280007	58500018	50.41	120.49	120.65	120.53
15	14000	840003	7840007	63000018	54.25	137.07	136.82	130.48
16	15000	900003	8400007	67500018	58.33	163.33	163.73	156.79
17	16000	960003	8960007	72000018	62.19	180.71	180.65	150.85
18	17000	1020003	9520007	76500018	65.94	160.93	160.99	160.92
19	18000	1080003	10080007	81000018	69.88	171.54	171.59	217.97
20	19000	1140003	10640007	85500018	73.81	195.31	195.44	200.27
21	20000	1200003	11200007	90000018	77.86	204.85	204.34	229.54
22	21000	1260003	11760007	94500018	81.60	202.29	202.44	202.27
23	22000	1320003	12320007	99000018	85.63	212.86	213.05	213.10
24	23000	1380003	12880007	103500018	89.52	to	to	222.89
25	24000	1440003	13440007	108000018	93.37	234.54	234.59	281.22
26	25000	1500003	14000007	112500018	97.55	to	to	245.30
27	26000	1560003	14560007	117000018	101.16	296.88	295.40	to
28	27000	1620003	15120007	121500018	105.04	266.09	265.85	to

Table 23: e13-pyr5seq-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	243	2247	18018	0.13	0.11	0.31	0.06
2	1000	60003	560007	4500018	1985.19	to	to	to

Table 24: e13-pyr5seq-picosat

1.7 pyramid

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	18	123	927	0.00	0.00	0.00	0.00
2	4	45	383	3024	0.01	0.01	0.01	0.01
3	6	84	787	6309	0.03	0.03	0.03	0.03
4	8	135	1335	10782	0.05	0.05	0.05	0.05
5	10	198	2027	16443	0.08	0.08	0.08	0.08
6	12	273	2863	23292	0.10	0.11	0.11	0.11
7	14	360	3843	31329	0.15	0.15	0.15	0.15
8	16	459	4967	40554	0.18	0.19	0.19	0.19
9	18	570	6235	50967	0.22	0.24	0.23	0.23
10	20	693	7647	62568	0.29	0.28	0.27	0.28
11	22	828	9203	75357	0.34	0.34	0.34	0.34
12	24	975	10903	89334	0.38	0.40	0.38	0.40
13	26	1134	12747	104499	0.43	0.46	0.46	0.46
14	28	1305	14735	120852	0.51	0.53	0.53	0.52
15	30	1488	16867	138393	0.61	0.60	0.60	0.61
16	32	1683	19143	157122	0.69	0.68	0.68	0.68
17	34	1890	21563	177039	0.76	0.77	0.77	0.76
18	36	2109	24127	198144	0.85	0.85	0.84	0.85
19	38	2340	26835	220437	0.93	0.94	0.95	0.94
20	40	2583	29687	243918	1.02	1.05	1.04	1.04
21	42	2838	32683	268587	1.12	1.14	1.14	1.13
22	44	3105	35823	294444	1.20	1.26	1.27	1.27
23	46	3384	39107	321489	1.33	1.38	1.38	1.37
24	48	3675	42535	349722	1.45	1.49	1.48	1.48
25	50	3978	46107	379143	1.56	1.62	1.62	1.62
26	52	4293	49823	409752	1.68	1.73	1.74	1.72
27	54	4620	53683	441549	1.79	1.83	1.81	1.85
28	56	4959	57687	474534	1.91	1.97	1.94	1.94
29	58	5310	61835	508707	1.96	2.06	2.02	2.08
30	60	5673	66127	544068	2.01	2.20	2.20	2.19
31	62	6048	70563	580617	2.25	2.29	2.31	2.28
32	64	6435	75143	618354	2.28	2.42	2.40	2.44
33	66	6834	79867	657279	2.44	2.57	2.55	2.54
34	68	7245	84735	697392	2.59	2.68	2.68	2.65
35	70	7668	89747	738693	2.65	2.83	2.84	2.86
36	72	8103	94903	781182	2.72	3.03	3.00	2.97
37	74	8550	100203	824859	2.94	3.09	3.09	3.14
38	76	9009	105647	869724	3.11	3.35	3.30	3.28
39	78	9480	111235	915777	3.23	3.41	3.41	3.46
40	80	9963	116967	963018	3.44	3.58	3.57	3.60
41	82	10458	122843	1011447	3.49	3.73	3.74	3.74
42	84	10965	128863	1061064	3.69	3.94	3.96	3.91
43	86	11484	135027	1111869	3.80	4.07	4.09	4.09
44	88	12015	141335	1163862	3.97	4.29	4.27	4.34
45	90	12558	147787	1217043	4.17	4.53	4.51	4.47
46	92	13113	154383	1271412	4.16	4.67	4.67	4.68
47	94	13680	161123	1326969	4.31	4.85	4.82	4.95

48	96	14259	168007	1383714	4.61	5.04	5.05	5.06
49	98	14850	175035	1441647	4.70	5.29	5.33	5.35
50	100	15453	182207	1500768	5.13	5.48	5.57	5.46
51	105	17013	200767	1653768	5.54	6.14	6.02	6.28
52	110	18648	220227	1814193	6.44	6.59	6.63	6.63
53	115	20358	240587	1982043	6.49	7.59	8.17	7.41
54	120	22143	261847	2157318	6.73	8.13	8.77	8.09
55	125	24003	284007	2340018	7.25	8.73	8.73	8.80
56	130	25938	307067	2530143	7.89	9.60	9.75	9.55
57	135	27948	331027	2727693	8.42	10.26	9.80	10.26
58	140	30033	355887	2932668	9.72	10.31	14.87	10.45
59	145	32193	381647	3145068	9.50	11.06	11.08	10.94
60	150	34428	408307	3364893	10.07	11.80	11.77	11.73
61	155	36738	435867	3592143	10.69	12.41	12.38	12.58
62	160	39123	464327	3826818	11.14	13.20	13.18	13.28
63	165	41583	493687	4068918	11.99	14.05	14.09	14.27
64	170	44118	523947	4318443	12.47	14.85	14.86	15.01
65	175	46728	555107	4575393	13.33	15.52	15.52	15.92
66	180	49413	587167	4839768	13.92	16.41	16.52	16.52
67	185	52173	620127	5111568	14.78	17.55	17.61	17.57
68	190	55008	653987	5390793	15.47	18.28	18.28	18.18
69	195	57918	688747	5677443	16.04	19.19	19.12	19.22
70	200	60903	724407	5971518	16.55	19.87	19.83	20.00
71	205	63963	760967	6273018	17.29	20.93	20.94	20.98
72	210	67098	798427	6581943	18.01	21.85	21.93	21.68
73	215	70308	836787	6898293	18.83	22.57	22.58	22.45
74	220	73593	876047	7222068	19.62	23.52	23.54	23.50
75	225	76953	916207	7553268	20.35	24.39	24.41	24.49
76	230	80388	957267	7891893	21.33	25.37	25.42	25.36
77	235	83898	999227	8237943	22.06	26.64	26.48	26.39
78	240	87483	1042087	8591418	22.83	27.66	27.32	27.66
79	245	91143	1085847	8952318	23.58	28.45	28.51	28.61
80	250	94878	1130507	9320643	24.59	29.50	29.52	29.32
81	255	98688	1176067	9696393	25.19	30.48	30.51	30.28
82	260	102573	1222527	10079568	26.19	31.53	31.52	31.66
83	265	106533	1269887	10470168	26.87	32.63	32.61	32.67
84	270	110568	1318147	10868193	27.96	33.87	33.69	33.85
85	275	114678	1367307	11273643	29.35	35.16	35.20	34.96
86	280	118863	1417367	11686518	29.95	36.18	36.29	36.24
87	285	123123	1468327	12106818	30.62	37.29	37.25	37.11
88	290	127458	1520187	12534543	31.50	38.43	38.42	38.42
89	295	131868	1572947	12969693	32.56	39.62	40.01	39.71
90	300	136353	1626607	13412268	34.09	40.96	41.13	41.02
91	305	140913	1681167	13862268	34.66	42.53	42.20	42.37
92	310	145548	1736627	14319693	35.78	43.67	43.84	43.97
93	315	150258	1792987	14784543	36.68	44.95	44.94	44.85
94	320	155043	1850247	15256818	38.19	46.76	46.82	46.70
95	325	159903	1908407	15736518	39.00	47.75	47.86	47.76
96	330	164838	1967467	16223643	39.72	48.94	48.90	48.71
97	335	169848	2027427	16718193	40.95	50.06	50.10	50.10
98	340	174933	2088287	17220168	42.38	52.10	53.07	52.04
99	345	180093	2150047	17729568	43.13	53.41	53.97	53.17
100	350	185328	2212707	18246393	44.67	54.54	54.72	54.56
101	355	190638	2276267	18770643	45.63	56.38	56.42	56.02
102	360	196023	2340727	19302318	47.00	57.98	57.98	57.82
103	365	201483	2406087	19841418	47.76	59.56	59.89	59.54
104	370	207018	2472347	20387943	49.63	61.71	61.89	61.39
105	375	212628	2539507	20941893	50.94	63.02	63.06	62.97
106	380	218313	2607567	21503268	51.71	64.35	64.36	64.05
107	385	224073	2676527	22072068	52.83	65.93	65.76	65.85
108	390	229908	2746387	22648293	54.39	67.62	67.52	68.15
109	395	235818	2817147	23231943	55.78	69.57	69.24	69.19

110	400	241803	2888807	23823018	56.30	70.10	70.05	70.30
111	405	247863	2961367	24421518	57.89	71.61	71.79	72.39
112	410	253998	3034827	25027443	59.16	73.68	74.26	73.75
113	415	260208	3109187	25640793	61.04	75.59	75.66	75.22
114	420	266493	3184447	26261568	61.89	77.21	77.28	77.02
115	425	272853	3260607	26889768	63.07	78.82	79.07	79.02
116	430	279288	3337667	27525393	64.40	81.43	80.67	81.12
117	435	285798	3415627	28168443	66.54	83.63	82.99	82.54
118	440	292383	3494487	28818918	67.40	84.81	84.57	85.01
119	445	299043	3574247	29476818	68.77	86.42	86.56	86.60
120	450	305778	3654907	30142143	70.61	88.70	88.81	88.73
121	455	312588	3736467	30814893	72.05	90.27	90.36	90.85
122	460	319473	3818927	31495068	73.92	92.82	92.96	92.71
123	465	326433	3902287	32182668	75.26	95.03	94.89	94.49
124	470	333468	3986547	32877693	76.65	96.75	97.25	96.66
125	475	340578	4071707	33580143	79.59	99.20	98.94	98.98
126	480	347763	4157767	34290018	79.88	100.99	101.01	101.09
127	485	355023	4244727	35007318	81.16	103.02	102.96	102.92
128	490	362358	4332587	35732043	83.41	106.33	105.78	105.12
129	495	369768	4421347	36464193	84.85	108.19	107.44	107.36
130	500	377253	4511007	37203768	87.34	111.85	115.76	113.38
131	525	415803	4972807	41013018	97.79	125.71	154.36	135.14
132	550	456228	5457107	45007893	104.46	139.34	137.07	134.93
133	575	498528	5963907	49188393	112.94	143.16	144.14	143.99
134	600	542703	6493207	53554518	121.90	156.40	156.35	156.50
135	625	588753	7045007	58106268	131.90	192.49	193.31	169.00
136	650	636678	7619307	62843643	mo	mo		mo

Table 25: *e*13-pyramid-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	18	123	927	0.00	0.00	0.00	0.00
2	4	45	383	3024	0.00	0.00	0.00	0.00
3	6	84	787	6309	0.01	0.01	0.01	0.01
4	8	135	1335	10782	0.02	0.02	0.02	0.02
5	10	198	2027	16443	0.03	0.03	0.03	0.03
6	12	273	2863	23292	0.06	0.09	0.09	0.05
7	14	360	3843	31329	0.08	0.13	0.13	0.09
8	16	459	4967	40554	0.12	0.20	0.20	0.20
9	18	570	6235	50967	0.24	0.24	0.24	0.22
10	20	693	7647	62568	0.29	0.24	0.26	0.28
11	22	828	9203	75357	0.49	0.50	0.50	0.31
12	24	975	10903	89334	0.57	0.59	0.59	0.60
13	26	1134	12747	104499	0.69	0.79	0.78	0.68
14	28	1305	14735	120852	0.73	0.90	0.88	1.33
15	30	1488	16867	138393	1.41	1.44	1.45	0.83
16	32	1683	19143	157122	1.56	1.41	1.44	1.38
17	34	1890	21563	177039	1.54	2.05	2.06	1.45
18	36	2109	24127	198144	2.24	1.87	1.83	2.06
19	38	2340	26835	220437	3.25	2.18	2.16	3.79
20	40	2583	29687	243918	3.34	3.59	3.62	3.97
21	42	2838	32683	268587	4.39	4.02	4.02	3.57
22	44	3105	35823	294444	5.01	5.31	5.36	5.67
23	46	3384	39107	321489	5.59	8.92	8.94	8.46
24	48	3675	42535	349722	8.97	10.40	10.38	8.72
25	50	3978	46107	379143	10.71	9.28	9.29	14.23
26	52	4293	49823	409752	12.68	13.45	13.49	9.06
27	54	4620	53683	441549	11.66	10.64	10.66	14.48
28	56	4959	57687	474534	27.85	23.05	23.00	26.38
29	58	5310	61835	508707	30.45	15.64	15.67	22.35
30	60	5673	66127	544068	22.44	28.29	28.36	37.63

31	62	6048	70563	580617	38.64	29.74	29.71	35.38
32	64	6435	75143	618354	54.09	30.39	30.30	36.66
33	66	6834	79867	657279	35.01	37.73	37.77	39.32
34	68	7245	84735	697392	55.40	38.37	38.43	36.44
35	70	7668	89747	738693	58.58	42.77	42.66	73.26
36	72	8103	94903	781182	88.62	91.83	91.74	66.00
37	74	8550	100203	824859	75.21	63.38	63.50	96.41
38	76	9009	105647	869724	83.63	95.56	95.42	141.24
39	78	9480	111235	915777	73.19	136.28	136.29	65.95
40	80	9963	116967	963018	37.13	109.44	109.53	69.75
41	82	10458	122843	1011447	100.79	105.55	105.71	153.39
42	84	10965	128863	1061064	93.31	187.65	187.88	163.20
43	86	11484	135027	1111869	164.77	172.55	172.22	166.75
44	88	12015	141335	1163862	220.35	230.88	230.97	248.65
45	90	12558	147787	1217043	147.60	259.70	259.55	167.09
46	92	13113	154383	1271412	172.71	260.06	260.01	209.88
47	94	13680	161123	1326969	404.95	290.27	290.52	274.08
48	96	14259	168007	1383714	394.58	274.61	274.43	187.12
49	98	14850	175035	1441647	237.45	269.80	274.03	513.44
50	100	15453	182207	1500768	431.51	308.38	307.07	412.25
51	105	17013	200767	1653768	340.41	736.62	669.34	361.11
52	110	18648	220227	1814193	637.74	639.56	643.23	1129.67
53	115	20358	240587	1982043	1542.92	722.71	728.57	1436.94
54	120	22143	261847	2157318	858.43	832.75	897.47	821.97
55	125	24003	284007	2340018	3467.33	2064.65	2133.43	2040.68
56	130	25938	307067	2530143	1999.66	2288.16	2122.76	2546.91
57	135	27948	331027	2727693	2313.09	2099.34	2416.50	2213.41
58	140	30033	355887	2932668	to	to	to	

Table 26: e13-pyramid-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	18	123	927	0.00	0.00	0.00	0.00
2	4	45	383	3024	0.00	0.00	0.00	0.00
3	6	84	787	6309	0.00	0.00	0.00	0.00
4	8	135	1335	10782	0.00	0.01	0.01	0.01
5	10	198	2027	16443	0.01	0.02	0.01	0.02
6	12	273	2863	23292	0.02	0.03	0.02	0.03
7	14	360	3843	31329	0.02	0.04	0.04	0.04
8	16	459	4967	40554	0.03	0.05	0.05	0.04
9	18	570	6235	50967	0.04	0.06	0.07	0.06
10	20	693	7647	62568	0.05	0.09	0.09	0.09
11	22	828	9203	75357	0.06	0.09	0.10	0.09
12	24	975	10903	89334	0.07	0.13	0.12	0.13
13	26	1134	12747	104499	0.09	0.15	0.16	0.14
14	28	1305	14735	120852	0.09	0.18	0.17	0.18
15	30	1488	16867	138393	0.12	0.20	0.19	0.21
16	32	1683	19143	157122	0.14	0.24	0.24	0.23
17	34	1890	21563	177039	0.14	0.26	0.26	0.26
18	36	2109	24127	198144	0.17	0.31	0.32	0.30
19	38	2340	26835	220437	0.19	0.34	0.34	0.34
20	40	2583	29687	243918	0.21	0.38	0.38	0.38
21	42	2838	32683	268587	0.23	0.42	0.41	0.41
22	44	3105	35823	294444	0.26	0.47	0.49	0.47
23	46	3384	39107	321489	0.29	0.50	0.51	0.47
24	48	3675	42535	349722	0.31	0.55	0.54	0.55
25	50	3978	46107	379143	0.33	0.60	0.61	0.61
26	52	4293	49823	409752	0.37	0.66	0.65	0.65
27	54	4620	53683	441549	0.40	0.71	0.72	0.71
28	56	4959	57687	474534	0.42	0.78	0.78	0.76
29	58	5310	61835	508707	0.46	0.85	0.85	0.83

30	60	5673	66127	544068	0.48	0.90	0.88	0.89
31	62	6048	70563	580617	0.49	0.94	0.97	0.95
32	64	6435	75143	618354	0.56	1.00	1.02	1.01
33	66	6834	79867	657279	0.58	1.08	1.09	1.09
34	68	7245	84735	697392	0.63	1.14	1.13	1.17
35	70	7668	89747	738693	0.65	1.23	1.24	1.21
36	72	8103	94903	781182	0.71	1.33	1.32	1.32
37	74	8550	100203	824859	0.72	1.39	1.41	1.38
38	76	9009	105647	869724	0.78	1.48	1.47	1.46
39	78	9480	111235	915777	0.83	1.55	1.55	1.56
40	80	9963	116967	963018	0.86	1.64	1.65	1.67
41	82	10458	122843	1011447	0.90	1.74	1.73	1.75
42	84	10965	128863	1061064	0.96	1.79	1.80	1.83
43	86	11484	135027	1111869	1.00	1.93	1.94	1.90
44	88	12015	141335	1163862	1.05	2.01	2.03	2.02
45	90	12558	147787	1217043	1.09	2.13	2.14	2.15
46	92	13113	154383	1271412	1.16	2.23	2.23	2.22
47	94	13680	161123	1326969	1.21	2.35	2.37	2.32
48	96	14259	168007	1383714	1.25	2.47	2.48	2.45
49	98	14850	175035	1441647	1.30	2.58	2.71	2.64
50	100	15453	182207	1500768	1.39	2.75	2.75	2.75
51	105	17013	200767	1653768	1.51	3.24	3.23	3.23
52	110	18648	220227	1814193	1.76	3.44	3.43	3.51
53	115	20358	240587	1982043	1.87	4.83	3.96	3.84
54	120	22143	261847	2157318	2.01	4.43	5.08	4.39
55	125	24003	284007	2340018	2.19	4.87	4.76	4.77
56	130	25938	307067	2530143	2.34	5.20	5.43	5.27
57	135	27948	331027	2727693	2.54	5.63	5.70	5.85
58	140	30033	355887	2932668	2.93	6.14	8.79	5.93
59	145	32193	381647	3145068	2.91	6.33	6.40	6.38
60	150	34428	408307	3364893	3.10	6.84	6.84	6.86
61	155	36738	435867	3592143	3.29	7.34	7.32	7.35
62	160	39123	464327	3826818	3.52	7.99	7.97	7.87
63	165	41583	493687	4068918	3.75	8.48	8.47	8.42
64	170	44118	523947	4318443	3.99	8.99	8.95	8.96
65	175	46728	555107	4575393	4.27	9.60	9.66	9.57
66	180	49413	587167	4839768	4.55	10.25	10.21	10.21
67	185	52173	620127	5111568	4.78	10.96	10.88	10.89
68	190	55008	653987	5390793	5.07	11.53	11.53	11.53
69	195	57918	688747	5677443	5.29	12.22	12.15	12.18
70	200	60903	724407	5971518	5.53	12.98	12.87	12.93
71	205	63963	760967	6273018	6.02	13.81	13.89	13.67
72	210	67098	798427	6581943	6.13	14.50	14.45	14.31
73	215	70308	836787	6898293	6.39	14.99	14.99	15.03
74	220	73593	876047	7222068	6.66	15.89	16.15	15.92
75	225	76953	916207	7553268	7.03	16.65	16.70	16.66
76	230	80388	957267	7891893	7.32	17.52	18.00	17.61
77	235	83898	999227	8237943	7.70	18.40	18.43	18.28
78	240	87483	1042087	8591418	8.05	19.31	19.21	19.46
79	245	91143	1085847	8952318	8.26	19.95	20.06	20.02
80	250	94878	1130507	9320643	8.79	20.89	20.95	20.92
81	255	98688	1176067	9696393	9.01	21.79	21.84	21.82
82	260	102573	1222527	10079568	9.53	22.95	22.79	23.13
83	265	106533	1269887	10470168	9.66	23.70	23.80	23.66
84	270	110568	1318147	10868193	10.13	24.72	25.10	24.79
85	275	114678	1367307	11273643	10.55	25.80	25.70	25.78
86	280	118863	1417367	11686518	10.91	26.77	26.76	26.74
87	285	123123	1468327	12106818	11.21	27.88	27.84	27.86
88	290	127458	1520187	12534543	11.68	28.92	29.03	28.95
89	295	131868	1572947	12969693	12.05	30.08	30.57	30.07
90	300	136353	1626607	13412268	12.52	31.30	31.17	31.24
91	305	140913	1681167	13862268	12.93	32.48	32.24	32.62

92	310	145548	1736627	14319693	13.32	33.55	33.96	33.76
93	315	150258	1792987	14784543	13.90	34.72	34.60	34.65
94	320	155043	1850247	15256818	14.34	36.30	36.16	36.02
95	325	159903	1908407	15736518	14.62	37.16	38.85	37.24
96	330	164838	1967467	16223643	15.06	38.35	38.41	38.27
97	335	169848	2027427	16718193	15.83	39.76	39.72	39.76
98	340	174933	2088287	17220168	16.27	41.37	41.72	42.44
99	345	180093	2150047	17729568	16.54	42.55	43.64	42.52
100	350	185328	2212707	18246393	16.94	43.83	43.72	43.68
101	355	190638	2276267	18770643	17.48	45.07	45.15	45.22
102	360	196023	2340727	19302318	17.98	46.53	46.48	46.53
103	365	201483	2406087	19841418	18.65	48.59	48.00	48.21
104	370	207018	2472347	20387943	19.12	49.87	50.18	50.00
105	375	212628	2539507	20941893	19.72	51.47	51.08	51.29
106	380	218313	2607567	21503268	20.11	51.99	52.41	52.01
107	385	224073	2676527	22072068	20.66	53.43	53.54	53.58
108	390	229908	2746387	22648293	21.22	54.99	55.04	55.12
109	395	235818	2817147	23231943	21.63	56.64	56.45	56.76
110	400	241803	2888807	23823018	22.23	58.08	58.31	58.35
111	405	247863	2961367	24421518	22.82	59.75	60.22	60.28
112	410	253998	3034827	25027443	23.36	61.75	61.52	61.25
113	415	260208	3109187	25640793	24.01	63.08	63.06	63.17
114	420	266493	3184447	26261568	24.36	64.53	64.69	64.59
115	425	272853	3260607	26889768	25.02	66.10	66.36	66.26
116	430	279288	3337667	27525393	25.64	67.95	67.82	67.99
117	435	285798	3415627	28168443	26.26	69.62	69.64	69.67
118	440	292383	3494487	28818918	26.86	71.53	71.74	71.90
119	445	299043	3574247	29476818	27.50	73.35	73.43	73.33
120	450	305778	3654907	30142143	28.21	75.15	74.90	75.38
121	455	312588	3736467	30814893	28.63	77.04	77.28	76.98
122	460	319473	3818927	31495068	29.44	78.61	78.77	78.87
123	465	326433	3902287	32182668	30.10	81.19	80.90	80.55
124	470	333468	3986547	32877693	30.71	82.65	82.58	82.35
125	475	340578	4071707	33580143	31.46	84.59	84.58	84.58
126	480	347763	4157767	34290018	32.05	86.66	86.31	86.78
127	485	355023	4244727	35007318	32.63	88.38	88.36	88.46
128	490	362358	4332587	35732043	33.59	90.48	90.57	90.72
129	495	369768	4421347	36464193	34.25	95.81	92.58	92.47
130	500	377253	4511007	37203768	35.68	95.67	97.51	98.39
131	525	415803	4972807	41013018	43.43	110.34	185.66	143.30
132	550	456228	5457107	45007893	42.97	120.34	119.27	122.01
133	575	498528	5963907	49188393	46.56	127.70	134.16	129.51
134	600	542703	6493207	53554518	50.42	140.17	140.08	140.18
135	625	588753	7045007	58106268	54.76	185.79	160.87	152.80
136	650	636678	7619307	62843643	87.82	to	to	170.52
137	675	686478	8216107	67766643	68.92	199.27	199.69	199.72
138	700	738153	8835407	72875268	74.27	216.99	217.37	216.83
139	725	791703	9477207	78169518	80.54	237.57	238.04	243.74
140	750	847128	10141507	83649393	94.36	356.99	328.44	355.97
141	775	904428	10828307	89314893	100.97	414.62	416.19	381.54
142	800	963603	11537607	95166018	102.49	322.99	306.14	295.40
143	825	1024653	12269407	101202768	103.98	316.24	313.66	353.19
144	850	1087578	13023707	107425143	110.40	336.95	337.04	336.32
145	875	1152378	13800507	113833143	117.64	359.76	367.64	371.27
146	900	1219053	14599807	120426768	129.76	415.28	391.56	385.26
147	925	1287603	15421607	127206018	130.95	406.00	406.20	403.13
148	950	1358028	16265907	134170893	137.93	443.88	432.97	480.09
149	975	1430328	17132707	141321393	145.76	454.87	473.24	476.63
150	1000	1504503	18022007	148657518	153.47	482.50	481.66	486.53

Table 27: e13-pyramid-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	18	123	927	0.00	0.00	0.00	0.00
2	4	45	383	3024	0.00	0.00	0.00	0.00
3	6	84	787	6309	0.06	0.03	0.03	0.01
4	8	135	1335	10782	0.08	0.21	0.21	1.62
5	10	198	2027	16443	9.94	14.41	3.22	3.15
6	12	273	2863	23292	73.68	44.56	44.61	236.33
7	14	360	3843	31329	388.77	15.70	830.20	202.47
8	16	459	4967	40554	14.24	to	2024.48	to
9	18	570	6235	50967	to	to	3418.14	3588.44
10	20	693	7647	62568	to	to	to	2288.61

Table 28: *e*13-pyramid-picosat

1.8 pyrofpyr

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	27	199	1530	0.00	0.00	0.00	0.00
2	2	108	1011	8109	0.04	0.05	0.05	0.05
3	3	300	3091	25101	0.19	0.20	0.19	0.20
4	4	675	7303	59634	0.49	0.53	0.53	0.53
5	5	1323	14727	120618	1.02	1.09	1.11	1.10
6	6	2352	26659	218745	1.88	2.01	2.02	2.02
7	7	3888	44611	366489	3.07	3.30	3.30	3.32
8	8	6075	70311	578106	4.59	4.95	4.96	5.00
9	9	9075	105703	869634	6.59	7.44	7.23	7.29
10	10	13068	152947	1258893	9.10	10.17	10.20	10.17
11	11	18252	214419	1765485	12.08	13.94	13.91	13.83
12	12	24843	292711	2410794	17.56	19.88	19.96	19.90
13	13	33075	390631	3217986	27.33	30.97	31.13	32.56
14	14	43200	511203	4212009	45.09	57.60	57.21	89.19
15	15	55488	657667	5419593	144.20	95.34	95.48	to
16	16	70227	833479	6869250	149.58	135.86	135.55	112.45
17	17	87723	1042311	8591274	171.71	172.29	172.22	177.52
18	18	108300	1288051	10617741	680.93	222.60	221.66	193.96
19	19	132300	1574803	12982509	184.45	277.60	276.26	286.06
20	20	160083	1906887	15721218	to		mo	mo

Table 29: *e*13-pyrofpyr-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	27	199	1530	0.00	0.00	0.00	0.00
2	2	108	1011	8109	0.03	0.03	0.03	0.03
3	3	300	3091	25101	0.21	0.27	0.28	0.22
4	4	675	7303	59634	3.40	2.79	2.77	2.80
5	5	1323	14727	120618	21.80	28.67	28.54	19.96
6	6	2352	26659	218745	111.26	180.19	180.37	122.42
7	7	3888	44611	366489	573.99	804.82	798.04	1035.12
8	8	6075	70311	578106	to		to	to

Table 30: *e*13-pyrofpyr-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	27	199	1530	0.00	0.00	0.00	0.00
2	2	108	1011	8109	0.00	0.01	0.01	0.01
3	3	300	3091	25101	0.02	0.03	0.02	0.03
4	4	675	7303	59634	0.05	0.09	0.08	0.09
5	5	1323	14727	120618	0.12	0.19	0.19	0.20

6	6	2352	26659	218745	0.20	0.39	0.38	0.41
7	7	3888	44611	366489	0.36	0.66	0.68	0.68
8	8	6075	70311	578106	0.56	1.16	1.16	1.05
9	9	9075	105703	869634	0.86	1.69	1.67	1.73
10	10	13068	152947	1258893	1.26	2.56	2.61	2.59
11	11	18252	214419	1765485	1.82	4.00	4.05	3.81
12	12	24843	292711	2410794	2.47	5.53	5.54	5.43
13	13	33075	390631	3217986	3.33	7.62	7.60	7.55
14	14	43200	511203	4212009	4.38	10.21	10.15	10.31
15	15	55488	657667	5419593	5.63	13.61	13.58	13.46
16	16	70227	833479	6869250	7.10	17.46	17.47	17.55
17	17	87723	1042311	8591274	9.13	22.27	22.22	22.45
18	18	108300	1288051	10617741	11.07	28.22	28.18	27.92
19	19	132300	1574803	12982509	13.56	35.49	35.11	35.24
20	20	160083	1906887	15721218	16.45	44.19	44.21	43.72
21	21	192027	2288839	18871290	19.95	53.45	53.33	53.45
22	22	228528	2725411	22471929	24.05	64.91	64.77	64.69
23	23	270000	3221571	26564121	28.27	77.06	76.52	77.41
24	24	316875	3782503	31190634	33.10	91.52	91.37	93.11
25	25	369603	4413607	36396018	38.78	106.68	106.87	109.90
26	26	428652	5120499	42226605	45.16	127.79	127.68	127.51
27	27	494508	5909011	48730509	52.28	148.95	149.14	149.31
28	28	567675	6785191	55957626	59.63	173.72	173.80	172.82
29	29	648675	7755303	63959634	68.16	199.13	198.71	202.60
30	30	738048	8825827	72789993	77.59	230.20	230.38	230.06
31	31	836352	10003459	82503945	88.19	262.74	262.65	263.93
32	32	944163	11295111	93158514	100.16	301.77	301.42	301.67
33	33	1062075	12707911	104812506	113.11	340.31	340.21	338.87
34	34	1190700	14249203	117526509	127.94	386.22	386.13	to
35	35	1330668	15926547	131362893	142.71	436.42	435.38	441.22
36	36	1482627	17747719	146385810	158.77	493.49	495.18	492.45
37	37	1647243	19720711	162661194	176.70	550.66	550.71	556.88
38	38	1825200	21853731	180256761	196.02	621.40	622.71	616.38
39	39	2017200	24155203	199242009	217.00	690.59	692.86	693.49
40	40	2223963	26633767	219688218	239.17	770.68	766.39	773.97
41	41	2446227	29298279	241668450	263.53	844.09	857.29	852.23
42	42	2684748	32157811	265257549	290.33	940.01	935.37	937.07
43	43	2940300	35221651	290532141	320.18	1073.28	1041.39	1044.31
44	44	3213675	38499303	317570634	352.55	1157.40	1165.34	1151.55
45	45	3505683	42000487	346453218	389.83	1265.71	1264.07	to
46	46	3817152	45735139	377261865	417.03	1385.80	1511.83	1386.99
47	47	4148928	49713411	410080329	461.70	1516.11	1512.60	1563.34
48	48	4501875	53945671	444994146	500.61	1660.80	1695.60	1892.96
49	49	4876875	58442503	482090634	545.37	1812.11	1812.26	1873.11
50	50	5274828	63214707	521458893	578.99	2151.36	2231.47	1965.95

Table 31: e13-pyrofpyr-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	27	199	1530	0.00	0.00	0.00	0.00
2	2	108	1011	8109	0.03	0.15	0.14	0.10
3	3	300	3091	25101	1.09	1.88	0.67	6.58
4	4	675	7303	59634	19.20	146.66	12.75	59.43
5	5	1323	14727	120618	33.05	172.57	35.96	34.40
6	6	2352	26659	218745	192.89	65.83	194.85	83.49
7	7	3888	44611	366489	to	132.55	2085.79	2002.18
8	8	6075	70311	578106	3092.19	to	to	312.84
9	9	9075	105703	869634		to	to	to

Table 32: e13-pyrofpyr-picosat

1.9 pyrseqsqrt

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	129	1135	9036	0.03	0.04	0.04	0.04
2	3	327	3127	25182	0.13	0.14	0.14	0.13
3	4	663	6647	53838	0.29	0.27	0.28	0.27
4	5	1368	14147	114993	0.61	0.61	0.61	0.59
5	6	2433	25711	209484	1.04	1.08	1.08	1.09
6	7	3930	42203	344439	1.73	1.77	1.77	1.78
7	8	6387	69447	567522	2.61	2.78	2.77	2.76
8	9	9075	99655	815202	3.60	3.73	3.72	3.74
9	10	13113	145167	1188468	4.91	5.31	5.31	5.31
10	11	18978	211515	1732815	6.77	7.68	7.67	7.64
11	12	25275	283303	2322234	8.50	10.04	10.05	10.14
12	13	33933	382207	3134448	11.06	13.15	13.15	13.02
13	14	44271	500759	4108374	13.93	16.52	16.66	16.62
14	15	56433	640687	5258268	16.97	20.51	20.60	20.64
15	16	70563	803719	6598386	20.74	25.17	25.12	25.27
16	17	88692	1013139	8320005	25.34	30.78	30.65	30.70
17	18	109515	1254247	10302570	30.52	36.98	37.03	37.15
18	19	133212	1529203	12563901	36.19	43.91	43.82	44.50
19	20	159963	1840167	15121818	43.53	52.77	52.51	52.51
20	21	192783	2221975	18262710	52.65	62.31	62.14	62.72
21	22	229551	2650391	21787542	59.34	74.27	74.40	74.07
22	23	270483	3128007	25717698	69.71	87.33	87.29	87.68
23	24	319467	3699943	30424266	80.96	102.55	102.78	102.28
24	25	369678	4287307	35258643	93.58	117.94	117.86	118.29
25	26	429003	4981607	40973418	108.35	135.49	135.56	135.86
26	27	498639	5797015	47685366	127.15	157.92	157.84	158.15
27	28	569943	6633207	54569358	142.85	179.13	179.36	179.59
28	29	652764	7604851	62568765	mo		mo	mo

Table 33: e13-pyrseqsqrt-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	129	1135	9036	0.00	0.01	0.01	0.01
2	3	327	3127	25182	0.07	0.06	0.06	0.06
3	4	663	6647	53838	0.21	0.19	0.19	0.18
4	5	1368	14147	114993	0.53	0.67	0.67	0.65
5	6	2433	25711	209484	1.43	0.86	0.87	1.98
6	7	3930	42203	344439	1.99	3.90	3.94	4.40
7	8	6387	69447	567522	10.97	8.91	8.90	11.38
8	9	9075	99655	815202	12.79	13.04	12.99	16.09
9	10	13113	145167	1188468	41.22	34.93	35.08	32.66
10	11	18978	211515	1732815	51.45	106.58	106.33	93.42
11	12	25275	283303	2322234	112.55	131.01	131.16	178.34
12	13	33933	382207	3134448	268.30	117.28	117.27	198.97
13	14	44271	500759	4108374	303.82	182.43	183.12	433.16
14	15	56433	640687	5258268	487.65	657.28	647.64	327.42
15	16	70563	803719	6598386	1376.37	877.27	879.42	997.07
16	17	88692	1013139	8320005	1659.98	1351.55	1398.86	1142.35
17	18	109515	1254247	10302570	1756.67	2694.71	2692.50	2778.72
18	19	133212	1529203	12563901	2507.74	2909.98	2951.08	to
19	20	159963	1840167	15121818		to	to	to

Table 34: e13-pyrseqsqrt-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	129	1135	9036	0.00	0.01	0.01	0.00

2	3	327	3127	25182	0.02	0.03	0.03	0.02
3	4	663	6647	53838	0.04	0.06	0.06	0.06
4	5	1368	14147	114993	0.09	0.14	0.15	0.15
5	6	2433	25711	209484	0.18	0.29	0.29	0.29
6	7	3930	42203	344439	0.30	0.49	0.49	0.50
7	8	6387	69447	567522	0.50	0.86	0.84	0.85
8	9	9075	99655	815202	0.73	1.25	1.25	1.25
9	10	13113	145167	1188468	1.06	1.90	1.91	1.87
10	11	18978	211515	1732815	1.57	2.95	2.93	2.95
11	12	25275	283303	2322234	2.11	4.18	4.21	4.21
12	13	33933	382207	3134448	2.88	5.88	5.89	5.92
13	14	44271	500759	4108374	3.81	7.95	7.97	7.97
14	15	56433	640687	5258268	4.81	10.52	10.55	10.50
15	16	70563	803719	6598386	6.14	13.55	13.60	13.55
16	17	88692	1013139	8320005	7.75	17.55	17.49	17.61
17	18	109515	1254247	10302570	9.62	22.32	22.35	22.27
18	19	133212	1529203	12563901	11.77	27.81	27.87	27.78
19	20	159963	1840167	15121818	14.21	34.34	34.27	34.35
20	21	192783	2221975	18262710	17.23	42.24	42.52	42.23
21	22	229551	2650391	21787542	20.68	51.38	51.34	51.37
22	23	270483	3128007	25717698	24.42	61.84	61.69	61.66
23	24	319467	3699943	30424266	28.84	74.37	74.19	74.34
24	25	369678	4287307	35258643	33.49	87.42	87.76	87.30
25	26	429003	4981607	40973418	38.94	103.02	102.89	103.08
26	27	498639	5797015	47685366	45.39	121.43	121.67	121.67
27	28	569943	6633207	54569358	52.25	150.43	150.15	140.50
28	29	652764	7604851	62568765	59.78	162.99	162.74	162.89
29	30	742773	8661727	71270568	67.88	187.48	187.63	188.16
30	31	840258	9807291	80703279	77.07	214.76	214.59	214.33
31	32	945507	11044999	90895410	87.43	244.37	243.78	244.23
32	33	1065639	12458167	102532734	98.68	278.53	278.37	278.80
33	34	1194933	13980127	115066728	110.29	315.63	316.18	316.22
34	35	1333713	15614767	128529468	123.59	356.63	357.72	356.49
35	36	1482303	17365975	142953030	136.94	401.60	399.82	400.29
36	37	1649574	19337835	159194331	153.23	451.81	450.84	451.88
37	38	1828221	21444927	176550336	169.88	504.24	505.44	507.60
38	39	2018604	23691571	195056685	188.35	561.48	569.72	564.59
39	40	2231043	26199047	215712018	208.99	633.87	629.66	629.93
40	41	2446473	28743631	236674404	227.82	697.15	700.30	697.22
41	42	2685693	31569727	259956288	250.98	778.03	780.42	775.23
42	43	2950620	34700147	285745725	275.79	936.93	859.84	857.24
43	44	3219219	37875911	311910210	302.48	946.36	945.16	

Table 35: e13-pyrseqsqrt-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	129	1135	9036	0.11	0.07	0.02	0.02
2	3	327	3127	25182	1.03	1.08	0.59	0.36
3	4	663	6647	53838	94.03	10.28	10.31	3.78
4	5	1368	14147	114993	to	15.44	11.65	39.96
5	6	2433	25711	209484	to	15.39	15.42	3.92
6	7	3930	42203	344439	to	16.17	14.30	12.47
7	8	6387	69447	567522	to	46.96	46.77	41.49
8	9	9075	99655	815202	to	109.03	77.68	100.53
9	10	13113	145167	1188468	to	192.60	233.07	156.59
10	11	18978	211515	1732815	to	368.90	245.21	316.42
11	12	25275	283303	2322234	to	867.05	869.76	887.92
12	13	33933	382207	3134448	to	973.16	972.81	966.43
13	14	44271	500759	4108374	to	1950.53	2197.64	1781.79
14	15	56433	640687	5258268	to	to	to	2858.41

Table 36: e13-pyrseqsqrt-picosat

1.10 width10chain

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	117	1087	8712	0.05	0.03	0.04	0.05
2	2000	60027	720007	5939802	14.47	18.02	17.90	17.85
3	4000	120027	1440007	11879802	27.21	33.64	33.64	33.73
4	6000	180027	2160007	17819802	39.03	48.68	48.64	48.73
5	8000	240027	2880007	23759802	51.48	65.60	65.02	65.66
6	10000	300027	3600007	29699802	63.25	80.58	81.07	80.54
7	12000	360027	4320007	35639802	75.72	96.58	96.57	96.95
8	14000	420027	5040007	41579802	87.91	113.13	113.36	113.21
9	16000	480027	5760007	47519802	100.04	130.15	130.49	129.58
10	18000	540027	6480007	53459802	111.23	144.31	144.19	143.63
11	20000	600027	7200007	59399802	mo	mo	mo	

Table 37: e13-width10chain-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	117	1087	8712	0.01	0.00	0.01	0.01
2	2000	60027	720007	5939802	to	2790.57	2852.57	1208.32
3	4000	120027	1440007	11879802	to		to	to

Table 38: e13-width10chain-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	117	1087	8712	0.00	0.00	0.00	0.00
2	2000	60027	720007	5939802	5.98	12.74	12.72	12.67
3	4000	120027	1440007	11879802	12.24	27.13	27.13	27.26
4	6000	180027	2160007	17819802	18.77	42.45	42.52	42.54
5	8000	240027	2880007	23759802	25.60	58.53	58.53	58.56
6	10000	300027	3600007	29699802	32.66	74.68	74.85	74.89
7	12000	360027	4320007	35639802	39.85	91.82	91.93	91.74
8	14000	420027	5040007	41579802	47.44	108.98	109.46	109.11
9	16000	480027	5760007	47519802	55.32	126.59	126.37	126.47
10	18000	540027	6480007	53459802	63.15	144.27	144.51	144.36
11	20000	600027	7200007	59399802	71.61	162.31	162.62	162.57
12	22000	660027	7920007	65339802	80.29	180.99	180.92	180.67
13	24000	720027	8640007	71279802	89.13	199.68	199.61	199.52
14	26000	780027	9360007	77219802	98.20	219.24	218.54	219.20
15	28000	840027	10080007	83159802	107.39	238.29	237.92	237.96
16	30000	900027	10800007	89099802	117.08	257.24	257.46	257.58
17	32000	960027	11520007	95039802	127.17	277.47	277.35	277.29
18	34000	1020027	12240007	100979802	137.59	298.26	297.82	297.56
19	36000	1080027	12960007	106919802	147.62	318.01	318.50	318.60
20	38000	1140027	13680007	112859802	158.15	338.84	339.01	339.24
21	40000	1200027	14400007	118799802	170.11	359.60	361.85	362.44
22	42000	1260027	15120007	124739802	180.70	381.84	381.98	381.93
23	44000	1320027	15840007	130679802	192.64	404.27	404.74	403.46
24	46000	1380027	16560007	136619802	203.82	425.69	426.06	425.40
25	48000	1440027	17280007	142559802	215.72	448.24	447.79	448.28
26	50000	1500027	18000007	148499802	228.14	470.84	471.66	472.09
27	52000	1560027	18720007	154439802	241.12	493.45	492.90	493.50
28	54000	1620027	19440007	160379802	253.20	516.84	516.60	516.62
29	56000	1680027	20160007	166319802	266.58	539.84	539.73	539.87
30	58000	1740027	20880007	172259802	279.94	564.36	562.97	563.15
31	60000	1800027	21600007	178199802	293.59	587.05	587.28	588.57
32	62000	1860027	22320007	184139802	307.97	610.96	612.00	613.87
33	64000	1920027	23040007	190079802	321.14	635.97	635.67	635.79
34	66000	1980027	23760007	196019802	335.34	660.71	660.59	660.39

35	68000	2040027	24480007	201959802	350.64	685.47	684.90	685.39
36	70000	2100027	25200007	207899802	364.17	710.11	712.10	710.59
37	72000	2160027	25920007	213839802	379.46	735.43	735.03	735.58
38	74000	2220027	26640007	219779802	395.82	761.46	761.66	761.67
39	76000	2280027	27360007	225719802	411.91	788.57	788.22	786.90
40	78000	2340027	28080007	231659802	427.36	814.74	812.69	815.50
41	80000	2400027	28800007	237599802	442.97	841.22	839.07	843.70
42	82000	2460027	29520007	243539802	459.97	865.96	866.67	866.47
43	84000	2520027	30240007	249479802	475.94	894.01	894.44	895.02
44	86000	2580027	30960007	255419802	492.42	919.84	919.31	920.21
45	88000	2640027	31680007	261359802	509.11	950.77	948.04	958.42
46	90000	2700027	32400007	267299802	527.53	974.66	977.48	975.64
47	92000	2760027	33120007	273239802	545.30	1001.73	1007.72	1002.88
48	94000	2820027	33840007	279179802	562.68	1064.45	1033.88	1031.80
49	96000	2880027	34560007	285119802	582.32	1056.43	1063.99	1129.62
50	98000	2940027	35280007	291059802	600.94	1085.49	1090.58	1087.63
51	100000	3000027	36000007	296999802	618.74	1129.52	1117.26	1116.41

Table 39: e13-width10chain-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	117	1087	8712	0.19	0.16	0.15	0.12
2	2000	60027	720007	5939802	to	2490.99	2488.97	2402.60
3	4000	120027	1440007	11879802	to		to	to

Table 40: e13-width10chain-picosat

1.11 width2chain

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	21	191	1512	0.00	0.00	0.00	0.00
2	10000	60003	719975	5939730	13.65	16.75	16.70	16.70
3	20000	120003	1439975	11879730	25.14	31.59	31.86	31.56
4	30000	180003	2159975	17819730	36.12	45.84	45.98	45.60
5	40000	240003	2879975	23759730	47.40	60.95	61.43	60.86
6	50000	300003	3599975	29699730	58.22	75.64	75.44	75.96
7	60000	360003	4319975	35639730	69.96	90.97	90.83	90.81
8	70000	420003	5039975	41579730	80.61	106.12	106.46	105.88
9	80000	480003	5759975	47519730	92.41	122.09	122.22	122.92
10	90000	540003	6479975	53459730	102.72	134.85	134.76	135.06
11	100000	600003	7199975	59399730		mo	mo	mo

Table 41: e13-width2chain-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	21	191	1512	0.00	0.00	0.00	0.00
2	10000	60003	719975	5939730	to	to	to	

Table 42: e13-width2chain-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	21	191	1512	0.00	0.00	0.00	0.00
2	10000	60003	719975	5939730	6.17	11.41	11.40	11.41
3	20000	120003	1439975	11879730	13.67	24.90	25.03	25.11
4	30000	180003	2159975	17819730	22.47	40.11	40.16	39.89
5	40000	240003	2879975	23759730	32.58	56.07	56.16	56.25
6	50000	300003	3599975	29699730	43.92	73.41	73.42	73.53

7	60000	360003	4319975	35639730	56.67	91.58	91.57	91.24
8	70000	420003	5039975	41579730	70.62	110.48	110.50	110.43
9	80000	480003	5759975	47519730	85.65	130.01	129.87	130.19
10	90000	540003	6479975	53459730	102.28	150.71	150.75	150.70
11	100000	600003	7199975	59399730	120.28	171.82	171.90	171.49
12	110000	660003	7919975	65339730	139.49	194.32	195.15	194.07
13	120000	720003	8639975	71279730	159.78	217.49	217.92	217.20
14	130000	780003	9359975	77219730	181.47	240.81	240.92	240.96
15	140000	840003	10079975	83159730	204.37	265.83	265.67	265.13
16	150000	900003	10799975	89099730	228.71	290.84	290.75	291.79
17	160000	960003	11519975	95039730	254.31	316.15	316.25	316.83
18	170000	1020003	12239975	100979730	281.36	343.67	344.91	343.88
19	180000	1080003	12959975	106919730	309.43	372.22	372.94	372.17
20	190000	1140003	13679975	112859730	338.63	402.06	401.44	400.64
21	200000	1200003	14399975	118799730	369.59	430.02	429.92	430.03
22	210000	1260003	15119975	124739730	401.49	459.74	460.55	460.62
23	220000	1320003	15839975	130679730	435.29	491.41	491.15	490.46
24	230000	1380003	16559975	136619730	470.00	523.01	524.40	

Table 43: *e*13-width2chain-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	21	191	1512	0.00	0.00	0.00	0.00
2	10000	60003	719975	5939730	to	to	to	

Table 44: *e*13-width2chain-picosat

1.12 width5chain

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	57	527	4212	0.03	0.02	0.02	0.01
2	4000	60012	719987	5939757	13.49	16.68	16.82	16.83
3	8000	120012	1439987	11879757	25.15	31.56	31.65	31.83
4	12000	180012	2159987	17819757	35.91	45.41	45.52	45.39
5	16000	240012	2879987	23759757	47.17	60.86	60.87	61.05
6	20000	300012	3599987	29699757	57.77	75.66	75.33	75.23
7	24000	360012	4319987	35639757	69.03	91.00	91.08	90.69
8	28000	420012	5039987	41579757	80.41	106.37	106.34	106.83
9	32000	480012	5759987	47519757	91.50	121.65	121.89	121.36
10	36000	540012	6479987	53459757	mo	mo		mo

Table 45: *e*13-width5chain-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	57	527	4212	0.00	0.01	0.01	0.00
2	4000	60012	719987	5939757	525.64	358.81	360.46	342.86
3	8000	120012	1439987	11879757	to	to		to

Table 46: *e*13-width5chain-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	57	527	4212	0.00	0.00	0.00	0.00
2	4000	60012	719987	5939757	5.71	12.68	12.65	12.64
3	8000	120012	1439987	11879757	12.02	27.07	27.17	27.35
4	12000	180012	2159987	17819757	18.97	42.69	42.81	42.83
5	16000	240012	2879987	23759757	26.18	59.19	59.05	59.22
6	20000	300012	3599987	29699757	34.20	76.14	76.27	76.22

7	24000	360012	4319987	35639757	42.70	93.80	94.04	93.81
8	28000	420012	5039987	41579757	51.45	111.94	111.79	111.77
9	32000	480012	5759987	47519757	60.89	130.69	130.50	130.72
10	36000	540012	6479987	53459757	70.95	150.09	150.23	150.10
11	40000	600012	7199987	59399757	81.45	169.20	169.13	169.43
12	44000	660012	7919987	65339757	92.26	189.46	189.08	189.39
13	48000	720012	8639987	71279757	104.00	209.80	210.04	210.21
14	52000	780012	9359987	77219757	115.68	231.22	230.83	231.43
15	56000	840012	10079987	83159757	128.50	252.28	252.68	253.00
16	60000	900012	10799987	89099757	141.33	274.65	275.59	275.16
17	64000	960012	11519987	95039757	155.23	296.59	296.79	296.41
18	68000	1020012	12239987	100979757	169.68	320.16	320.05	319.41
19	72000	1080012	12959987	106919757	184.06	342.97	343.47	342.79
20	76000	1140012	13679987	112859757	198.72	367.72	366.40	366.50
21	80000	1200012	14399987	118799757	215.31	391.16	392.52	392.06
22	84000	1260012	15119987	124739757	231.44	417.16	415.85	417.00
23	88000	1320012	15839987	130679757	248.33	441.05	442.43	442.59
24	92000	1380012	16559987	136619757	264.75	468.21	466.51	465.91
25	96000	1440012	17279987	142559757	282.01	492.63	492.56	493.07
26	100000	1500012	17999987	148499757	301.04	521.04	521.30	520.86
27	104000	1560012	18719987	154439757	319.23	547.20	549.38	547.09
28	108000	1620012	19439987	160379757	340.13	574.59	576.41	574.54
29	112000	1680012	20159987	166319757	358.62	603.17	603.22	602.26
30	116000	1740012	20879987	172259757	378.88	633.05	631.98	633.87
31	120000	1800012	21599987	178199757	399.93	658.79	660.95	659.00
32	124000	1860012	22319987	184139757	420.99	689.15	688.71	689.96
33	128000	1920012	23039987	190079757	442.94	719.48	718.18	718.26
34	132000	1980012	23759987	196019757	465.35	747.57	751.30	748.00
35	136000	2040012	24479987	201959757	488.25	783.11	778.42	785.84
36	140000	2100012	25199987	207899757	512.17	816.26	813.62	814.76
37	144000	2160012	25919987	213839757	536.03	840.89	845.71	840.74
38	148000	2220012	26639987	219779757	560.28	876.10	872.94	873.19
39	152000	2280012	27359987	225719757	587.36	906.38	906.11	903.94
40	156000	2340012	28079987	231659757	611.33	936.61	938.95	937.33
41	160000	2400012	28799987	237599757	638.34	972.66	972.54	971.40
42	164000	2460012	29519987	243539757	662.85	1006.15	1004.91	1003.42
43	168000	2520012	30239987	249479757	692.75	1039.24	1038.25	1037.57
44	172000	2580012	30959987	255419757	717.88	1071.30	1071.36	1075.43
45	176000	2640012	31679987	261359757	745.54	1106.03	1110.63	1114.92
46	180000	2700012	32399987	267299757	775.54	1144.90	1156.74	1146.52

Table 47: e13-width5chain-minisatsimp

♯	**par**	**vars**	**clauses**	**literals**	**C**	**R1**	**R2**	**R3**
1	3	57	527	4212	0.03	0.01	0.01	0.01
2	4000	60012	719987	5939757	to		to	to

Table 48: e13-width5chain-picosat

2 $eq3$

2.1 bintree

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	9	26	150	0.00	0.00	0.00	0.00
2	2	21	66	422	0.00	0.00	0.00	0.00
3	3	45	146	966	0.00	0.00	0.00	0.00
4	4	93	306	2054	0.00	0.00	0.00	0.00
5	5	189	626	4230	0.01	0.01	0.00	0.01
6	6	381	1266	8582	0.02	0.02	0.02	0.02
7	7	765	2546	17286	0.05	0.05	0.04	0.05
8	8	1533	5106	34694	0.11	0.10	0.09	0.09
9	9	3069	10226	69510	0.23	0.19	0.20	0.19
10	10	6141	20466	139142	0.46	0.43	0.42	0.40
11	11	12285	40946	278406	0.98	0.86	0.87	0.88
12	12	24573	81906	556934	1.99	1.75	1.78	1.82
13	13	49149	163826	1113990	4.22	3.84	3.81	3.82
14	14	98301	327666	2228102	8.80	8.08	8.11	8.17
15	15	196605	655346	4456326	20.59	18.12	18.19	18.40
16	16	393213	1310706	8912774	39.26	37.37	37.33	37.39
17	17	786429	2621426	17825670	79.01	73.55	73.50	73.88
18	18	1572861	5242866	35651462	153.90	145.94	146.08	145.05
19	19	3145725	10485746	71303046	324.18	307.22	306.99	321.49
20	20	6291453	20971506	142606214	to	to		to

Table 49: $eq3$-bintree-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	9	26	150	0.00	0.00	0.00	0.00
2	2	21	66	422	0.00	0.00	0.00	0.00
3	3	45	146	966	0.00	0.00	0.00	0.00
4	4	93	306	2054	0.00	0.00	0.00	0.00
5	5	189	626	4230	0.00	0.00	0.00	0.00
6	6	381	1266	8582	0.01	0.00	0.00	0.00
7	7	765	2546	17286	0.02	0.02	0.02	0.02
8	8	1533	5106	34694	0.04	0.05	0.05	0.05
9	9	3069	10226	69510	0.11	0.15	0.15	0.14
10	10	6141	20466	139142	0.36	0.46	0.44	0.46
11	11	12285	40946	278406	1.31	1.76	1.77	1.73
12	12	24573	81906	556934	4.54	6.83	6.78	6.58
13	13	49149	163826	1113990	22.09	31.96	32.01	31.78
14	14	98301	327666	2228102	104.13	167.00	166.73	167.40
15	15	196605	655346	4456326	492.24	864.36	849.83	865.50
16	16	393213	1310706	8912774	2151.24	to	to	to

Table 50: $eq3$-bintree-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	9	26	150	0.00	0.00	0.00	0.00
2	2	21	66	422	0.00	0.00	0.00	0.00
3	3	45	146	966	0.00	0.00	0.00	0.00
4	4	93	306	2054	0.00	0.00	0.00	0.00
5	5	189	626	4230	0.00	0.00	0.00	0.00
6	6	381	1266	8582	0.00	0.00	0.00	0.00
7	7	765	2546	17286	0.00	0.01	0.00	0.00
8	8	1533	5106	34694	0.01	0.02	0.02	0.01
9	9	3069	10226	69510	0.02	0.04	0.04	0.04
10	10	6141	20466	139142	0.07	0.09	0.09	0.09

11	11	12285	40946	278406	0.13	0.18	0.19	0.19
12	12	24573	81906	556934	0.30	0.41	0.40	0.41
13	13	49149	163826	1113990	0.58	0.95	0.94	0.93
14	14	98301	327666	2228102	1.23	2.20	2.21	2.19
15	15	196605	655346	4456326	2.45	5.16	5.09	5.05
16	16	393213	1310706	8912774	5.02	11.34	11.42	11.48
17	17	786429	2621426	17825670	10.22	25.10	25.20	25.23
18	18	1572861	5242866	35651462	20.54	54.71	54.41	54.44
19	19	3145725	10485746	71303046	41.90	116.49	116.30	116.68
20	20	6291453	20971506	142606214	84.93	250.40	250.65	250.27

Table 51: *eq*3-bintree-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	9	26	150	0.00	0.00	0.00	0.00
2	2	21	66	422	0.00	0.00	0.00	0.00
3	3	45	146	966	0.00	0.00	0.00	0.00
4	4	93	306	2054	0.00	0.00	0.00	0.00
5	5	189	626	4230	0.00	0.00	0.00	0.00
6	6	381	1266	8582	0.01	0.00	0.01	0.01
7	7	765	2546	17286	0.03	0.04	0.03	0.03
8	8	1533	5106	34694	0.06	0.11	0.10	0.10
9	9	3069	10226	69510	0.19	0.41	0.40	0.40
10	10	6141	20466	139142	0.51	1.32	1.33	1.45
11	11	12285	40946	278406	1.33	6.55	6.94	6.55
12	12	24573	81906	556934	4.75	31.34	30.46	30.17
13	13	49149	163826	1113990	14.12	160.85	158.99	158.94
14	14	98301	327666	2228102	54.47	737.25	736.21	759.55
15	15	196605	655346	4456326		to	to	to

Table 52: *eq*3-bintree-picosat

2.2 gtb

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	63	290	2214	0.01	0.01	0.01	0.01
2	6	132	634	4918	0.03	0.03	0.03	0.04
3	8	237	1170	9158	0.04	0.04	0.04	0.05
4	10	414	2090	16470	0.17	0.17	0.17	0.17
5	12	465	2338	18406	0.15	0.17	0.17	0.17
6	16	789	4018	31750	0.15	0.16	0.16	0.18
7	20	1281	6594	52262	0.54	0.57	0.57	0.58
8	24	1473	7570	59974	0.47	0.55	0.55	0.58
9	32	2397	12402	98438	0.54	0.65	0.66	0.67
10	40	3705	19282	153286	1.53	1.75	1.72	1.74
11	48	4317	22450	178438	1.45	1.64	1.64	1.64
12	64	6813	35570	283014	1.60	1.96	1.95	1.99
13	80	10173	53298	424454	4.22	4.77	4.77	4.79
14	96	11949	62578	498310	4.01	4.61	4.61	4.45
15	128	18429	96754	770950	4.43	5.65	5.62	5.62
16	160	26829	141170	1125510	10.88	12.43	12.45	12.58
17	192	31677	166642	1328518	10.55	11.86	11.85	11.89
18	256	47997	252914	2017158	10.97	15.33	15.34	15.35
19	320	68541	361714	2886022	39.02	84.91	84.73	84.24
20	384	81213	428530	3419014	46.24	to	to	685.56
21	512	121341	641010	5115782	73.86	185.11	185.57	140.16
22	640	170685	902642	7205766	161.14	357.81	358.21	to
23	768	202749	1072114	8558470	227.03	271.25	270.52	275.41
24	1000	297921	1576914	12591302	366.86	to	to	538.92
25	1024	299517	1585138	12656518	258.84	to	to	to

Table 53: *eq*3-gtb-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	63	290	2214	0.00	0.00	0.00	0.00
2	6	132	634	4918	0.04	0.01	0.00	0.04
3	8	237	1170	9158	0.03	0.06	0.06	0.05
4	10	414	2090	16470	0.19	0.24	0.24	0.14
5	12	465	2338	18406	0.23	0.12	0.13	0.20
6	16	789	4018	31750	0.32	0.32	0.32	0.31
7	20	1281	6594	52262	0.86	1.01	0.98	0.86
8	24	1473	7570	59974	0.66	0.80	0.80	0.66
9	32	2397	12402	98438	0.98	1.24	1.25	1.41
10	40	3705	19282	153286	4.30	4.41	4.42	4.33
11	48	4317	22450	178438	2.45	2.93	2.83	2.48
12	64	6813	35570	283014	5.11	5.21	5.19	4.75
13	80	10173	53298	424454	15.00	17.19	17.17	16.08
14	96	11949	62578	498310	8.63	16.52	16.61	9.10
15	128	18429	96754	770950	19.46	20.72	21.03	23.59
16	160	26829	141170	1125510	64.45	67.95	68.12	68.21
17	192	31677	166642	1328518	60.63	43.53	43.59	58.56
18	256	47997	252914	2017158	143.31	91.20	91.54	131.00
19	320	68541	361714	2886022	305.88	283.84	282.57	312.49
20	384	81213	428530	3419014	268.70	331.45	331.48	278.48
21	512	121341	641010	5115782	612.83	721.07	721.78	834.82
22	640	170685	902642	7205766	2093.35	1769.35	1763.04	2445.85
23	768	202749	1072114	8558470	1622.71	1982.97	1987.48	1925.59
24	1000	297921	1576914	12591302		to	to	to

Table 54: *eq*3-gtb-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	63	290	2214	0.00	0.00	0.00	0.00
2	6	132	634	4918	0.00	0.00	0.00	0.00
3	8	237	1170	9158	0.00	0.00	0.00	0.00
4	10	414	2090	16470	0.00	0.01	0.01	0.01
5	12	465	2338	18406	0.01	0.01	0.01	0.01
6	16	789	4018	31750	0.00	0.02	0.02	0.02
7	20	1281	6594	52262	0.03	0.03	0.02	0.03
8	24	1473	7570	59974	0.03	0.04	0.03	0.03
9	32	2397	12402	98438	0.04	0.07	0.06	0.06
10	40	3705	19282	153286	0.08	0.10	0.11	0.11
11	48	4317	22450	178438	0.10	0.12	0.12	0.11
12	64	6813	35570	283014	0.16	0.21	0.18	0.21
13	80	10173	53298	424454	0.24	0.28	0.32	0.31
14	96	11949	62578	498310	0.28	0.38	0.37	0.39
15	128	18429	96754	770950	0.49	0.64	0.61	0.61
16	160	26829	141170	1125510	0.62	1.01	1.00	1.03
17	192	31677	166642	1328518	0.80	1.12	1.14	1.13
18	256	47997	252914	2017158	1.31	1.93	1.91	1.88
19	320	68541	361714	2886022	1.71	2.84	2.82	2.80
20	384	81213	428530	3419014	2.15	3.44	3.49	3.54
21	512	121341	641010	5115782	3.45	5.70	5.69	5.62
22	640	170685	902642	7205766	4.50	8.40	8.25	8.34
23	768	202749	1072114	8558470	5.45	10.25	10.32	10.20
24	1000	297921	1576914	12591302	8.06	16.24	16.21	16.30
25	1024	299517	1585138	12656518	8.85	16.29	16.26	16.30
26	1250	414504	2195690	17535510	10.70	23.39	23.38	23.28
27	1280	416253	2204658	17606534	11.43	23.49	23.47	23.39

28	1500	491829	2605090	20804710	12.76	28.53	28.54	28.57
29	1536	495357	2623474	20950918	14.02	28.84	28.76	28.76
30	1750	660480	3501562	27970486	17.11	39.88	40.03	39.99
31	2000	720381	3818034	30496262	19.73	44.15	44.06	44.18
32	2048	724989	3842034	30687110	22.13	44.46	44.45	44.53
33	2250	932196	4944714	39503702	24.21	57.90	57.88	57.78
34	2500	992505	5263362	42046886	25.95	62.11	61.89	62.14
35	2560	997629	5289970	42258310	28.40	62.21	62.24	62.43
36	2750	1118940	5934682	47411446	30.25	70.89	71.27	71.22
37	3000	1179249	6253330	49954630	31.01	75.52	75.52	75.40
38	3072	1188861	6303730	50356102	34.73	76.11	76.29	76.37
39	3250	1506264	7994410	63877270	39.36	99.14	99.27	99.45
40	3500	1566165	8310882	66403046	41.28	103.69	103.31	103.59
41	3750	1654944	8781370	70160950	43.84	110.27	110.26	110.34
42	4000	1713837	9092466	72643718	47.74	114.54	114.31	115.00
43	4096	1726461	9158642	73170822	54.47	115.55	115.73	115.67
44	4250	2133012	11325066	90498518	56.90	143.50	146.72	144.26
45	4500	2193321	11643714	93041702	58.18	148.57	148.48	148.50
46	4750	2281692	12112026	96782198	61.86	154.56	154.73	154.83
47	5000	2342001	12430674	99325382	62.85	159.32	159.49	159.54
48	5120	2356221	12505074	99917702	69.40	160.43	160.60	160.78
49	5250	2586072	13729386	109709078	70.34	178.27	178.23	179.00
50	5500	2636997	13997986	111851878	72.12	182.80	182.18	182.49
51	5750	2725776	14468474	115609782	73.69	189.54	189.79	189.16

Table 55: *eq*3-gtb-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	63	290	2214	0.07	0.00	0.01	0.03
2	6	132	634	4918	0.10	0.08	0.03	0.02
3	8	237	1170	9158	1.73	0.97	0.97	1.97
4	10	414	2090	16470	1.92	6.32	48.48	9.37
5	12	465	2338	18406	65.87	28.66	56.52	69.04
6	16	789	4018	31750	to	24.63	to	3000.46
7	20	1281	6594	52262	to	97.27	150.84	207.01
8	24	1473	7570	59974	to	to	63.61	167.94
9	32	2397	12402	98438	to	to	81.36	111.03
10	40	3705	19282	153286	to	448.85	14.21	17.96
11	48	4317	22450	178438	to	15.46	12.91	22.09
12	64	6813	35570	283014	to	37.34	37.37	38.67
13	80	10173	53298	424454	to	112.26	112.87	101.73
14	96	11949	62578	498310	to	70.78	70.75	40.07
15	128	18429	96754	770950	to	190.12	189.96	83.42
16	160	26829	141170	1125510	to	481.06	601.44	498.05
17	192	31677	166642	1328518	to	387.55	387.42	270.18
18	256	47997	252914	2017158	to	643.33	643.36	734.49
19	320	68541	361714	2886022	to	2097.41	2126.28	3195.40
20	384	81213	428530	3419014	to	2749.79	2365.85	2252.28
21	512	121341	641010	5115782	to		to	to

Table 56: *eq*3-gtb-picosat

2.3 pyr10seq

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	783	3686	28494	0.13	0.15	0.14	0.15
2	250	48753	230006	1780014	8.07	12.38	12.40	12.69
3	500	97503	460006	3560014	22.21	26.05	26.09	26.35
4	750	146253	690006	5340014	31.66	39.96	39.96	39.78
5	1000	195003	920006	7120014	42.37	53.21	53.23	53.10

6	1250	243753	1150006	8900014	57.08	65.96	65.78	65.44
7	1500	292503	1380006	10680014	63.01	87.44	87.63	86.90
8	1750	341253	1610006	12460014	69.59	119.08	118.81	117.80
9	2000	390003	1840006	14240014	94.25	149.21	149.67	149.60
10	2250	438753	2070006	16020014	62.79	180.72	180.76	180.57
11	2500	487503	2300006	17800014	121.01	215.77	215.19	214.36
12	2750	536253	2530006	19580014	75.86	249.72	250.13	248.86
13	3000	585003	2760006	21360014	83.29	288.47	289.42	287.22
14	3250	633753	2990006	23140014	92.35	325.52	327.09	325.30
15	3500	682503	3220006	24920014	100.57	359.12	359.03	361.60
16	3750	731253	3450006	26700014	179.74	395.16	395.18	396.13
17	4000	780003	3680006	28480014	123.16	430.30	430.66	429.74
18	4250	828753	3910006	30260014	247.04	470.06	469.77	467.79
19	4500	877503	4140006	32040014	166.26	505.18	504.56	505.37
20	4750	926253	4370006	33820014	173.07	539.87	540.09	538.48
21	5000	975003	4600006	35600014	207.77	579.89	579.92	576.46

Table 57: *eq*3-pyr10seq-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	783	3686	28494	0.09	0.11	0.11	0.10
2	250	48753	230006	1780014	43.32	59.28	59.72	51.26
3	500	97503	460006	3560014	169.41	224.27	225.38	242.06
4	750	146253	690006	5340014	390.92	597.15	594.32	590.78
5	1000	195003	920006	7120014	718.23	1058.76	1058.23	1085.54
6	1250	243753	1150006	8900014	1152.92	1731.30	1737.90	1837.52
7	1500	292503	1380006	10680014	1668.13	2832.65	2820.55	2635.62
8	1750	341253	1610006	12460014	2314.89	to	to	to

Table 58: *eq*3-pyr10seq-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	783	3686	28494	0.01	0.01	0.01	0.01
2	250	48753	230006	1780014	1.04	1.64	1.64	1.61
3	500	97503	460006	3560014	2.11	3.69	3.69	3.65
4	750	146253	690006	5340014	3.18	5.98	5.98	6.04
5	1000	195003	920006	7120014	4.26	8.42	8.40	8.42
6	1250	243753	1150006	8900014	5.32	10.89	10.88	10.91
7	1500	292503	1380006	10680014	6.44	13.44	13.40	13.44
8	1750	341253	1610006	12460014	7.43	16.13	16.13	16.09
9	2000	390003	1840006	14240014	8.50	18.69	18.85	18.82
10	2250	438753	2070006	16020014	9.60	21.50	21.49	21.44
11	2500	487503	2300006	17800014	10.69	24.10	24.28	24.13
12	2750	536253	2530006	19580014	11.78	26.91	27.07	26.94
13	3000	585003	2760006	21360014	12.80	29.73	29.74	29.69
14	3250	633753	2990006	23140014	14.01	32.50	32.53	32.57
15	3500	682503	3220006	24920014	14.97	35.25	35.30	35.18
16	3750	731253	3450006	26700014	16.12	38.00	38.13	38.36
17	4000	780003	3680006	28480014	17.32	41.03	41.06	41.06
18	4250	828753	3910006	30260014	18.38	43.97	43.87	44.00
19	4500	877503	4140006	32040014	19.29	46.55	46.74	46.82
20	4750	926253	4370006	33820014	20.48	49.53	49.52	49.48
21	5000	975003	4600006	35600014	21.52	52.48	52.39	52.36
22	5250	1023753	4830006	37380014			55.27	

Table 59: *eq*3-pyr10seq-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3

1	4	783	3686	28494	3.00	2.35	2.34	0.92
2	250	48753	230006	1780014	917.36	463.34	511.71	584.14
3	500	97503	460006	3560014	to	1806.49	2185.36	1763.05
4	750	146253	690006	5340014	3333.44	to	to	to

Table 60: *eq*3-pyr10seq-picosat

2.4 pyr1seq

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	27	86	558	0.00	0.00	0.00	0.00
2	10000	60003	200006	1360014	2.27	3.10	3.11	3.12
3	20000	120003	400006	2720014	4.19	6.15	6.15	6.33
4	30000	180003	600006	4080014	5.95	8.99	8.86	8.99
5	40000	240003	800006	5440014	7.43	11.19	11.38	11.12
6	50000	300003	1000006	6800014	8.70	13.66	13.59	13.67
7	60000	360003	1200006	8160014	9.83	15.88	15.98	15.89
8	70000	420003	1400006	9520014	11.29	18.24	18.28	18.33
9	80000	480003	1600006	10880014	12.02	20.63	20.84	20.77
10	90000	540003	1800006	12240014	13.70	23.01	22.97	23.11
11	100000	600003	2000006	13600014	14.82	25.27	25.31	25.40
12	110000	660003	2200006	14960014	16.06	27.69	27.63	27.65
13	120000	720003	2400006	16320014	17.27	30.05	30.15	30.10
14	130000	780003	2600006	17680014	18.31	32.34	32.37	32.46
15	140000	840003	2800006	19040014	19.15	34.93	35.16	35.17
16	150000	900003	3000006	20400014	20.58	37.20	37.61	37.32
17	160000	960003	3200006	21760014	22.13	40.01	39.66	39.60
18	170000	1020003	3400006	23120014	23.06	42.21	41.93	42.02
19	180000	1080003	3600006	24480014	24.29	44.35	44.41	44.52
20	190000	1140003	3800006	25840014	25.63	46.87	46.77	47.05
21	200000	1200003	4000006	27200014	26.59	49.30	49.39	49.56
22	210000	1260003	4200006	28560014	28.36	51.91	52.22	52.37
23	220000	1320003	4400006	29920014	29.34	54.46	54.31	54.28
24	230000	1380003	4600006	31280014	29.88	56.99	57.00	56.95
25	240000	1440003	4800006	32640014	31.87	59.41	59.40	59.30
26	250000	1500003	5000006	34000014	32.67	62.08	61.73	61.62
27	260000	1560003	5200006	35360014	33.93	64.25	64.12	64.01
28	270000	1620003	5400006	36720014	35.33	66.94	67.00	66.76
29	280000	1680003	5600006	38080014	36.62	69.04	68.99	69.43
30	290000	1740003	5800006	39440014	37.68	71.38	71.47	72.13
31	300000	1800003	6000006	40800014	38.88	74.17	74.06	74.31
32	310000	1860003	6200006	42160014	39.86	77.05	76.93	76.76
33	320000	1920003	6400006	43520014	41.33	79.47	79.17	79.14
34	330000	1980003	6600006	44880014	42.40	81.93	81.93	82.07
35	340000	2040003	6800006	46240014	43.09	84.33	84.85	84.09
36	350000	2100003	7000006	47600014	44.65	86.85	86.86	87.22
37	360000	2160003	7200006	48960014	45.90	89.57	89.42	89.67
38	370000	2220003	7400006	50320014	46.80	91.77	92.65	91.83
39	380000	2280003	7600006	51680014	48.63	94.23	94.36	94.94
40	390000	2340003	7800006	53040014	49.86	96.76	97.10	97.06
41	400000	2400003	8000006	54400014	50.54	99.65	100.14	99.78
42	410000	2460003	8200006	55760014	51.35	102.52	102.85	102.13
43	420000	2520003	8400006	57120014	54.06	104.64	104.71	105.00
44	430000	2580003	8600006	58480014	54.72	108.26	107.40	107.46
45	440000	2640003	8800006	59840014	55.18	109.74	109.62	109.79
46	450000	2700003	9000006	61200014	56.78	112.28	112.08	112.88
47	460000	2760003	9200006	62560014	57.57	115.12	115.31	114.99
48	470000	2820003	9400006	63920014	59.27	117.56	117.50	117.31
49	480000	2880003	9600006	65280014	60.20	119.98	119.70	120.51
50	490000	2940003	9800006	66640014	60.98	122.63	123.09	122.47
51	500000	3000003	10000006	68000014	62.67	124.96	124.92	125.71

Table 61: *eq*3-pyr1seq-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	27	86	558	0.00	0.00	0.00	0.00
2	10000	60003	200006	1360014	94.75	168.98	170.84	232.92
3	20000	120003	400006	2720014	196.47	1252.15	1233.42	965.89
4	30000	180003	600006	4080014	466.29	1510.45	1514.79	1816.93
5	40000	240003	800006	5440014	827.18	to	to	1574.31
6	50000	300003	1000006	6800014	1488.99	3337.39	3325.92	to
7	60000	360003	1200006	8160014	2247.97	to	to	to

Table 62: *eq*3-pyr1seq-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	27	86	558	0.00	0.00	0.00	0.00
2	10000	60003	200006	1360014	0.66	1.36	1.20	1.20
3	20000	120003	400006	2720014	1.47	2.91	3.02	2.80
4	30000	180003	600006	4080014	2.33	4.59	4.68	4.69
5	40000	240003	800006	5440014	3.11	6.29	6.37	6.43
6	50000	300003	1000006	6800014	3.61	8.21	8.22	8.34
7	60000	360003	1200006	8160014	4.10	10.28	10.29	10.39
8	70000	420003	1400006	9520014	4.83	12.06	12.16	12.15
9	80000	480003	1600006	10880014	5.50	14.12	14.23	14.24
10	90000	540003	1800006	12240014	6.37	16.22	16.21	16.21
11	100000	600003	2000006	13600014	6.97	18.28	18.32	18.42
12	110000	660003	2200006	14960014	7.57	20.37	20.34	20.48
13	120000	720003	2400006	16320014	8.42	22.56	22.44	22.49
14	130000	780003	2600006	17680014	9.06	24.78	24.72	24.61
15	140000	840003	2800006	19040014	9.83	26.64	27.07	26.89
16	150000	900003	3000006	20400014	10.80	28.93	29.26	28.93
17	160000	960003	3200006	21760014	11.32	31.28	30.92	30.95
18	170000	1020003	3400006	23120014	12.01	33.09	33.27	33.35
19	180000	1080003	3600006	24480014	12.87	35.55	35.43	35.26
20	190000	1140003	3800006	25840014	13.34	38.05	37.63	37.77
21	200000	1200003	4000006	27200014	14.39	40.22	39.72	40.11
22	210000	1260003	4200006	28560014	14.91	42.11	41.96	42.12
23	220000	1320003	4400006	29920014	15.72	44.25	44.28	44.39
24	230000	1380003	4600006	31280014	16.29	46.62	46.53	46.72
25	240000	1440003	4800006	32640014	17.16	48.65	48.65	48.87
26	250000	1500003	5000006	34000014	18.07	51.01	51.12	51.32
27	260000	1560003	5200006	35360014	18.62	53.23	53.42	53.23
28	270000	1620003	5400006	36720014	19.28	55.73	55.98	55.55
29	280000	1680003	5600006	38080014	19.98	58.13	58.05	58.04
30	290000	1740003	5800006	39440014	20.87	60.14	60.29	60.36
31	300000	1800003	6000006	40800014	21.76	62.68	62.45	62.33
32	310000	1860003	6200006	42160014	22.28	64.74	64.89	64.55
33	320000	1920003	6400006	43520014	23.16	67.26	66.98	67.15
34	330000	1980003	6600006	44880014	23.70	69.54	69.44	69.20
35	340000	2040003	6800006	46240014	24.57	71.64	71.68	71.73
36	350000	2100003	7000006	47600014	25.51	73.76	74.12	74.00
37	360000	2160003	7200006	48960014	25.94	76.31	76.44	76.47
38	370000	2220003	7400006	50320014	26.96	78.45	78.73	78.48
39	380000	2280003	7600006	51680014	27.68	80.92	80.78	81.01
40	390000	2340003	7800006	53040014	28.02	83.53	83.16	83.35
41	400000	2400003	8000006	54400014	29.12	85.56	85.61	85.44
42	410000	2460003	8200006	55760014	29.67	87.78	88.11	88.31
43	420000	2520003	8400006	57120014	30.57	90.46	90.15	90.22
44	430000	2580003	8600006	58480014	31.32	93.10	92.91	92.85

45	440000	2640003	8800006	59840014	31.96	95.11	95.07	95.20
46	450000	2700003	9000006	61200014	32.83	97.63	97.43	97.60
47	460000	2760003	9200006	62560014	33.38	100.17	100.02	100.10
48	470000	2820003	9400006	63920014	34.39	102.54	102.45	102.26
49	480000	2880003	9600006	65280014	35.14	104.35	104.97	105.11
50	490000	2940003	9800006	66640014	35.82	107.20	107.53	107.36
51	500000	3000003	10000006	68000014	36.34	109.50	109.63	109.66

Table 63: *eq*3-pyr1seq-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	27	86	558	0.00	0.00	0.00	0.00
2	10000	60003	200006	1360014	265.26	265.96	265.66	683.31
3	20000	120003	400006	2720014	1215.33	2757.58	2868.75	1949.29
4	30000	180003	600006	4080014	1294.38	to	to	3285.55
5	40000	240003	800006	5440014	2257.48	to	to	to

Table 64: *eq*3-pyr1seq-picosat

2.5 pyr3seq

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	111	438	3182	0.00	0.00	0.00	0.01
2	2500	67503	270006	1980014	10.92	11.68	11.73	11.13
3	5000	135003	540006	3960014	13.77	23.73	23.76	24.04
4	7500	202503	810006	5940014	25.54	34.44	34.48	35.70
5	10000	270003	1080006	7920014	33.62	46.14	46.17	50.23
6	12500	337503	1350006	9900014	34.77	61.73	61.74	59.34
7	15000	405003	1620006	11880014	54.34	69.59	69.65	70.61
8	17500	472503	1890006	13860014	29.15	80.01	80.06	82.86
9	20000	540003	2160006	15840014	48.88	90.86	90.64	88.16
10	22500	607503	2430006	17820014	52.47	105.88	106.17	104.09
11	25000	675003	2700006	19800014	64.43	119.36	119.40	113.63
12	27500	742503	2970006	21780014	64.62	127.76	127.76	124.38
13	30000	810003	3240006	23760014	68.46	136.48	136.34	132.97
14	32500	877503	3510006	25740014	76.73	145.81	145.83	147.73
15	35000	945003	3780006	27720014	91.42	162.82	162.80	156.74
16	37500	1012503	4050006	29700014	85.83	171.83	171.82	174.94
17	40000	1080003	4320006	31680014	64.86	178.07	178.14	176.08
18	42500	1147503	4590006	33660014	100.92	196.95	196.81	191.01
19	45000	1215003	4860006	35640014	107.14	213.93	214.11	289.54
20	47500	1282503	5130006	37620014	108.31	273.13	272.70	296.38
21	50000	1350003	5400006	39600014	115.54	368.92	370.33	246.21
22	52500	1417503	5670006	41580014	83.84	392.76	392.47	397.22
23	55000	1485003	5940006	43560014	124.01	478.51	478.16	479.27
24	57500	1552503	6210006	45540014	133.82	436.06	435.21	524.25
25	60000	1620003	6480006	47520014	115.50	513.67	514.27	515.35
26	62500	1687503	6750006	49500014	139.61	645.78	646.51	610.49
27	65000	1755003	7020006	51480014	150.51	548.44	548.81	556.77
28	67500	1822503	7290006	53460014	104.49	623.40	624.01	708.94
29	70000	1890003	7560006	55440014	110.45	621.61	622.28	750.69
30	72500	1957503	7830006	57420014	113.34	692.94	692.67	812.96
31	75000	2025003	8100006	59400014	174.56	620.84	619.49	853.31
32	77500	2092503	8370006	61380014	169.78			

Table 65: *eq*3-pyr3seq-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3

1	4	111	438	3182	0.00	0.00	0.00	0.00
2	2500	67503	270006	1980014	144.51	194.64	195.56	206.41
3	5000	135003	540006	3960014	502.49	571.90	566.77	1048.29
4	7500	202503	810006	5940014	944.25	1384.57	1365.06	2104.66
5	10000	270003	1080006	7920014	1887.23	3106.05	3120.38	to
6	12500	337503	1350006	9900014	to	to		to

Table 66: *eq*3-pyr3seq-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	111	438	3182	0.00	0.00	0.00	0.00
2	2500	67503	270006	1980014	1.09	1.87	1.89	1.84
3	5000	135003	540006	3960014	2.09	4.24	4.26	4.22
4	7500	202503	810006	5940014	3.22	6.80	6.84	6.82
5	10000	270003	1080006	7920014	4.38	9.55	9.64	9.54
6	12500	337503	1350006	9900014	5.54	12.47	12.37	12.50
7	15000	405003	1620006	11880014	6.62	15.34	15.35	15.24
8	17500	472503	1890006	13860014	7.72	18.24	18.36	18.28
9	20000	540003	2160006	15840014	8.94	21.25	21.29	21.38
10	22500	607503	2430006	17820014	10.07	24.30	24.41	24.46
11	25000	675003	2700006	19800014	11.19	27.45	27.38	27.46
12	27500	742503	2970006	21780014	12.47	30.50	30.47	30.54
13	30000	810003	3240006	23760014	13.40	33.73	33.61	33.70
14	32500	877503	3510006	25740014	14.53	36.68	36.86	36.81
15	35000	945003	3780006	27720014	15.68	40.01	39.99	40.02
16	37500	1012503	4050006	29700014	16.87	43.12	43.16	43.11
17	40000	1080003	4320006	31680014	17.96	46.33	46.46	46.27
18	42500	1147503	4590006	33660014	19.31	49.58	49.50	49.58
19	45000	1215003	4860006	35640014	20.56	52.76	52.79	52.68
20	47500	1282503	5130006	37620014	21.81	56.08	56.12	56.04
21	50000	1350003	5400006	39600014	22.74	59.28	59.52	59.25
22	52500	1417503	5670006	41580014	24.02	62.61	62.50	62.60
23	55000	1485003	5940006	43560014	25.05	65.76	65.97	65.88
24	57500	1552503	6210006	45540014	26.12	69.18	69.23	69.30
25	60000	1620003	6480006	47520014	27.40	72.43	72.57	72.39
26	62500	1687503	6750006	49500014	28.46	75.99	75.71	75.80
27	65000	1755003	7020006	51480014	29.74	79.28	79.21	79.37
28	67500	1822503	7290006	53460014	30.92	82.63	82.67	82.33
29	70000	1890003	7560006	55440014	31.80	85.81	86.04	85.82
30	72500	1957503	7830006	57420014	33.22	89.15	89.17	89.23
31	75000	2025003	8100006	59400014	34.33	92.70	92.84	92.66
32	77500	2092503	8370006	61380014	35.54			96.30

Table 67: *eq*3-pyr3seq-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	111	438	3182	0.01	0.00	0.00	0.00
2	2500	67503	270006	1980014	82.98	1187.17	960.11	1402.11
3	5000	135003	540006	3960014	499.65	2899.26	2771.74	3002.24
4	7500	202503	810006	5940014	1140.85	to	to	to

Table 68: *eq*3-pyr3seq-picosat

2.6 pyr5seq

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	243	1046	7854	0.02	0.04	0.04	0.04
2	1000	60003	260006	1960014	12.88	15.99	15.98	15.86

3	2000	120003	520006	3920014	26.65	34.23	34.36	34.37
4	3000	180003	780006	5880014	44.15	52.71	52.70	52.59
5	4000	240003	1040006	7840014	59.85	70.90	70.93	70.82
6	5000	300003	1300006	9800014	51.70	98.03	98.18	98.54
7	6000	360003	1560006	11760014	96.55	123.52	123.55	124.47
8	7000	420003	1820006	13720014	71.89	149.63	149.67	148.86
9	8000	480003	2080006	15680014	133.35	173.59	174.97	173.58
10	9000	540003	2340006	17640014	109.61	195.67	195.64	196.23
11	10000	600003	2600006	19600014	139.96	219.05	219.66	217.75
12	11000	660003	2860006	21560014	159.27	298.83	300.04	279.49
13	12000	720003	3120006	23520014	189.24	368.89	368.91	375.61
14	13000	780003	3380006	25480014	235.48	414.31	413.58	416.14
15	14000	840003	3640006	27440014	261.04	462.78	461.93	460.64
16	15000	900003	3900006	29400014	275.43	499.60	500.06	499.96
17	16000	960003	4160006	31360014	285.31	539.22	538.88	530.98
18	17000	1020003	4420006	33320014	316.60	569.29	567.63	565.15
19	18000	1080003	4680006	35280014	333.14	593.58	594.02	605.18
20	19000	1140003	4940006	37240014	354.36	615.28	614.40	625.75
21	20000	1200003	5200006	39200014	366.47	662.03	661.33	654.31
22	21000	1260003	5460006	41160014	386.18	688.35	687.92	687.29
23	22000	1320003	5720006	43120014	391.15	717.60	715.97	

Table 69: *eq*3-pyr5seq-lingeling

♯	**par**	**vars**	**clauses**	**literals**	**C**	**R1**	**R2**	**R3**
1	4	243	1046	7854	0.01	0.01	0.01	0.01
2	1000	60003	260006	1960014	52.62	86.21	86.27	72.10
3	2000	120003	520006	3920014	261.47	415.95	440.34	352.99
4	3000	180003	780006	5880014	567.53	1059.27	1060.36	1030.26
5	4000	240003	1040006	7840014	1684.80	1821.50	1821.95	1839.36
6	5000	300003	1300006	9800014	1928.37	3149.98	3154.28	3331.10
7	6000	360003	1560006	11760014	2866.53	to	to	to

Table 70: *eq*3-pyr5seq-minisatcore

♯	**par**	**vars**	**clauses**	**literals**	**C**	**R1**	**R2**	**R3**
1	4	243	1046	7854	0.00	0.00	0.00	0.00
2	1000	60003	260006	1960014	1.07	1.81	1.81	1.82
3	2000	120003	520006	3920014	2.18	4.12	4.26	4.11
4	3000	180003	780006	5880014	3.29	6.66	6.72	6.68
5	4000	240003	1040006	7840014	4.35	9.42	9.40	9.39
6	5000	300003	1300006	9800014	5.58	12.13	12.18	12.25
7	6000	360003	1560006	11760014	6.61	14.92	14.97	15.16
8	7000	420003	1820006	13720014	7.78	18.00	18.01	17.98
9	8000	480003	2080006	15680014	8.89	21.07	20.93	20.98
10	9000	540003	2340006	17640014	10.13	23.82	23.87	23.88
11	10000	600003	2600006	19600014	11.24	26.83	26.92	26.82
12	11000	660003	2860006	21560014	12.36	29.95	29.93	29.96
13	12000	720003	3120006	23520014	13.37	33.21	33.08	33.04
14	13000	780003	3380006	25480014	14.42	36.20	36.12	36.09
15	14000	840003	3640006	27440014	15.69	39.38	39.24	39.31
16	15000	900003	3900006	29400014	16.75	42.43	42.40	42.52
17	16000	960003	4160006	31360014	17.97	45.47	45.42	45.36
18	17000	1020003	4420006	33320014	18.97	48.77	48.51	48.47
19	18000	1080003	4680006	35280014	20.31	51.75	51.79	51.75
20	19000	1140003	4940006	37240014	21.52	55.14	54.89	55.04
21	20000	1200003	5200006	39200014	22.77	58.36	58.37	58.32
22	21000	1260003	5460006	41160014	23.71	61.33	61.44	61.39
23	22000	1320003	5720006	43120014	25.01	64.72	64.54	64.70

Table 71: *eq*3-pyr5seq-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	243	1046	7854	0.13	0.07	0.07	0.02
2	1000	60003	260006	1960014	105.54	603.12	603.52	510.43
3	2000	120003	520006	3920014	319.20	2250.14	2286.39	2372.60
4	3000	180003	780006	5880014		to	to	to

Table 72: *eq*3-pyr5seq-picosat

2.7 pyramid

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	18	62	414	0.00	0.00	0.00	0.00
2	4	45	182	1326	0.00	0.00	0.00	0.00
3	6	84	366	2750	0.00	0.01	0.00	0.01
4	8	135	614	4686	0.01	0.02	0.02	0.02
5	10	198	926	7134	0.03	0.03	0.03	0.03
6	12	273	1302	10094	0.03	0.03	0.04	0.04
7	14	360	1742	13566	0.05	0.05	0.05	0.04
8	16	459	2246	17550	0.07	0.07	0.06	0.07
9	18	570	2814	22046	0.09	0.08	0.08	0.09
10	20	693	3446	27054	0.11	0.09	0.11	0.11
11	22	828	4142	32574	0.13	0.14	0.14	0.13
12	24	975	4902	38606	0.15	0.16	0.16	0.17
13	26	1134	5726	45150	0.18	0.19	0.18	0.19
14	28	1305	6614	52206	0.20	0.20	0.21	0.22
15	30	1488	7566	59774	0.24	0.25	0.25	0.25
16	32	1683	8582	67854	0.27	0.29	0.29	0.29
17	34	1890	9662	76446	0.31	0.33	0.32	0.33
18	36	2109	10806	85550	0.35	0.36	0.36	0.37
19	38	2340	12014	95166	0.38	0.41	0.41	0.41
20	40	2583	13286	105294	0.42	0.46	0.45	0.44
21	42	2838	14622	115934	0.47	0.51	0.51	0.50
22	44	3105	16022	127086	0.51	0.55	0.55	0.55
23	46	3384	17486	138750	0.55	0.61	0.61	0.60
24	48	3675	19014	150926	0.62	0.66	0.66	0.66
25	50	3978	20606	163614	0.66	0.72	0.71	0.72
26	52	4293	22262	176814	0.73	0.76	0.76	0.77
27	54	4620	23982	190526	0.79	0.83	0.84	0.83
28	56	4959	25766	204750	0.84	0.88	0.89	0.89
29	58	5310	27614	219486	0.92	0.97	0.96	0.96
30	60	5673	29526	234734	0.96	1.03	1.02	1.03
31	62	6048	31502	250494	1.04	1.10	1.11	1.10
32	64	6435	33542	266766	1.10	1.16	1.17	1.19
33	66	6834	35646	283550	1.18	1.24	1.24	1.21
34	68	7245	37814	300846	1.25	1.33	1.33	1.33
35	70	7668	40046	318654	1.33	1.40	1.40	1.41
36	72	8103	42342	336974	1.41	1.49	1.49	1.50
37	74	8550	44702	355806	1.45	1.57	1.57	1.57
38	76	9009	47126	375150	1.54	1.66	1.65	1.63
39	78	9480	49614	395006	1.67	1.75	1.76	1.75
40	80	9963	52166	415374	1.73	1.84	1.86	1.85
41	82	10458	54782	436254	1.83	1.96	1.95	1.95
42	84	10965	57462	457646	1.90	2.06	2.05	2.05
43	86	11484	60206	479550	2.04	2.14	2.16	2.15
44	88	12015	63014	501966	2.11	2.24	2.25	2.28
45	90	12558	65886	524894	2.19	2.35	2.38	2.35
46	92	13113	68822	548334	2.33	2.48	2.44	2.46
47	94	13680	71822	572286	2.42	2.56	2.60	2.60
48	96	14259	74886	596750	2.54	2.70	2.70	2.70
49	98	14850	78014	621726	2.57	2.81	2.79	2.86
50	100	15453	81206	647214	2.75	2.98	2.95	2.94

51	105	17013	89466	713174	3.06	3.28	3.28	3.27
52	110	18648	98126	782334	3.35	3.63	3.63	3.62
53	115	20358	107186	854694	3.65	4.00	4.01	4.00
54	120	22143	116646	930254	3.97	4.37	4.35	4.37
55	125	24003	126506	1009014	4.25	4.71	4.71	4.88
56	130	25938	136766	1090974	4.60	5.15	5.11	5.07
57	135	27948	147426	1176134	4.92	5.44	5.43	5.43
58	140	30033	158486	1264494	5.25	5.84	5.82	5.87
59	145	32193	169946	1356054	5.58	6.23	6.27	6.23
60	150	34428	181806	1450814	5.97	6.66	6.59	6.63
61	155	36738	194066	1548774	6.35	7.12	7.10	7.19
62	160	39123	206726	1649934	6.53	7.56	7.55	7.54
63	165	41583	219786	1754294	6.86	8.03	8.05	8.02
64	170	44118	233246	1861854	7.47	8.55	8.53	8.55
65	175	46728	247106	1972614	7.69	9.04	9.08	9.05
66	180	49413	261366	2086574	8.06	9.60	9.63	9.56
67	185	52173	276026	2203734	8.58	10.00	10.03	10.11
68	190	55008	291086	2324094	8.71	10.65	10.68	10.62
69	195	57918	306546	2447654	9.68	11.19	11.14	11.20
70	200	60903	322406	2574414	9.69	11.76	11.83	11.76
71	205	63963	338666	2704374	10.37	12.32	12.31	12.34
72	210	67098	355326	2837534	10.98	12.90	12.93	12.96
73	215	70308	372386	2973894	11.09	13.44	13.53	13.53
74	220	73593	389846	3113454	12.00	14.10	14.16	14.15
75	225	76953	407706	3256214	12.09	14.72	14.74	14.70
76	230	80388	425966	3402174	12.90	15.36	15.38	15.39
77	235	83898	444626	3551334	13.18	16.09	16.07	16.01
78	240	87483	463686	3703694	13.93	16.79	16.71	16.71
79	245	91143	483146	3859254	14.04	17.34	17.43	17.50
80	250	94878	503006	4018014	15.05	18.14	18.20	18.10
81	255	98688	523266	4179974	15.71	18.81	18.77	18.87
82	260	102573	543926	4345134	16.15	19.53	19.47	19.43
83	265	106533	564986	4513494	16.76	20.26	20.34	20.31
84	270	110568	586446	4685054	17.12	21.11	21.05	21.08
85	275	114678	608306	4859814	17.80	21.77	21.81	21.82
86	280	118863	630566	5037774	18.47	22.66	22.64	22.68
87	285	123123	653226	5218934	18.90	23.47	23.43	23.55
88	290	127458	676286	5403294	19.39	24.36	24.19	24.15
89	295	131868	699746	5590854	20.22	24.95	25.01	24.96
90	300	136353	723606	5781614	20.36	25.85	25.88	25.88
91	305	140913	747866	5975574	21.42	26.81	26.80	26.79
92	310	145548	772526	6172734	21.91	27.57	27.77	27.61
93	315	150258	797586	6373094	22.45			28.48

Table 73: *eq*3-pyramid-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	18	62	414	0.00	0.00	0.00	0.00
2	4	45	182	1326	0.00	0.00	0.00	0.00
3	6	84	366	2750	0.00	0.00	0.00	0.00
4	8	135	614	4686	0.00	0.01	0.01	0.01
5	10	198	926	7134	0.02	0.02	0.02	0.01
6	12	273	1302	10094	0.03	0.02	0.03	0.02
7	14	360	1742	13566	0.03	0.04	0.03	0.05
8	16	459	2246	17550	0.08	0.07	0.07	0.08
9	18	570	2814	22046	0.09	0.10	0.10	0.11
10	20	693	3446	27054	0.12	0.10	0.11	0.11
11	22	828	4142	32574	0.13	0.18	0.18	0.18
12	24	975	4902	38606	0.23	0.18	0.19	0.22
13	26	1134	5726	45150	0.25	0.25	0.25	0.30
14	28	1305	6614	52206	0.25	0.28	0.30	0.33

15	30	1488	7566	59774	0.36	0.35	0.34	0.36
16	32	1683	8582	67854	0.46	0.47	0.46	0.43
17	34	1890	9662	76446	0.52	0.48	0.49	0.55
18	36	2109	10806	85550	0.65	0.69	0.69	0.68
19	38	2340	12014	95166	0.62	0.71	0.70	0.68
20	40	2583	13286	105294	0.77	0.84	0.84	0.86
21	42	2838	14622	115934	0.76	0.96	0.96	0.95
22	44	3105	16022	127086	0.99	1.12	1.12	1.16
23	46	3384	17486	138750	1.03	1.32	1.30	1.33
24	48	3675	19014	150926	1.61	1.50	1.54	1.57
25	50	3978	20606	163614	1.50	1.65	1.68	1.72
26	52	4293	22262	176814	1.61	1.78	1.78	1.83
27	54	4620	23982	190526	1.74	1.90	1.88	1.89
28	56	4959	25766	204750	1.95	1.91	1.92	1.90
29	58	5310	27614	219486	2.25	2.43	2.42	2.10
30	60	5673	29526	234734	2.28	2.48	2.49	2.47
31	62	6048	31502	250494	2.52	3.08	3.09	2.54
32	64	6435	33542	266766	2.99	4.09	4.13	3.32
33	66	6834	35646	283550	3.75	3.31	3.31	3.23
34	68	7245	37814	300846	3.58	3.82	3.83	4.21
35	70	7668	40046	318654	3.57	4.62	4.63	3.83
36	72	8103	42342	336974	4.24	4.41	4.41	4.26
37	74	8550	44702	355806	4.44	4.83	4.85	4.47
38	76	9009	47126	375150	4.97	5.19	5.17	5.26
39	78	9480	49614	395006	5.27	5.22	5.18	5.79
40	80	9963	52166	415374	5.19	5.97	5.99	5.30
41	82	10458	54782	436254	5.47	5.96	5.97	6.22
42	84	10965	57462	457646	5.92	6.98	6.95	6.91
43	86	11484	60206	479550	6.14	7.33	7.30	7.29
44	88	12015	63014	501966	6.65	7.39	7.43	7.42
45	90	12558	65886	524894	7.27	7.90	7.87	7.80
46	92	13113	68822	548334	7.20	8.98	9.03	8.87
47	94	13680	71822	572286	11.39	8.63	8.58	8.56
48	96	14259	74886	596750	9.71	12.50	12.48	12.71
49	98	14850	78014	621726	9.71	12.53	12.50	12.42
50	100	15453	81206	647214	11.12	12.37	12.30	12.45
51	105	17013	89466	713174	13.74	13.77	13.82	13.30
52	110	18648	98126	782334	15.10	15.50	15.54	15.99
53	115	20358	107186	854694	16.18	19.81	19.77	18.72
54	120	22143	116646	930254	22.43	20.60	20.51	19.74
55	125	24003	126506	1009014	32.25	23.05	23.14	22.58
56	130	25938	136766	1090974	29.73	25.31	25.33	26.81
57	135	27948	147426	1176134	32.62	35.21	35.37	37.78
58	140	30033	158486	1264494	34.42	37.06	37.00	38.75
59	145	32193	169946	1356054	44.12	41.46	41.37	40.22
60	150	34428	181806	1450814	39.60	46.46	46.46	45.98
61	155	36738	194066	1548774	50.68	52.08	52.01	52.19
62	160	39123	206726	1649934	56.62	57.23	57.43	55.91
63	165	41583	219786	1754294	58.67	67.12	67.28	72.44
64	170	44118	233246	1861854	103.31	75.65	75.31	71.40
65	175	46728	247106	1972614	69.79	79.47	79.26	79.01
66	180	49413	261366	2086574	94.31	91.21	90.95	88.85
67	185	52173	276026	2203734	108.34	101.88	101.39	97.16
68	190	55008	291086	2324094	135.09	130.91	130.40	136.63
69	195	57918	306546	2447654	142.10	140.76	140.87	138.77
70	200	60903	322406	2574414	128.73	154.00	153.47	150.44
71	205	63963	338666	2704374	142.62	172.63	172.34	168.31
72	210	67098	355326	2837534	171.72	188.45	188.78	178.50
73	215	70308	372386	2973894	188.95	194.50	194.02	207.46
74	220	73593	389846	3113454	222.91	220.08	220.44	215.09
75	225	76953	407706	3256214	311.26	239.25	238.97	242.06
76	230	80388	425966	3402174	334.48	268.87	272.14	258.76

77	235	83898	444626	3551334	268.06	295.48	301.60	292.94
78	240	87483	463686	3703694	284.52	320.91	319.18	309.97
79	245	91143	483146	3859254	346.55	341.26	339.97	341.11
80	250	94878	503006	4018014	389.46	376.98	380.81	378.18
81	255	98688	523266	4179974	450.58	414.08	414.91	407.03
82	260	102573	543926	4345134	470.08	437.34	436.11	441.23
83	265	106533	564986	4513494	448.05	470.13	472.00	465.58
84	270	110568	586446	4685054	516.23	510.36	512.36	547.04
85	275	114678	608306	4859814	588.73	654.31	657.43	551.16
86	280	118863	630566	5037774	649.97	720.09	720.97	653.50
87	285	123123	653226	5218934	698.70	701.04	697.91	734.97
88	290	127458	676286	5403294	804.93	735.32	736.01	718.85
89	295	131868	699746	5590854	849.50	800.50	796.38	799.46
90	300	136353	723606	5781614	905.95	834.63	836.83	813.84
91	305	140913	747866	5975574	890.47	920.74	923.47	883.75
92	310	145548	772526	6172734	984.30	983.51	984.69	961.40
93	315	150258	797586	6373094	1391.59			1053.52

Table 74: *eq*3-pyramid-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	18	62	414	0.00	0.00	0.00	0.00
2	4	45	182	1326	0.00	0.00	0.00	0.00
3	6	84	366	2750	0.00	0.00	0.00	0.00
4	8	135	614	4686	0.00	0.00	0.00	0.00
5	10	198	926	7134	0.00	0.00	0.00	0.00
6	12	273	1302	10094	0.00	0.00	0.00	0.00
7	14	360	1742	13566	0.00	0.00	0.00	0.00
8	16	459	2246	17550	0.00	0.01	0.00	0.00
9	18	570	2814	22046	0.01	0.01	0.01	0.01
10	20	693	3446	27054	0.01	0.01	0.01	0.01
11	22	828	4142	32574	0.01	0.02	0.02	0.02
12	24	975	4902	38606	0.02	0.02	0.02	0.01
13	26	1134	5726	45150	0.01	0.03	0.03	0.03
14	28	1305	6614	52206	0.02	0.03	0.03	0.03
15	30	1488	7566	59774	0.03	0.04	0.04	0.04
16	32	1683	8582	67854	0.04	0.04	0.04	0.03
17	34	1890	9662	76446	0.04	0.05	0.05	0.05
18	36	2109	10806	85550	0.05	0.06	0.06	0.06
19	38	2340	12014	95166	0.05	0.04	0.05	0.05
20	40	2583	13286	105294	0.06	0.07	0.06	0.07
21	42	2838	14622	115934	0.06	0.08	0.08	0.07
22	44	3105	16022	127086	0.07	0.09	0.09	0.09
23	46	3384	17486	138750	0.08	0.09	0.10	0.09
24	48	3675	19014	150926	0.08	0.11	0.11	0.11
25	50	3978	20606	163614	0.08	0.12	0.12	0.12
26	52	4293	22262	176814	0.10	0.12	0.13	0.13
27	54	4620	23982	190526	0.10	0.11	0.13	0.13
28	56	4959	25766	204750	0.12	0.14	0.14	0.15
29	58	5310	27614	219486	0.13	0.15	0.15	0.16
30	60	5673	29526	234734	0.13	0.16	0.17	0.17
31	62	6048	31502	250494	0.14	0.19	0.19	0.19
32	64	6435	33542	266766	0.13	0.18	0.19	0.20
33	66	6834	35646	283550	0.15	0.21	0.21	0.21
34	68	7245	37814	300846	0.16	0.21	0.23	0.20
35	70	7668	40046	318654	0.18	0.23	0.23	0.24
36	72	8103	42342	336974	0.20	0.26	0.25	0.26
37	74	8550	44702	355806	0.21	0.25	0.25	0.27
38	76	9009	47126	375150	0.22	0.29	0.28	0.29
39	78	9480	49614	395006	0.23	0.31	0.30	0.29
40	80	9963	52166	415374	0.23	0.30	0.32	0.30

41	82	10458	54782	436254	0.26	0.34	0.34	0.33
42	84	10965	57462	457646	0.27	0.34	0.36	0.34
43	86	11484	60206	479550	0.26	0.38	0.36	0.38
44	88	12015	63014	501966	0.28	0.39	0.37	0.39
45	90	12558	65886	524894	0.30	0.39	0.41	0.38
46	92	13113	68822	548334	0.32	0.41	0.42	0.43
47	94	13680	71822	572286	0.33	0.45	0.45	0.46
48	96	14259	74886	596750	0.35	0.45	0.48	0.46
49	98	14850	78014	621726	0.36	0.49	0.47	0.50
50	100	15453	81206	647214	0.39	0.53	0.50	0.51
51	105	17013	89466	713174	0.42	0.58	0.56	0.56
52	110	18648	98126	782334	0.44	0.64	0.63	0.64
53	115	20358	107186	854694	0.50	0.70	0.70	0.68
54	120	22143	116646	930254	0.55	0.77	0.77	0.78
55	125	24003	126506	1009014	0.61	0.84	0.86	0.84
56	130	25938	136766	1090974	0.66	0.93	0.94	0.90
57	135	27948	147426	1176134	0.68	1.02	1.04	1.03
58	140	30033	158486	1264494	0.75	1.10	1.11	1.12
59	145	32193	169946	1356054	0.82	1.17	1.21	1.22
60	150	34428	181806	1450814	0.87	1.31	1.33	1.27
61	155	36738	194066	1548774	0.92	1.42	1.43	1.41
62	160	39123	206726	1649934	1.01	1.54	1.51	1.54
63	165	41583	219786	1754294	1.03	1.64	1.62	1.61
64	170	44118	233246	1861854	1.14	1.75	1.75	1.73
65	175	46728	247106	1972614	1.20	1.88	1.87	1.87
66	180	49413	261366	2086574	1.26	2.00	2.00	2.00
67	185	52173	276026	2203734	1.30	2.11	2.10	2.14
68	190	55008	291086	2324094	1.38	2.26	2.26	2.21
69	195	57918	306546	2447654	1.50	2.40	2.38	2.43
70	200	60903	322406	2574414	1.57	2.54	2.56	2.57
71	205	63963	338666	2704374	1.62	2.71	2.69	2.71
72	210	67098	355326	2837534	1.71	2.88	2.89	2.86
73	215	70308	372386	2973894	1.83	3.03	3.03	3.06
74	220	73593	389846	3113454	1.85	3.20	3.20	3.17
75	225	76953	407706	3256214	2.00	3.34	3.37	3.37
76	230	80388	425966	3402174	2.04	3.56	3.59	3.53
77	235	83898	444626	3551334	2.13	3.73	3.77	3.69
78	240	87483	463686	3703694	2.21	3.94	3.94	3.92
79	245	91143	483146	3859254	2.33	4.10	4.09	4.08
80	250	94878	503006	4018014	2.38	4.33	4.29	4.33
81	255	98688	523266	4179974	2.56	4.48	4.53	4.48
82	260	102573	543926	4345134	2.63	4.72	4.74	4.75
83	265	106533	564986	4513494	2.72	4.90	4.96	4.91
84	270	110568	586446	4685054	2.84	5.17	5.18	5.21
85	275	114678	608306	4859814	2.99	5.38	5.38	5.36
86	280	118863	630566	5037774	3.04	5.55	5.63	5.56
87	285	123123	653226	5218934	3.15	5.85	5.82	5.87
88	290	127458	676286	5403294	3.28	6.14	6.08	6.06
89	295	131868	699746	5590854	3.42	6.31	6.34	6.38
90	300	136353	723606	5781614	3.59	6.64	6.64	6.57
91	305	140913	747866	5975574	3.64	6.88	6.81	6.93
92	310	145548	772526	6172734	3.75	7.17	7.15	7.09
93	315	150258	797586	6373094	3.91			7.47

Table 75: *eq*3-pyramid-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	18	62	414	0.00	0.00	0.00	0.00
2	4	45	182	1326	0.00	0.00	0.00	0.00
3	6	84	366	2750	0.01	0.01	0.01	0.01
4	8	135	614	4686	0.02	0.09	0.03	0.04

5	10	198	926	7134	0.14	0.33	0.34	0.27
6	12	273	1302	10094	0.36	1.66	0.88	1.17
7	14	360	1742	13566	8.96	1.86	0.96	6.57
8	16	459	2246	17550	44.16	213.55	53.79	0.34
9	18	570	2814	22046	247.64	275.05	276.07	207.70
10	20	693	3446	27054	to	1936.89	1941.20	526.12
11	22	828	4142	32574	to	15.35	15.31	3329.89
12	24	975	4902	38606	to	12.51	32.86	to
13	26	1134	5726	45150	to	485.75	to	815.92
14	28	1305	6614	52206	to	1904.20	to	598.08
15	30	1488	7566	59774	to	12.12	4.31	505.06
16	32	1683	8582	67854	to	to	14.97	58.38
17	34	1890	9662	76446	to	43.02	43.02	2.54
18	36	2109	10806	85550	to	2.84	2.83	6.75
19	38	2340	12014	95166	to	2.54	6.97	11.18
20	40	2583	13286	105294	to	6.20	5.02	6.18
21	42	2838	14622	115934	to	9.36	4.58	7.54
22	44	3105	16022	127086	to	7.31	5.15	5.63
23	46	3384	17486	138750	to	3.56	3.54	7.63
24	48	3675	19014	150926	to	7.79	4.09	5.12
25	50	3978	20606	163614	to	5.90	7.20	7.87
26	52	4293	22262	176814	to	6.03	8.64	9.23
27	54	4620	23982	190526	to	5.71	5.73	8.07
28	56	4959	25766	204750	to	11.50	11.52	6.44
29	58	5310	27614	219486	to	15.72	15.22	14.32
30	60	5673	29526	234734	to	10.49	10.56	12.82
31	62	6048	31502	250494	to	11.28	13.86	10.85
32	64	6435	33542	266766	to	11.66	11.67	11.64
33	66	6834	35646	283550	to	12.48	20.84	10.91
34	68	7245	37814	300846	to	12.12	12.12	12.84
35	70	7668	40046	318654	to	14.00	13.95	19.70
36	72	8103	42342	336974	to	13.77	24.16	15.13
37	74	8550	44702	355806	to	19.70	19.71	16.12
38	76	9009	47126	375150	to	18.83	33.42	26.51
39	78	9480	49614	395006	to	31.22	30.93	20.12
40	80	9963	52166	415374	to	32.43	32.36	32.32
41	82	10458	54782	436254	to	41.43	23.09	21.31
42	84	10965	57462	457646	to	32.87	46.89	53.65
43	86	11484	60206	479550	to	32.57	32.61	48.00
44	88	12015	63014	501966	to	50.12	50.06	31.96
45	90	12558	65886	524894	to	56.67	56.86	54.80
46	92	13113	68822	548334	to	68.62	68.48	62.03
47	94	13680	71822	572286	to	40.02	40.15	45.30
48	96	14259	74886	596750	to	70.38	42.68	43.03
49	98	14850	78014	621726	to	48.97	48.98	84.40
50	100	15453	81206	647214	to	49.25	70.66	81.77
51	105	17013	89466	713174	to	103.18	64.56	62.61
52	110	18648	98126	782334	to	75.55	74.27	116.75
53	115	20358	107186	854694	to	128.20	88.94	127.38
54	120	22143	116646	930254	to	146.50	188.66	186.19
55	125	24003	126506	1009014	to	202.43	202.88	193.78
56	130	25938	136766	1090974	to	215.54	215.49	170.29
57	135	27948	147426	1176134	to	180.81	180.76	187.43
58	140	30033	158486	1264494	to	283.66	283.96	213.36
59	145	32193	169946	1356054	to	220.23	362.91	235.64
60	150	34428	181806	1450814	to	263.55	263.44	267.56
61	155	36738	194066	1548774	to	320.72	438.58	441.17
62	160	39123	206726	1649934	to	359.56	360.61	511.74
63	165	41583	219786	1754294	to	436.82	437.53	541.55
64	170	44118	233246	1861854	to	511.88	510.55	743.34
65	175	46728	247106	1972614	to	782.99	557.01	617.88
66	180	49413	261366	2086574	to	840.37	841.40	609.86

67	185	52173	276026	2203734	to	674.00	955.33	668.76
68	190	55008	291086	2324094	to	724.83	724.93	1157.60
69	195	57918	306546	2447654	to	836.29	1166.19	1238.80
70	200	60903	322406	2574414	to	1257.60	1257.33	1020.06
71	205	63963	338666	2704374	to	1010.58	1484.62	1483.93
72	210	67098	355326	2837534	to	1175.87	1176.90	1128.41
73	215	70308	372386	2973894	to	1279.87	1774.88	1363.69
74	220	73593	389846	3113454	to	1313.70	1416.86	1565.03
75	225	76953	407706	3256214	to	2199.61	2327.42	1670.46
76	230	80388	425966	3402174	to	2105.70	2247.65	1804.38
77	235	83898	444626	3551334	to	2366.70	1928.51	1905.65
78	240	87483	463686	3703694	to	2947.47	3113.66	2422.56
79	245	91143	483146	3859254	to	3017.50	3022.25	2253.63
80	250	94878	503006	4018014	to	2577.00	2710.23	2677.57
81	255	98688	523266	4179974	to	to		to

Table 76: *eq*3-pyramid-picosat

2.8 pyrofpyr

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	27	98	678	0.00	0.00	0.00	0.00
2	2	108	470	3534	0.02	0.02	0.02	0.02
3	3	300	1410	10886	0.06	0.08	0.07	0.07
4	4	675	3302	25806	0.16	0.17	0.17	0.17
5	5	1323	6626	52134	0.38	0.40	0.39	0.40
6	6	2352	11958	94478	0.67	0.69	0.70	0.70
7	7	3888	19970	158214	1.13	1.19	1.19	1.20
8	8	6075	31430	249486	1.73	1.87	1.84	1.83
9	9	9075	47202	375206	2.55	2.74	2.74	2.74
10	10	13068	68246	543054	3.61	3.94	3.95	3.94
11	11	18252	95618	761478	4.97	5.51	5.53	5.53
12	12	24843	130470	1039694	6.78	7.47	7.43	7.46
13	13	33075	174050	1387686	8.59	9.73	9.72	9.79
14	14	43200	227702	1816206	11.07	12.58	12.56	12.52
15	15	55488	292866	2336774	13.79	15.93	15.92	16.00
16	16	70227	371078	2961678	17.17	20.07	19.92	19.98
17	17	87723	463970	3703974	20.40	24.74	24.64	24.66
18	18	108300	573270	4577486	24.86	35.22	35.30	35.04
19	19	132300	700802	5596806	33.81	1577.74	1585.46	65.82
20	20	160083	848486	6777294	49.00	90.19	90.91	89.72
21	21	192027	1018338	8135078	74.43	134.10	134.25	133.58
22	22	228528	1212470	9687054	106.14	185.12	185.17	184.52
23	23	270000	1433090	11450886	134.04	235.91	234.63	241.72
24	24	316875	1682502	13445006	146.46	299.68	299.19	316.55
25	25	369603	1963106	15688614	178.78	382.83	385.64	380.49
26	26	428652	2277398	18201678	222.64	467.75	469.20	452.47
27	27	494508	2627970	21004934	239.97	529.75	530.39	505.65
28	28	567675	3017510	24119886	323.42	600.62	602.44	to
29	29	648675	3448802	27568806	335.49	723.59	722.46	683.05
30	30	738048	3924726	31374734	472.78	814.37	814.14	808.02
31	31	836352	4448258	35561478	444.23	931.50	929.21	936.70
32	32	944163	5022470	40153614	533.06	1069.74	1067.24	1097.31
33	33	1062075	5650530	45176486	668.42	1196.94	1199.89	1308.99
34	34	1190700	6335702	50656206	733.52	1383.41	1383.84	1398.23
35	35	1330668	7081346	56619654	922.88	1538.11	1537.07	1621.60
36	36	1482627	7890918	63094478	778.80	1809.46	1813.20	1768.72
37	37	1647243	8767970	70109094	mo	mo	mo	2000.29

Table 77: *eq*3-pyrofpyr-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	27	98	678	0.00	0.00	0.00	0.00
2	2	108	470	3534	0.00	0.00	0.00	0.00
3	3	300	1410	10886	0.03	0.04	0.04	0.04
4	4	675	3302	25806	0.29	0.26	0.26	0.32
5	5	1323	6626	52134	1.54	1.22	1.23	2.10
6	6	2352	11958	94478	8.48	4.30	4.31	4.66
7	7	3888	19970	158214	14.63	9.40	9.40	23.75
8	8	6075	31430	249486	40.82	25.31	25.30	37.57
9	9	9075	47202	375206	68.50	67.59	67.50	72.96
10	10	13068	68246	543054	127.08	128.20	127.58	95.79
11	11	18252	95618	761478	222.51	201.49	201.72	194.20
12	12	24843	130470	1039694	354.07	291.69	290.91	214.59
13	13	33075	174050	1387686	462.26	482.41	483.09	338.22
14	14	43200	227702	1816206	838.38	574.39	582.54	438.75
15	15	55488	292866	2336774	914.31	743.26	746.07	841.12
16	16	70227	371078	2961678	1042.91	1223.00	1226.86	1108.76
17	17	87723	463970	3703974	2028.28	1522.14	1533.45	1533.55
18	18	108300	573270	4577486	2407.47	2075.30	2079.64	2082.71
19	19	132300	700802	5596806	3485.43	3221.16	3209.12	3560.82
20	20	160083	848486	6777294	3508.85	to	to	to

Table 78: *eq*3-pyrofpyr-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	27	98	678	0.00	0.00	0.00	0.00
2	2	108	470	3534	0.00	0.00	0.00	0.00
3	3	300	1410	10886	0.00	0.00	0.00	0.00
4	4	675	3302	25806	0.01	0.01	0.01	0.01
5	5	1323	6626	52134	0.03	0.03	0.03	0.03
6	6	2352	11958	94478	0.05	0.06	0.06	0.05
7	7	3888	19970	158214	0.09	0.11	0.11	0.11
8	8	6075	31430	249486	0.14	0.19	0.19	0.19
9	9	9075	47202	375206	0.21	0.29	0.30	0.27
10	10	13068	68246	543054	0.31	0.44	0.40	0.43
11	11	18252	95618	761478	0.49	0.65	0.67	0.66
12	12	24843	130470	1039694	0.67	0.91	0.89	0.93
13	13	33075	174050	1387686	0.83	1.25	1.29	1.29
14	14	43200	227702	1816206	1.16	1.77	1.77	1.78
15	15	55488	292866	2336774	1.48	2.37	2.38	2.36
16	16	70227	371078	2961678	1.87	3.21	3.12	3.10
17	17	87723	463970	3703974	2.39	4.05	4.02	4.05
18	18	108300	573270	4577486	2.89	5.17	5.21	5.16
19	19	132300	700802	5596806	3.61	6.55	6.54	6.59
20	20	160083	848486	6777294	4.39	8.14	8.34	8.16
21	21	192027	1018338	8135078	5.44	10.15	10.20	10.14
22	22	228528	1212470	9687054	6.46	12.44	12.40	12.34
23	23	270000	1433090	11450886	7.59	15.06	15.08	14.99
24	24	316875	1682502	13445006	8.93	17.99	18.14	18.09
25	25	369603	1963106	15688614	10.43	21.69	21.65	21.56
26	26	428652	2277398	18201678	12.18	25.75	25.70	25.84
27	27	494508	2627970	21004934	14.15	30.14	30.30	30.20
28	28	567675	3017510	24119886	16.10	35.22	35.11	35.13
29	29	648675	3448802	27568806	18.31	40.72	40.83	40.56
30	30	738048	3924726	31374734	20.95	47.08	47.13	47.15
31	31	836352	4448258	35561478	23.88	54.08	54.02	53.94
32	32	944163	5022470	40153614	27.32	61.55	61.63	61.60
33	33	1062075	5650530	45176486	34.12	76.50	76.45	76.40
34	34	1190700	6335702	50656206	38.15	86.65	86.44	86.40
35	35	1330668	7081346	56619654	42.28	97.87	97.61	97.42
36	36	1482627	7890918	63094478	47.14	109.74	109.50	109.52

37	37	1647243	8767970	70109094	52.73	123.34	123.25	123.38
38	38	1825200	9716150	77692686	58.26	137.63	137.65	137.19
39	39	2017200	10739202	85875206	64.18	153.13	153.03	153.33
40	40	2223963	11840966	94687374	70.89	170.20	170.20	170.54
41	41	2446227	13025378	104160678	78.06	188.96	189.15	188.70
42	42	2684748	14296470	114327374	86.25	208.29	208.27	208.18
43	43	2940300	15658370	125220486	94.90	230.11	229.86	230.89
44	44	3213675	17115302	136873806	103.90	253.58	253.85	253.64
45	45	3505683	18671586	149321894	113.27	278.59	278.61	278.93
46	46	3817152	20331638	162600078	122.85	306.18	306.35	305.78
47	47	4148928	22099970	176744454	140.07	347.48	346.86	347.50
48	48	4501875	23981190	191791886	151.28	379.21	380.17	379.66
49	49	4876875	25980002	207780006	164.61	414.87	413.99	415.54
50	50	5274828	28101206	224747214	177.62	450.94	452.79	452.25

Table 79: *eq*3-pyrofpyr-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	27	98	678	0.00	0.00	0.00	0.00
2	2	108	470	3534	0.01	0.01	0.01	0.00
3	3	300	1410	10886	0.03	0.12	0.12	0.18
4	4	675	3302	25806	0.71	1.01	0.93	0.45
5	5	1323	6626	52134	2.93	0.98	3.11	2.06
6	6	2352	11958	94478	10.17	7.60	7.60	4.67
7	7	3888	19970	158214	883.10	28.57	28.52	28.91
8	8	6075	31430	249486	to	73.18	72.90	51.99
9	9	9075	47202	375206	394.25	148.05	128.58	154.56
10	10	13068	68246	543054	to	249.69	279.79	214.21
11	11	18252	95618	761478	to	505.14	515.31	399.57
12	12	24843	130470	1039694	to	1077.06	1076.76	1176.79
13	13	33075	174050	1387686	to	2798.83	2785.74	2107.87
14	14	43200	227702	1816206	to	to	2361.66	2167.45
15	15	55488	292866	2336774		to	to	to

Table 80: *eq*3-pyrofpyr-picosat

2.9 pyrseqsqrt

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	129	534	3950	0.01	0.01	0.01	0.00
2	3	327	1446	10958	0.04	0.05	0.05	0.05
3	4	663	3046	23374	0.11	0.12	0.12	0.12
4	5	1368	6446	49854	0.21	0.29	0.29	0.26
5	6	2433	11670	90734	0.40	0.50	0.50	0.49
6	7	3930	19102	149086	0.65	0.76	0.77	0.83
7	8	6387	31366	245518	1.06	1.27	1.27	1.29
8	9	9075	44934	352526	1.52	1.70	1.69	1.78
9	10	13113	65366	513774	2.23	2.47	2.50	2.59
10	11	18978	95134	748894	3.26	3.88	3.89	3.95
11	12	25275	127302	1003406	4.37	5.20	5.20	5.72
12	13	33933	171606	1354094	5.75	6.98	7.03	6.80
13	14	44271	224678	1774542	7.15	9.84	9.88	9.04
14	15	56433	287286	2270894	9.21	11.84	11.83	11.47
15	16	70563	360198	2849294	11.35	15.38	15.46	14.85
16	17	88692	453838	3592318	13.97	18.88	18.96	18.62
17	18	109515	561606	4447886	16.96	22.23	22.24	23.78
18	19	133212	684462	5423678	19.78	27.36	27.34	27.92
19	20	159963	823366	6527374	27.49	32.78	32.76	32.27
20	21	192783	993894	7882574	28.00	39.82	39.69	38.59
21	22	229551	1185190	9403342	32.52	46.07	46.02	46.83

22	23	270483	1398406	11098894	37.14	53.41	53.54	55.59
23	24	319467	1653702	13129358	43.44	65.68	65.61	62.64
24	25	369678	1915806	15214814	49.38	70.38	70.33	71.50
25	26	429003	2225606	17680014	56.98	108.66	108.74	91.34
26	27	498639	2589414	20575310	65.79	145.40	145.70	131.33
27	28	569943	2962406	23544654	75.14	159.22	160.37	152.18
28	29	652764	3395790	26995070	83.84	209.00	208.98	226.51
29	30	742773	3867126	30748334	94.98	301.64	301.70	239.18
30	31	840258	4377950	34816734	106.82	353.49	353.56	283.30
31	32	945507	4929798	39212558	119.80	336.45	335.90	377.31
32	33	1065639	5559846	44231630	135.12	467.60	468.70	447.99
33	34	1194933	6238326	49637294	mo	616.02	614.92	552.37
34	35	1333713	6966966	55443374	mo	712.13	714.29	614.63
35	36	1482303	7747494	61663694	mo	766.46	768.89	745.35
36	37	1649574	8626334	68667870	mo	945.62	945.20	862.14
37	38	1828221	9565366	76152622		mo	mo	mo

Table 81: *eq*3-pyrseqsqrt-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	129	534	3950	0.00	0.00	0.00	0.00
2	3	327	1446	10958	0.02	0.02	0.02	0.02
3	4	663	3046	23374	0.08	0.09	0.09	0.08
4	5	1368	6446	49854	0.21	0.23	0.23	0.24
5	6	2433	11670	90734	0.59	0.53	0.53	0.57
6	7	3930	19102	149086	0.89	1.09	1.08	1.01
7	8	6387	31366	245518	1.90	2.30	2.32	2.26
8	9	9075	44934	352526	3.90	3.79	3.75	3.95
9	10	13113	65366	513774	5.40	7.18	7.19	6.97
10	11	18978	95134	748894	12.66	11.91	11.97	13.96
11	12	25275	127302	1003406	17.30	21.63	21.52	19.57
12	13	33933	171606	1354094	32.98	35.43	35.71	35.04
13	14	44271	224678	1774542	54.72	66.15	66.05	65.50
14	15	56433	287286	2270894	68.95	113.00	113.20	110.99
15	16	70563	360198	2849294	134.69	178.57	178.72	188.23
16	17	88692	453838	3592318	179.00	321.07	320.97	348.24
17	18	109515	561606	4447886	282.53	543.46	543.00	569.49
18	19	133212	684462	5423678	482.86	874.41	876.90	872.86
19	20	159963	823366	6527374	628.34	1352.88	1353.40	1353.93
20	21	192783	993894	7882574	1029.74	2137.46	2121.45	2085.03
21	22	229551	1185190	9403342	1259.63	3276.63	3272.37	3253.96
22	23	270483	1398406	11098894	1833.97	to	to	to

Table 82: *eq*3-pyrseqsqrt-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	129	534	3950	0.00	0.00	0.00	0.00
2	3	327	1446	10958	0.00	0.00	0.00	0.00
3	4	663	3046	23374	0.01	0.01	0.01	0.00
4	5	1368	6446	49854	0.02	0.03	0.03	0.03
5	6	2433	11670	90734	0.05	0.06	0.05	0.06
6	7	3930	19102	149086	0.07	0.10	0.10	0.09
7	8	6387	31366	245518	0.13	0.18	0.18	0.18
8	9	9075	44934	352526	0.20	0.24	0.24	0.24
9	10	13113	65366	513774	0.30	0.39	0.38	0.36
10	11	18978	95134	748894	0.44	0.61	0.60	0.61
11	12	25275	127302	1003406	0.59	0.84	0.84	0.83
12	13	33933	171606	1354094	0.80	1.21	1.18	1.18
13	14	44271	224678	1774542	1.02	1.64	1.63	1.66
14	15	56433	287286	2270894	1.35	2.16	2.20	2.20

15	16	70563	360198	2849294	1.74	2.86	2.82	2.85
16	17	88692	453838	3592318	2.17	3.78	3.76	3.76
17	18	109515	561606	4447886	2.67	4.88	4.86	4.86
18	19	133212	684462	5423678	3.27	6.08	6.08	6.13
19	20	159963	823366	6527374	3.92	7.58	7.63	7.63
20	21	192783	993894	7882574	4.82	9.53	9.47	9.47
21	22	229551	1185190	9403342	5.68	11.66	11.69	11.57
22	23	270483	1398406	11098894	6.83	14.04	14.11	14.17
23	24	319467	1653702	13129358	7.98	17.08	17.04	17.12
24	25	369678	1915806	15214814	9.21	20.24	20.25	20.22
25	26	429003	2225606	17680014	11.07	24.04	23.96	23.96
26	27	498639	2589414	20575310	12.83	28.60	28.47	28.47
27	28	569943	2962406	23544654	14.61	33.24	33.20	33.10
28	29	652764	3395790	26995070	16.70	38.38	38.58	38.63
29	30	742773	3867126	30748334	18.93	44.66	44.70	44.77
30	31	840258	4377950	34816734	21.47	51.14	51.15	51.20
31	32	945507	4929798	39212558	24.27	58.30	58.31	58.29
32	33	1065639	5559846	44231630	27.52	66.66	66.52	66.96
33	34	1194933	6238326	49637294	30.85	75.76	75.56	75.51
34	35	1333713	6966966	55443374	34.53	85.39	85.40	85.18
35	36	1482303	7747494	61663694	38.32	95.74	96.02	96.05
36	37	1649574	8626334	68667870	42.97	107.97	107.95	107.99
37	38	1828221	9565366	76152622	47.82	120.95	121.17	120.62
38	39	2018604	10566510	84133310	52.50	135.03	134.95	135.20
39	40	2231043	11683846	93040654	58.38	149.87	150.52	150.02
40	41	2446473	12817590	102080174	63.89	166.26	166.19	165.97
41	42	2685693	14076726	112119854	70.72	184.58	184.82	184.14
42	43	2950620	15471406	123240766	77.98	204.27	204.45	204.04
43	44	3219219	16886150	134523150	85.19	225.10	224.84	224.75
44	45	3515403	18446406	146966414	93.63	248.21	248.36	248.55
45	46	3828123	20094278	160109454	101.01	272.50	272.57	300.46
46	47	4157811	21832070	173970702	109.76	326.21	298.10	298.69
47	48	4504899	23662086	188568590	119.38	326.14	325.77	325.86
48	49	4884666	25664638	204543262	129.84			357.24

Table 83: *eq*3-pyrseqsqrt-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	129	534	3950	0.01	0.02	0.01	0.03
2	3	327	1446	10958	0.06	0.14	0.14	0.11
3	4	663	3046	23374	1.47	0.48	0.48	0.75
4	5	1368	6446	49854	14.62	0.90	1.62	0.95
5	6	2433	11670	90734	61.13	2.74	2.26	2.57
6	7	3930	19102	149086	222.76	3.82	3.85	5.81
7	8	6387	31366	245518	to	11.02	7.05	14.98
8	9	9075	44934	352526	to	21.77	15.53	25.59
9	10	13113	65366	513774	to	26.66	26.55	29.33
10	11	18978	95134	748894	to	63.90	64.00	106.61
11	12	25275	127302	1003406	to	104.79	161.97	153.84
12	13	33933	171606	1354094	to	227.20	348.92	229.22
13	14	44271	224678	1774542	to	425.99	426.08	398.83
14	15	56433	287286	2270894	to	734.57	733.34	741.41
15	16	70563	360198	2849294	to	1158.24	1157.18	1507.18
16	17	88692	453838	3592318	to	1878.66	2005.84	1935.73
17	18	109515	561606	4447886	to	to		to

Table 84: *eq*3-pyrseqsqrt-picosat

2.10 width10chain

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	117	506	3798	0.01	0.01	0.01	0.00
2	2000	60027	320026	2559958	10.44	12.62	12.65	12.49
3	4000	120027	640026	5119958	19.65	24.23	24.25	24.52
4	6000	180027	960026	7679958	35.50	46.62	46.59	44.86
5	8000	240027	1280026	10239958	58.11	70.24	69.99	83.50
6	10000	300027	1600026	12799958	123.93	121.16	121.28	to
7	12000	360027	1920026	15359958	173.57	132.04	132.29	152.37
8	14000	420027	2240026	17919958	114.76	167.68	167.05	164.85
9	16000	480027	2560026	20479958	145.00	204.86	205.75	208.83
10	18000	540027	2880026	23039958	318.92	254.80	255.12	251.38
11	20000	600027	3200026	25599958	366.11	297.19	296.24	301.55
12	22000	660027	3520026	28159958	184.69	348.44	348.71	342.27
13	24000	720027	3840026	30719958	331.72	382.89	385.46	391.71
14	26000	780027	4160026	33279958	518.50	459.46	459.37	438.18
15	28000	840027	4480026	35839958	567.36	492.83	487.73	480.69
16	30000	900027	4800026	38399958	606.06	591.34	587.86	984.73
17	32000	960027	5120026	40959958	663.80	1193.62	1189.99	628.79
18	34000	1020027	5440026	43519958	709.34	657.69	660.58	762.12
19	36000	1080027	5760026	46079958	338.43	730.95	731.28	749.35
20	38000	1140027	6080026	48639958	757.94	760.95	760.86	842.40
21	40000	1200027	6400026	51199958	mo	mo		mo

Table 85: *eq*3-width10chain-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	117	506	3798	0.00	0.00	0.00	0.00
2	2000	60027	320026	2559958	138.68	163.35	162.71	160.76
3	4000	120027	640026	5119958	499.09	610.25	661.35	624.81
4	6000	180027	960026	7679958	1238.49	1452.49	1449.23	1758.23
5	8000	240027	1280026	10239958	2129.78	2463.60	2455.71	2785.32
6	10000	300027	1600026	12799958	2782.43	3534.65	to	3492.47
7	12000	360027	1920026	15359958	to	to		to

Table 86: *eq*3-width10chain-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	117	506	3798	0.00	0.00	0.00	0.00
2	2000	60027	320026	2559958	1.76	2.50	2.56	2.52
3	4000	120027	640026	5119958	3.53	5.69	5.71	5.70
4	6000	180027	960026	7679958	5.38	9.04	9.07	9.10
5	8000	240027	1280026	10239958	7.15	12.55	12.69	12.76
6	10000	300027	1600026	12799958	8.98	16.36	16.42	16.48
7	12000	360027	1920026	15359958	10.68	20.19	20.13	20.28
8	14000	420027	2240026	17919958	12.52	24.10	24.09	24.14
9	16000	480027	2560026	20479958	14.14	27.95	27.95	28.07
10	18000	540027	2880026	23039958	16.13	31.92	31.99	31.84
11	20000	600027	3200026	25599958	17.94	35.87	35.79	35.69
12	22000	660027	3520026	28159958	19.67	39.83	39.85	39.89
13	24000	720027	3840026	30719958	21.35	43.89	43.93	44.12
14	26000	780027	4160026	33279958	23.22	48.00	47.98	47.87
15	28000	840027	4480026	35839958	25.02	51.96	51.96	51.98
16	30000	900027	4800026	38399958	26.90	55.96	56.00	56.24
17	32000	960027	5120026	40959958	28.62	60.04	60.05	60.26
18	34000	1020027	5440026	43519958	30.52	64.40	64.48	64.16
19	36000	1080027	5760026	46079958	32.24	68.47	68.38	68.64
20	38000	1140027	6080026	48639958	34.08	72.52	72.66	72.41
21	40000	1200027	6400026	51199958	36.04	76.72	77.01	77.03
22	42000	1260027	6720026	53759958	37.67	80.93	81.14	81.18

23	44000	1320027	7040026	56319958	39.53	85.41	85.44	85.36
24	46000	1380027	7360026	58879958	41.24	89.59	89.62	89.24
25	48000	1440027	7680026	61439958	43.35	93.59	94.01	94.02
26	50000	1500027	8000026	63999958	44.96	97.75	98.11	98.13
27	52000	1560027	8320026	66559958	46.83	102.35	102.36	102.38
28	54000	1620027	8640026	69119958	48.66	106.47	106.90	106.80
29	56000	1680027	8960026	71679958	50.35	110.99	111.26	111.42
30	58000	1740027	9280026	74239958	52.15	115.34	115.49	115.17
31	60000	1800027	9600026	76799958	53.85	120.02	119.70	119.59
32	62000	1860027	9920026	79359958	55.66	124.03	124.39	124.10
33	64000	1920027	10240026	81919958	57.78	128.31	128.64	128.34
34	66000	1980027	10560026	84479958	59.58	132.60	132.92	132.46
35	68000	2040027	10880026	87039958	61.22	136.45	136.85	136.93
36	70000	2100027	11200026	89599958	63.07	141.21	141.28	141.29
37	72000	2160027	11520026	92159958	64.90	145.53	145.54	145.86
38	74000	2220027	11840026	94719958	66.86	149.68	149.74	150.50
39	76000	2280027	12160026	97279958	68.61	154.24	154.32	154.46
40	78000	2340027	12480026	99839958	70.49	159.00	158.77	159.38
41	80000	2400027	12800026	102399958	72.06	163.55	163.62	163.71
42	82000	2460027	13120026	104959958	73.94	168.32	168.37	168.17
43	84000	2520027	13440026	107519958	75.61	172.67	172.33	172.61
44	86000	2580027	13760026	110079958	77.69	176.74	176.87	176.31
45	88000	2640027	14080026	112639958	79.42	181.54	181.87	180.96
46	90000	2700027	14400026	115199958	81.03	185.75	185.29	185.64
47	92000	2760027	14720026	117759958	82.97	190.14	190.18	190.22
48	94000	2820027	15040026	120319958	84.73	195.01	194.81	195.07
49	96000	2880027	15360026	122879958	86.59	199.57	199.70	199.41
50	98000	2940027	15680026	125439958	88.02	204.08	203.94	204.28
51	100000	3000027	16000026	127999958	90.66	208.84	208.51	207.91

Table 87: *eq*3-width10chain-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	117	506	3798	0.01	0.01	0.04	0.01
2	2000	60027	320026	2559958	to	1320.01	919.92	942.20
3	4000	120027	640026	5119958	to	to		to

Table 88: *eq*3-width10chain-picosat

2.11 width2chain

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	21	90	662	0.00	0.00	0.00	0.00
2	10000	60003	319994	2559894	14.40	15.99	16.00	16.18
3	20000	120003	639994	5119894	27.16	31.50	31.55	31.53
4	30000	180003	959994	7679894	38.36	46.66	46.69	46.72
5	40000	240003	1279994	10239894	50.59	61.76	62.15	61.06
6	50000	300003	1599994	12799894	61.25	75.56	75.54	76.55
7	60000	360003	1919994	15359894	71.54	90.56	90.08	90.58
8	70000	420003	2239994	17919894	82.80	104.03	103.91	103.90
9	80000	480003	2559994	20479894	94.29	118.77	118.59	120.02
10	90000	540003	2879994	23039894	105.07	132.99	133.28	135.02
11	100000	600003	3199994	25599894	116.68	148.14	147.60	147.80
12	110000	660003	3519994	28159894	125.66	165.10	165.03	162.03
13	120000	720003	3839994	30719894	138.70	179.79	179.86	179.67
14	130000	780003	4159994	33279894	148.44	192.31	192.28	189.30
15	140000	840003	4479994	35839894	160.55	203.57	203.64	203.75
16	150000	900003	4799994	38399894	170.65	222.17	222.65	221.71
17	160000	960003	5119994	40959894	182.54	236.95	236.63	233.02
18	170000	1020003	5439994	43519894	196.81	256.14	256.18	252.22

19	180000	1080003	5759994	46079894	209.94	292.00	292.01	286.67
20	190000	1140003	6079994	48639894	224.52	339.31	339.19	337.33
21	200000	1200003	6399994	51199894	236.97	382.43	382.50	384.96
22	210000	1260003	6719994	53759894	255.54	437.56	437.01	433.59
23	220000	1320003	7039994	56319894	272.03	481.13	481.41	482.19
24	230000	1380003	7359994	58879894	290.64	525.24	525.58	528.79
25	240000	1440003	7679994	61439894	301.13	569.81	569.61	574.26
26	250000	1500003	7999994	63999894	314.52	620.33	621.27	620.90
27	260000	1560003	8319994	66559894	276.85	682.71	679.87	679.78
28	270000	1620003	8639994	69119894	350.67	728.48	728.93	714.09
29	280000	1680003	8959994	71679894	361.77	752.87	753.70	769.34
30	290000	1740003	9279994	74239894	378.58	825.51	822.48	813.22
31	300000	1800003	9599994	76799894	404.57	838.91	836.42	853.64
32	310000	1860003	9919994	79359894	415.77	898.13	895.47	909.73
33	320000	1920003	10239994	81919894	420.81	938.06	937.06	960.94
34	330000	1980003	10559994	84479894		mo	mo	mo

Table 89: *eq*3-width2chain-lingeling

♯	**par**	**vars**	**clauses**	**literals**	**C**	**R1**	**R2**	**R3**
1	3	21	90	662	0.00	0.00	0.00	0.00
2	10000	60003	319994	2559894	406.65	551.91	548.73	660.10
3	20000	120003	639994	5119894	2288.76	1575.66	1652.28	1920.36
4	30000	180003	959994	7679894	2237.99	2669.82	2676.03	to
5	40000	240003	1279994	10239894	to		to	to

Table 90: *eq*3-width2chain-minisatcore

♯	**par**	**vars**	**clauses**	**literals**	**C**	**R1**	**R2**	**R3**
1	3	21	90	662	0.00	0.00	0.00	0.00
2	10000	60003	319994	2559894	1.42	2.40	2.37	2.39
3	20000	120003	639994	5119894	2.82	5.42	5.35	5.44
4	30000	180003	959994	7679894	4.24	8.67	8.70	8.68
5	40000	240003	1279994	10239894	5.52	12.19	12.12	12.15
6	50000	300003	1599994	12799894	7.06	15.66	15.71	15.74
7	60000	360003	1919994	15359894	8.48	19.27	19.36	19.27
8	70000	420003	2239994	17919894	9.97	23.11	23.11	23.12
9	80000	480003	2559994	20479894	11.44	26.74	26.84	26.73
10	90000	540003	2879994	23039894	12.77	30.65	30.63	30.72
11	100000	600003	3199994	25599894	14.13	34.55	34.54	34.54
12	110000	660003	3519994	28159894	15.75	38.33	38.44	38.25
13	120000	720003	3839994	30719894	17.04	42.30	42.16	42.01
14	130000	780003	4159994	33279894	18.47	46.13	46.17	46.13
15	140000	840003	4479994	35839894	19.92	50.08	49.97	49.91
16	150000	900003	4799994	38399894	21.47	53.90	54.22	54.03
17	160000	960003	5119994	40959894	22.79	57.73	57.93	57.74
18	170000	1020003	5439994	43519894	24.14	61.83	61.84	61.79
19	180000	1080003	5759994	46079894	25.69	65.83	66.19	65.83
20	190000	1140003	6079994	48639894	27.33	70.04	70.14	69.94
21	200000	1200003	6399994	51199894	28.62	73.82	74.12	73.96
22	210000	1260003	6719994	53759894	29.98	77.96	77.97	78.02
23	220000	1320003	7039994	56319894	31.43	81.93	82.31	81.99
24	230000	1380003	7359994	58879894	32.82	86.24	86.09	86.02
25	240000	1440003	7679994	61439894	34.45	90.39	90.21	90.30
26	250000	1500003	7999994	63999894	35.83	94.18	94.53	94.39
27	260000	1560003	8319994	66559894	37.14	98.17	98.53	98.52
28	270000	1620003	8639994	69119894	38.72	103.34	102.90	102.99
29	280000	1680003	8959994	71679894	40.17	107.15	107.26	106.92
30	290000	1740003	9279994	74239894	41.43	111.04	110.94	110.96
31	300000	1800003	9599994	76799894	42.75	115.83	115.26	115.45

32	310000	1860003	9919994	79359894	44.41	119.98	119.38	119.25
33	320000	1920003	10239994	81919894	45.82	123.71	123.52	123.94
34	330000	1980003	10559994	84479894	47.29	128.33	128.16	127.79
35	340000	2040003	10879994	87039894	48.58	132.21	132.26	131.85
36	350000	2100003	11199994	89599894	50.54	136.50	136.21	136.42
37	360000	2160003	11519994	92159894	51.61	140.42	140.49	140.38
38	370000	2220003	11839994	94719894	53.31	144.90	145.44	144.75
39	380000	2280003	12159994	97279894	54.50	149.01	148.95	148.74
40	390000	2340003	12479994	99839894	56.06	153.37	153.10	153.09
41	400000	2400003	12799994	102399894	57.27	157.72	157.94	157.85
42	410000	2460003	13119994	104959894	58.96	162.04	162.09	161.92
43	420000	2520003	13439994	107519894	60.47	166.38	166.50	167.13
44	430000	2580003	13759994	110079894	61.72	170.26	170.81	170.35
45	440000	2640003	14079994	112639894	63.00	174.81	175.40	174.98
46	450000	2700003	14399994	115199894	64.63	179.07	179.28	178.98
47	460000	2760003	14719994	117759894	66.15	183.80	184.52	183.72
48	470000	2820003	15039994	120319894	67.47	188.12	188.00	188.01
49	480000	2880003	15359994	122879894	68.97	191.92	191.94	192.50
50	490000	2940003	15679994	125439894	70.24	197.16	196.46	196.30
51	500000	3000003	15999994	127999894	71.83	201.27	201.21	201.46

Table 91: *eq*3-width2chain-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	21	90	662	0.00	0.00	0.00	0.00
2	10000	60003	319994	2559894	838.44	1229.53	3036.98	1491.43
3	20000	120003	639994	5119894	3121.90	to	to	to

Table 92: *eq*3-width2chain-picosat

2.12 width5chain

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	57	246	1838	0.00	0.00	0.00	0.00
2	4000	60012	320006	2559918	9.84	11.65	11.62	11.72
3	8000	120012	640006	5119918	18.37	23.03	22.89	22.60
4	12000	180012	960006	7679918	40.76	264.46	264.36	41.33
5	16000	240012	1280006	10239918	47.22	74.71	74.44	75.91
6	20000	300012	1600006	12799918	67.21	102.22	102.45	100.76
7	24000	360012	1920006	15359918	101.75	131.06	130.83	135.13
8	28000	420012	2240006	17919918	229.16	163.56	163.62	171.61
9	32000	480012	2560006	20479918	128.88	209.69	210.23	206.66
10	36000	540012	2880006	23039918	327.61	250.10	252.02	349.48
11	40000	600012	3200006	25599918	368.98	327.77	327.40	267.16
12	44000	660012	3520006	28159918	426.32	331.49	332.08	340.73
13	48000	720012	3840006	30719918	474.01	389.70	388.63	388.75
14	52000	780012	4160006	33279918	523.65	429.60	429.38	431.76
15	56000	840012	4480006	35839918	572.50	464.36	462.55	574.61
16	60000	900012	4800006	38399918	595.95	568.84	569.31	526.99
17	64000	960012	5120006	40959918	681.14	593.85	596.41	568.05
18	68000	1020012	5440006	43519918	725.60	654.20	654.06	683.26
19	72000	1080012	5760006	46079918	764.17	692.07	692.58	807.79
20	76000	1140012	6080006	48639918	mo		mo	mo

Table 93: *eq*3-width5chain-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	57	246	1838	0.00	0.00	0.00	0.00

2	4000	60012	320006	2559918	159.28	181.11	180.45	181.02
3	8000	120012	640006	5119918	562.14	639.99	643.62	634.82
4	12000	180012	960006	7679918	1578.23	1462.25	1467.19	1532.15
5	16000	240012	1280006	10239918	2129.38	2427.05	2430.11	2402.39
6	20000	300012	1600006	12799918	to		to	to

Table 94: *eq*3-width5chain-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	57	246	1838	0.00	0.00	0.00	0.00
2	4000	60012	320006	2559918	1.47	2.48	2.54	2.52
3	8000	120012	640006	5119918	2.95	5.60	5.60	5.59
4	12000	180012	960006	7679918	4.47	9.01	8.99	8.97
5	16000	240012	1280006	10239918	5.99	12.54	12.59	12.64
6	20000	300012	1600006	12799918	7.47	16.27	16.15	16.29
7	24000	360012	1920006	15359918	9.04	20.03	20.08	20.11
8	28000	420012	2240006	17919918	10.60	23.89	23.82	23.85
9	32000	480012	2560006	20479918	12.14	27.79	27.80	27.83
10	36000	540012	2880006	23039918	13.62	31.54	31.84	31.71
11	40000	600012	3200006	25599918	15.13	35.42	35.62	35.64
12	44000	660012	3520006	28159918	16.68	39.56	39.77	39.42
13	48000	720012	3840006	30719918	18.21	43.65	43.62	43.79
14	52000	780012	4160006	33279918	19.61	47.70	47.73	47.85
15	56000	840012	4480006	35839918	21.27	51.70	51.75	51.92
16	60000	900012	4800006	38399918	22.76	55.68	55.62	55.65
17	64000	960012	5120006	40959918	24.18	60.00	59.99	60.11
18	68000	1020012	5440006	43519918	25.67	63.84	63.93	64.03
19	72000	1080012	5760006	46079918	27.15	68.18	68.23	68.03
20	76000	1140012	6080006	48639918	28.87	72.16	72.22	72.31
21	80000	1200012	6400006	51199918	30.23	76.33	76.47	76.51
22	84000	1260012	6720006	53759918	31.68	80.52	80.78	80.61
23	88000	1320012	7040006	56319918	33.33	84.79	84.74	84.68
24	92000	1380012	7360006	58879918	34.78	88.65	89.02	89.00
25	96000	1440012	7680006	61439918	36.55	93.21	93.46	93.31
26	100000	1500012	8000006	63999918	38.03	97.78	97.84	97.37

Table 95: *eq*3-width5chain-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	57	246	1838	0.00	0.00	0.00	0.00
2	4000	60012	320006	2559918	to	1206.41	1606.67	1590.72
3	8000	120012	640006	5119918	to	to	to	

Table 96: *eq*3-width5chain-picosat

3 $maj3$

3.1 bintree

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	9	36	180	0.00	0.00	0.00	0.00
2	2	21	96	516	0.00	0.00	0.00	0.00
3	3	45	216	1188	0.00	0.00	0.00	0.00
4	4	93	456	2532	0.00	0.00	0.00	0.00
5	5	189	936	5220	0.01	0.01	0.01	0.01
6	6	381	1896	10596	0.03	0.02	0.03	0.03
7	7	765	3816	21348	0.06	0.06	0.06	0.06
8	8	1533	7656	42852	0.13	0.12	0.13	0.13
9	9	3069	15336	85860	0.24	0.28	0.28	0.28
10	10	6141	30696	171876	0.52	0.57	0.56	0.57
11	11	12285	61416	343908	1.05	1.17	1.15	1.19
12	12	24573	122856	687972	2.00	2.43	2.43	2.41
13	13	49149	245736	1376100	3.88	4.90	4.78	4.75
14	14	98301	491496	2752356	7.36	9.53	9.53	9.67
15	15	196605	983016	5504868	13.41	18.36	18.35	18.41
16	16	393213	1966056	11009892	23.97	34.20	34.22	34.09
17	17	786429	3932136	22019940	45.84	67.49	67.34	67.36
18	18	1572861	7864296	44040036	89.75	135.56	135.29	134.85
19	19	3145725	15728616	88080228	mo		mo	mo

Table 97: $maj3$-bintree-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	9	36	180	0.00	0.00	0.00	0.00
2	2	21	96	516	0.00	0.00	0.00	0.00
3	3	45	216	1188	0.00	0.00	0.00	0.00
4	4	93	456	2532	0.00	0.00	0.00	0.00
5	5	189	936	5220	0.00	0.00	0.00	0.00
6	6	381	1896	10596	0.00	0.00	0.00	0.00
7	7	765	3816	21348	0.01	0.02	0.02	0.01
8	8	1533	7656	42852	0.03	0.05	0.05	0.04
9	9	3069	15336	85860	0.09	0.13	0.14	0.14
10	10	6141	30696	171876	0.26	0.44	0.44	0.45
11	11	12285	61416	343908	0.92	1.54	1.56	1.57
12	12	24573	122856	687972	2.93	5.74	5.62	5.61
13	13	49149	245736	1376100	12.70	25.58	22.50	23.17
14	14	98301	491496	2752356	57.31	110.71	112.68	112.99
15	15	196605	983016	5504868	266.62	562.26	559.34	556.15
16	16	393213	1966056	11009892	1291.58	2761.68	2788.74	2639.09
17	17	786429	3932136	22019940	to		to	to

Table 98: $maj3$-bintree-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	9	36	180	0.00	0.00	0.00	0.00
2	2	21	96	516	0.00	0.00	0.00	0.00
3	3	45	216	1188	0.00	0.00	0.00	0.00
4	4	93	456	2532	0.00	0.00	0.00	0.00
5	5	189	936	5220	0.00	0.00	0.00	0.00
6	6	381	1896	10596	0.00	0.00	0.00	0.00
7	7	765	3816	21348	0.01	0.00	0.00	0.01
8	8	1533	7656	42852	0.02	0.02	0.01	0.02
9	9	3069	15336	85860	0.04	0.05	0.04	0.04
10	10	6141	30696	171876	0.08	0.11	0.10	0.10

11	11	12285	61416	343908	0.15	0.23	0.24	0.23
12	12	24573	122856	687972	0.30	0.48	0.52	0.51
13	13	49149	245736	1376100	0.69	1.22	1.13	1.22
14	14	98301	491496	2752356	1.45	2.72	2.72	2.79
15	15	196605	983016	5504868	2.86	6.33	6.23	6.31
16	16	393213	1966056	11009892	5.75	14.11	14.18	14.11
17	17	786429	3932136	22019940	11.69	30.86	30.85	30.91
18	18	1572861	7864296	44040036	23.70	66.73	66.51	66.50
19	19	3145725	15728616	88080228	47.68	141.84	141.75	141.94
20	20	6291453	31457256	176160612	96.23	304.67	305.75	304.91

Table 99: *maj*3-bintree-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	9	36	180	0.00	0.00	0.00	0.00
2	2	21	96	516	0.00	0.00	0.00	0.00
3	3	45	216	1188	0.00	0.00	0.00	0.00
4	4	93	456	2532	0.00	0.00	0.00	0.00
5	5	189	936	5220	0.00	0.00	0.00	0.00
6	6	381	1896	10596	0.01	0.01	0.01	0.01
7	7	765	3816	21348	0.03	0.03	0.03	0.03
8	8	1533	7656	42852	0.10	0.10	0.09	0.10
9	9	3069	15336	85860	0.24	0.36	0.36	0.31
10	10	6141	30696	171876	0.62	1.30	1.30	1.27
11	11	12285	61416	343908	1.79	5.75	5.74	6.67
12	12	24573	122856	687972	5.13	29.44	28.76	28.59
13	13	49149	245736	1376100	12.80	135.00	130.78	136.40
14	14	98301	491496	2752356	37.88	612.15	613.53	593.63
15	15	196605	983016	5504868	185.28	2577.72	2763.38	2575.79
16	16	393213	1966056	11009892	614.37	to	to	to

Table 100: *maj*3-bintree-picosat

3.2 gtb

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	63	474	2784	0.01	0.03	0.03	0.02
2	6	132	1047	6198	0.07	0.12	0.13	0.13
3	8	237	1944	11556	0.21	0.17	0.16	0.36
4	10	414	3489	20802	2.56	0.55	0.55	0.98
5	12	465	3900	23244	31.53	1.12	1.11	1.25
6	16	789	6720	40116	5.89	6.13	6.22	2.42
7	20	1281	11052	66060	164.06	to	to	3430.71
8	24	1473	12684	75804	to		to	to

Table 101: *maj*3-gtb-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	63	474	2784	0.01	0.00	0.00	0.00
2	6	132	1047	6198	0.01	0.02	0.02	0.03
3	8	237	1944	11556	0.04	0.06	0.06	0.03
4	10	414	3489	20802	0.21	0.15	0.15	0.26
5	12	465	3900	23244	0.22	0.14	0.14	0.21
6	16	789	6720	40116	0.20	0.24	0.23	0.24
7	20	1281	11052	66060	0.90	0.78	0.79	0.83
8	24	1473	12684	75804	0.58	0.71	0.72	0.68
9	32	2397	20808	124452	1.68	1.52	1.52	1.37
10	40	3705	32388	193836	2.60	4.25	4.23	2.45

11	48	4317	37704	225636	2.22	2.53	2.55	2.36
12	64	6813	59784	357924	3.99	4.04	4.08	4.68
13	80	10173	89640	536868	13.75	13.57	12.60	12.81
14	96	11949	105240	630276	7.08	11.60	11.61	10.91
15	128	18429	162792	975204	17.19	17.13	17.23	19.82
16	160	26829	237624	1423812	44.81	46.97	47.05	49.65
17	192	31677	280488	1680612	37.19	43.98	43.05	45.46
18	256	47997	425832	2551908	62.10	69.65	69.73	67.21
19	320	68541	609192	3651300	180.49	193.40	194.92	354.13
20	384	81213	721704	4325604	226.73	234.54	232.98	245.47
21	512	121341	1079784	6472548	544.31	534.81	526.37	589.39
22	640	170685	1520808	9117156	1145.05	3064.54	3070.66	1180.93
23	768	202749	1806312	10828644	2019.21	2948.49	2929.61	1355.50
24	1000	297921	2657292	15931740	3023.91	to	to	3470.40
25	1024	299517	2671080	16014180	to		to	to

Table 102: maj3-gtb-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	63	474	2784	0.00	0.00	0.00	0.00
2	6	132	1047	6198	0.00	0.00	0.00	0.00
3	8	237	1944	11556	0.00	0.00	0.00	0.00
4	10	414	3489	20802	0.01	0.01	0.00	0.00
5	12	465	3900	23244	0.01	0.01	0.01	0.00
6	16	789	6720	40116	0.02	0.02	0.02	0.02
7	20	1281	11052	66060	0.03	0.03	0.03	0.04
8	24	1473	12684	75804	0.02	0.05	0.05	0.05
9	32	2397	20808	124452	0.06	0.08	0.08	0.08
10	40	3705	32388	193836	0.10	0.13	0.13	0.14
11	48	4317	37704	225636	0.11	0.16	0.15	0.16
12	64	6813	59784	357924	0.20	0.27	0.25	0.25
13	80	10173	89640	536868	0.29	0.41	0.42	0.42
14	96	11949	105240	630276	0.33	0.47	0.47	0.47
15	128	18429	162792	975204	0.57	0.80	0.84	0.81
16	160	26829	237624	1423812	0.79	1.26	1.34	1.36
17	192	31677	280488	1680612	0.94	1.59	1.60	1.54
18	256	47997	425832	2551908	1.57	2.66	2.61	2.61
19	320	68541	609192	3651300	2.14	3.93	3.97	3.99
20	384	81213	721704	4325604	2.54	4.83	4.86	4.93
21	512	121341	1079784	6472548	4.16	7.90	7.94	7.85
22	640	170685	1520808	9117156	5.54	11.64	11.62	11.62
23	768	202749	1806312	10828644	6.63	14.24	14.16	14.18
24	1000	297921	2657292	15931740	9.55	22.57	22.49	22.47
25	1024	299517	2671080	16014180	10.71	22.48	22.56	22.54
26	1250	414504	3700539	22188222	12.88	32.27	32.27	32.38
27	1280	416253	3715560	22277988	13.92	32.55	32.65	32.75
28	1500	491829	4390464	26324772	15.10	39.13	39.10	39.26
29	1536	495357	4421352	26509668	16.99	39.68	39.50	39.47
30	1750	660480	5902323	35392926	20.37	54.86	54.88	54.95
31	2000	720381	6435432	38588580	23.57	60.75	60.77	60.49
32	2048	724989	6475752	38829924	26.92	61.12	61.19	61.31
33	2250	932196	8335767	49987590	29.85	79.95	79.87	80.02
34	2500	992505	8872548	53205276	31.54	85.46	85.51	86.19
35	2560	997629	8917224	53472612	34.26	86.07	85.87	85.92
36	2750	1118940	10004463	59993766	36.24	97.34	97.38	97.33
37	3000	1179249	10541244	63211452	36.63	103.56	103.18	103.40
38	3072	1188861	10626024	63719268	42.12	104.32	104.34	104.20
39	3250	1506264	13478379	80831262	46.75	136.62	136.58	136.52
40	3500	1566165	14011488	84026916	48.90	142.43	142.26	142.68
41	3750	1654944	14804499	88781982	52.09	151.52	151.88	151.59
42	4000	1713837	15328536	91923204	55.95	157.76	157.90	158.05

43	4096	1726461	15439848	92589924	65.65	159.03	159.31	159.08
44	4250	2133012	19095111	114519654	68.95	199.29	198.81	198.73
45	4500	2193321	19631892	117737340	70.60	205.57	205.28	205.76
46	4750	2281692	20421231	122470374	75.16	214.60	215.15	214.40
47	5000	2342001	20958012	125688060	75.30	221.06	221.70	221.54
48	5120	2356221	21083112	126437220	83.62	222.51	222.22	222.61
49	5250	2586072	23148651	138828894	83.03	246.25	245.89	246.02
50	5500	2636997	23600976	141539844	86.18	251.70	251.87	251.65
51	5750	2725776	24393987	146294910	86.74	261.71	262.31	261.65
52	6000	2785677	24927096	149490564	87.54	269.03	267.70	267.66
53	6144	2810877	25150440	150828900	101.89	270.36	270.56	270.82
54	6250	3456756	30960807	185689830	108.64	342.79	343.35	343.00
55	6500	3517065	31497588	188907516	110.06	350.84	350.11	350.43
56	6750	3604428	32277855	193586118	115.85	360.24	361.54	361.80
57	7000	3664737	32814636	196803804	115.69	368.10	367.83	368.36
58	7250	3816648	34175835	204967998	119.41	384.44	386.60	384.97
59	7500	3876549	34708944	208163652	123.51	392.36	392.07	391.31
60	7750	3965328	35501955	212918718	126.38	401.19	401.91	400.74
61	8000	4021821	36004392	215930340	133.56	408.08	408.13	408.43
62	8192	4055037	36298728	217694052	158.02	412.43	412.38	412.38

Table 103: *maj*3-gtb-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	63	474	2784	0.01	0.00	0.00	0.02
2	6	132	1047	6198	1.78	0.32	0.48	0.08
3	8	237	1944	11556	391.55	4.16	1.35	184.12
4	10	414	3489	20802	to	435.65	59.86	to
5	12	465	3900	23244	to	to		to

Table 104: *maj*3-gtb-picosat

3.3 pyr10seq

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	783	6066	35892	0.26	0.26	0.26	0.26
2	250	48753	378756	2242512	14.80	17.71	17.72	17.54
3	500	97503	757506	4485012	29.79	35.87	35.69	35.79
4	750	146253	1136256	6727512	42.32	53.03	53.19	53.48
5	1000	195003	1515006	8970012	55.38	70.55	70.79	70.03
6	1250	243753	1893756	11212512	68.60	88.18	87.91	88.33
7	1500	292503	2272506	13455012	82.52	104.91	104.85	105.69
8	1750	341253	2651256	15697512	96.99	121.25	121.28	122.26
9	2000	390003	3030006	17940012	108.06	139.24	139.12	139.66
10	2250	438753	3408756	20182512	121.59	157.01	156.94	157.69
11	2500	487503	3787506	22425012	134.32	208.60	208.80	210.44
12	2750	536253	4166256	24667512	148.13	238.57	238.62	241.44
13	3000	585003	4545006	26910012	161.25	268.78	269.14	268.49
14	3250	633753	4923756	29152512	174.49	300.76	299.22	298.50
15	3500	682503	5302506	31395012	188.24	381.71	381.98	394.62
16	3750	731253	5681256	33637512	200.42	433.86	433.51	418.09
17	4000	780003	6060006	35880012	213.95	474.90	474.95	468.90
18	4250	828753	6438756	38122512	231.37	521.17	518.99	519.29
19	4500	877503	6817506	40365012	254.80	559.80	560.09	562.39
20	4750	926253	7196256	42607512	260.62	609.54	608.13	597.67
21	5000	975003	7575006	44850012	281.57	641.76	642.87	649.74
22	5250	1023753	7953756	47092512	307.65	695.21	696.00	701.44
23	5500	1072503	8332506	49335012	322.82	743.84	743.44	742.67
24	5750	1121253	8711256	51577512	349.13	787.64	788.40	786.78
25	6000	1170003	9090006	53820012	395.02	842.93	841.30	844.09

26	6250	1218753	9468756	56062512	380.67	886.07	883.95	885.63
27	6500	1267503	9847506	58305012	400.95	937.17	937.00	921.04
28	6750	1316253	10226256	60547512	437.01	987.66	992.50	983.87
29	7000	1365003	10605006	62790012	438.48	1023.17	1032.72	1037.61
30	7250	1413753	10983756	65032512	452.62	1082.55	1082.89	1069.42
31	7500	1462503	11362506	67275012	547.46	1120.05	1120.16	1130.02
32	7750	1511253	11741256	69517512	501.00	1171.41	1171.72	1174.09
33	8000	1560003	12120006	71760012	517.12	1217.84	1217.04	1211.93
34	8250	1608753	12498756	74002512	548.36	1280.34	1288.21	1269.58
35	8500	1657503	12877506	76245012	562.86	1329.63	1329.64	1333.96
36	8750	1706253	13256256	78487512	612.55	1381.10	1381.04	1370.93
37	9000	1755003	13635006	80730012	mo	1416.91	1414.81	1415.04
38	9250	1803753	14013756	82972512	mo	1463.96	1463.71	1452.86
39	9500	1852503	14392506	85215012	mo	1524.54	1534.80	1518.22
40	9750	1901253	14771256	87457512	710.51	1561.17	1556.05	1560.46
41	10000	1950003	15150006	89700012	mo	1613.40	1610.06	1599.33
42	10250	1998753	15528756	91942512	mo	1650.10	1650.70	1669.72
43	10500	2047503	15907506	94185012	mo	1730.48	1733.40	1713.30
44	10750	2096253	16286256	96427512	mo	mo		mo

Table 105: *maj*3-pyr10seq-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	783	6066	35892	0.14	0.13	0.12	0.14
2	250	48753	378756	2242512	50.87	61.76	61.22	89.92
3	500	97503	757506	4485012	198.65	300.84	298.62	293.26
4	750	146253	1136256	6727512	453.11	717.36	721.79	758.96
5	1000	195003	1515006	8970012	814.42	1382.83	1519.12	1439.23
6	1250	243753	1893756	11212512	1327.18	2201.05	2199.24	2347.84
7	1500	292503	2272506	13455012	1931.54	3297.95	3365.03	3370.14
8	1750	341253	2651256	15697512	2787.29	to	to	to

Table 106: *maj*3-pyr10seq-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	783	6066	35892	0.01	0.02	0.02	0.01
2	250	48753	378756	2242512	1.25	2.25	2.26	2.26
3	500	97503	757506	4485012	2.57	5.12	5.07	5.07
4	750	146253	1136256	6727512	3.88	8.20	8.24	8.22
5	1000	195003	1515006	8970012	5.20	11.42	11.69	11.59
6	1250	243753	1893756	11212512	6.45	14.79	14.88	14.92
7	1500	292503	2272506	13455012	7.88	18.31	18.38	18.38
8	1750	341253	2651256	15697512	9.26	22.07	21.99	21.86
9	2000	390003	3030006	17940012	10.51	25.45	25.54	25.43
10	2250	438753	3408756	20182512	11.65	29.29	29.09	29.15
11	2500	487503	3787506	22425012	13.11	32.67	32.83	32.57
12	2750	536253	4166256	24667512	14.52	36.38	36.29	36.37
13	3000	585003	4545006	26910012	15.71	39.95	40.08	40.01
14	3250	633753	4923756	29152512	17.24	43.87	43.78	44.05
15	3500	682503	5302506	31395012	18.43	47.54	47.63	47.61
16	3750	731253	5681256	33637512	19.66	51.61	51.74	51.56
17	4000	780003	6060006	35880012	21.16	55.08	55.28	55.22
18	4250	828753	6438756	38122512	22.53	58.99	59.01	59.01
19	4500	877503	6817506	40365012	23.79	62.78	62.96	62.93
20	4750	926253	7196256	42607512	25.31	66.42	66.26	66.39
21	5000	975003	7575006	44850012	26.31	70.31	70.27	70.39
22	5250	1023753	7953756	47092512	27.69	74.21	74.38	74.42
23	5500	1072503	8332506	49335012	29.21	77.95	78.06	78.21
24	5750	1121253	8711256	51577512	30.51	82.05	82.22	82.07
25	6000	1170003	9090006	53820012	31.96	85.98	86.09	85.94

26	6250	1218753	9468756	56062512	33.18	89.88	89.92	90.09
27	6500	1267503	9847506	58305012	34.66	94.11	94.07	93.85
28	6750	1316253	10226256	60547512	35.80	98.00	98.09	97.95
29	7000	1365003	10605006	62790012	37.01	101.83	102.08	102.01
30	7250	1413753	10983756	65032512	38.42	106.19	105.91	105.82
31	7500	1462503	11362506	67275012	39.72	109.84	110.39	110.01
32	7750	1511253	11741256	69517512	41.18	114.17	114.09	113.84
33	8000	1560003	12120006	71760012	42.37	118.15	118.01	117.79
34	8250	1608753	12498756	74002512	44.04	122.07	122.31	122.15
35	8500	1657503	12877506	76245012	45.28	126.26	126.45	126.12
36	8750	1706253	13256256	78487512	46.64	130.38	130.30	130.38
37	9000	1755003	13635006	80730012	47.80	134.25	134.17	134.55
38	9250	1803753	14013756	82972512	49.66	138.21	138.66	138.44
39	9500	1852503	14392506	85215012	50.69	142.59	142.67	142.39
40	9750	1901253	14771256	87457512	52.15	147.28	146.66	146.75
41	10000	1950003	15150006	89700012	53.00	151.24	150.59	150.97
42	10250	1998753	15528756	91942512	54.46	155.22	155.23	155.30
43	10500	2047503	15907506	94185012	56.04	158.87	159.12	159.29
44	10750	2096253	16286256	96427512	57.45	163.16	163.67	162.95
45	11000	2145003	16665006	98670012	58.66	167.38	167.75	167.72
46	11250	2193753	17043756	100912512	60.29	171.73	171.42	171.84
47	11500	2242503	17422506	103155012	61.57	175.86	176.01	175.55
48	11750	2291253	17801256	105397512	62.85	179.74	179.52	179.83
49	12000	2340003	18180006	107640012	64.14	184.27	184.41	184.71
50	12250	2388753	18558756	109882512	65.47	189.00	188.82	189.16
51	12500	2437503	18937506	112125012	67.15	193.07	192.53	192.87
52	12750	2486253	19316256	114367512	68.45	197.23	198.33	198.36
53	13000	2535003	19695006	116610012	69.76	201.71	201.30	201.99
54	13250	2583753	20073756	118852512	71.62	205.63	205.85	206.30
55	13500	2632503	20452506	121095012	72.31	210.08	210.94	210.40
56	13750	2681253	20831256	123337512	73.97	214.00	214.78	214.39
57	14000	2730003	21210006	125580012	74.95	219.32	218.13	219.21
58	14250	2778753	21588756	127822512	76.27	223.14	224.07	223.17
59	14500	2827503	21967506	130065012	77.99	227.11	227.30	227.66
60	14750	2876253	22346256	132307512	79.35	231.46	231.42	232.26
61	15000	2925003	22725006	134550012	80.54	236.08	268.93	236.41

Table 107: $maj3$-pyr10seq-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	783	6066	35892	128.11	6.00	11.27	33.29
2	250	48753	378756	2242512	to	661.75	629.30	686.85
3	500	97503	757506	4485012	to	2332.82	2482.75	2812.54
4	750	146253	1136256	6727512		to	to	to

Table 108: $maj3$-pyr10seq-picosat

3.4 pyr1seq

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	27	126	684	0.00	0.00	0.00	0.00
2	10000	60003	300006	1680012	4.59	5.74	5.78	5.70
3	20000	120003	600006	3360012	8.85	11.53	11.64	11.64
4	30000	180003	900006	5040012	12.71	17.03	17.07	16.92
5	40000	240003	1200006	6720012	16.05	21.90	21.54	21.54
6	50000	300003	1500006	8400012	19.57	26.84	26.82	26.67
7	60000	360003	1800006	10080012	22.77	31.48	31.60	31.71
8	70000	420003	2100006	11760012	26.12	37.03	37.31	36.74
9	80000	480003	2400006	13440012	29.29	41.97	42.19	41.97
10	90000	540003	2700006	15120012	32.83	46.90	46.90	46.85

11	100000	600003	3000006	16800012	36.16	51.91	51.75	52.16
12	110000	660003	3300006	18480012	39.54	57.68	57.42	57.35
13	120000	720003	3600006	20160012	43.06	62.16	62.60	62.81
14	130000	780003	3900006	21840012	46.23	67.37	67.48	67.20
15	140000	840003	4200006	23520012	49.72	72.49	72.61	72.65
16	150000	900003	4500006	25200012	52.79	77.85	77.26	77.77
17	160000	960003	4800006	26880012	56.10	82.80	82.93	82.74
18	170000	1020003	5100006	28560012	59.55	88.42	87.99	88.16
19	180000	1080003	5400006	30240012	62.79	93.42	93.45	93.68
20	190000	1140003	5700006	31920012	66.39	98.55	98.55	98.35
21	200000	1200003	6000006	33600012	69.73	104.49	104.20	104.14
22	210000	1260003	6300006	35280012	72.53	109.13	109.31	109.13
23	220000	1320003	6600006	36960012	76.30	114.06	114.24	114.63
24	230000	1380003	6900006	38640012	79.43	119.48	119.32	119.42
25	240000	1440003	7200006	40320012	83.10	125.51	126.00	125.14
26	250000	1500003	7500006	42000012	85.92	129.74	130.29	129.85
27	260000	1560003	7800006	43680012	89.31	136.30	135.51	135.94
28	270000	1620003	8100006	45360012	93.14	140.25	140.34	141.17
29	280000	1680003	8400006	47040012	96.30	146.49	145.93	146.43
30	290000	1740003	8700006	48720012	99.35	152.05	152.80	152.07
31	300000	1800003	9000006	50400012	mo		mo	mo

Table 109: *maj*3-pyr1seq-lingeling

♯	**par**	**vars**	**clauses**	**literals**	**C**	**R1**	**R2**	**R3**
1	4	27	126	684	0.00	0.00	0.00	0.00
2	10000	60003	300006	1680012	32.30	63.50	63.60	76.64
3	20000	120003	600006	3360012	123.38	408.18	410.03	410.97
4	30000	180003	900006	5040012	318.12	1505.78	1510.21	1478.78
5	40000	240003	1200006	6720012	640.80	3177.78	3177.33	1979.37
6	50000	300003	1500006	8400012	951.35	to	to	to

Table 110: *maj*3-pyr1seq-minisatcore

♯	**par**	**vars**	**clauses**	**literals**	**C**	**R1**	**R2**	**R3**
1	4	27	126	684	0.00	0.00	0.00	0.00
2	10000	60003	300006	1680012	0.84	1.50	1.45	1.46
3	20000	120003	600006	3360012	1.71	3.63	3.44	3.50
4	30000	180003	900006	5040012	2.95	5.80	5.73	5.74
5	40000	240003	1200006	6720012	3.86	8.04	8.17	8.11
6	50000	300003	1500006	8400012	4.66	10.35	10.42	10.36
7	60000	360003	1800006	10080012	5.33	12.80	12.85	12.72
8	70000	420003	2100006	11760012	6.56	15.20	15.38	15.00
9	80000	480003	2400006	13440012	7.20	17.44	17.61	17.81
10	90000	540003	2700006	15120012	8.28	20.19	20.25	20.24
11	100000	600003	3000006	16800012	9.18	22.83	22.60	22.51
12	110000	660003	3300006	18480012	10.01	25.28	25.21	25.21
13	120000	720003	3600006	20160012	10.82	27.91	28.01	28.10
14	130000	780003	3900006	21840012	11.63	30.40	30.46	30.57
15	140000	840003	4200006	23520012	12.61	33.13	33.13	33.06
16	150000	900003	4500006	25200012	13.53	35.65	35.79	35.66
17	160000	960003	4800006	26880012	14.30	38.33	38.42	38.24
18	170000	1020003	5100006	28560012	15.27	41.14	41.14	40.88
19	180000	1080003	5400006	30240012	16.03	43.83	43.69	43.46
20	190000	1140003	5700006	31920012	17.07	46.57	46.32	46.31
21	200000	1200003	6000006	33600012	18.07	49.26	49.32	49.32
22	210000	1260003	6300006	35280012	18.98	51.91	51.63	51.61
23	220000	1320003	6600006	36960012	19.87	54.57	54.50	54.76
24	230000	1380003	6900006	38640012	20.70	57.52	57.35	57.42
25	240000	1440003	7200006	40320012	21.57	60.08	59.99	60.11

26	250000	1500003	7500006	42000012	22.66	62.73	62.53	62.79
27	260000	1560003	7800006	43680012	23.40	65.39	65.64	65.44
28	270000	1620003	8100006	45360012	24.26	68.47	68.53	68.48
29	280000	1680003	8400006	47040012	25.43	71.22	71.31	71.29
30	290000	1740003	8700006	48720012	26.35	74.03	74.08	74.09
31	300000	1800003	9000006	50400012	27.31	76.53	76.90	76.78
32	310000	1860003	9300006	52080012	28.10	79.76	79.73	79.73
33	320000	1920003	9600006	53760012	28.84	82.88	82.19	82.40
34	330000	1980003	9900006	55440012	29.79	85.27	85.03	85.11
35	340000	2040003	10200006	57120012	30.82	87.85	87.76	88.09
36	350000	2100003	10500006	58800012	31.57	90.60	90.62	90.70
37	360000	2160003	10800006	60480012	32.50	93.66	93.35	93.89
38	370000	2220003	11100006	62160012	33.71	96.42	96.30	96.36
39	380000	2280003	11400006	63840012	34.64	98.96	98.97	99.14
40	390000	2340003	11700006	65520012	35.52	102.20	101.76	101.88
41	400000	2400003	12000006	67200012	36.32	104.72	104.87	104.84
42	410000	2460003	12300006	68880012	37.12	107.91	107.59	108.06
43	420000	2520003	12600006	70560012	38.38	110.75	110.49	110.62
44	430000	2580003	12900006	72240012	39.10	113.35	113.33	113.60
45	440000	2640003	13200006	73920012	40.14	116.23	116.32	116.37
46	450000	2700003	13500006	75600012	41.27	119.18	119.59	119.11
47	460000	2760003	13800006	77280012	41.91	122.12	122.22	121.79
48	470000	2820003	14100006	78960012	43.14	125.30	124.97	125.18
49	480000	2880003	14400006	80640012	43.83	127.65	127.83	128.06
50	490000	2940003	14700006	82320012	44.52	131.12	131.05	130.81
51	500000	3000003	15000006	84000012	45.52	133.72	133.93	133.86

Table 111: $maj3$-pyr1seq-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	27	126	684	0.00	0.00	0.00	0.00
2	10000	60003	300006	1680012	29.97	465.34	464.91	535.73
3	20000	120003	600006	3360012	153.42	2895.19	2717.82	1878.20
4	30000	180003	900006	5040012		to	to	to

Table 112: $maj3$-pyr1seq-picosat

3.5 pyr3seq

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	111	690	3972	0.02	0.02	0.02	0.02
2	2500	67503	427506	2475012	15.56	18.35	18.32	18.26
3	5000	135003	855006	4950012	34.68	39.30	39.37	39.35
4	7500	202503	1282506	7425012	52.06	60.93	60.28	60.21
5	10000	270003	1710006	9900012	69.40	79.83	80.09	79.92
6	12500	337503	2137506	12375012	86.75	100.38	100.50	100.25
7	15000	405003	2565006	14850012	105.65	120.96	121.05	121.00
8	17500	472503	2992506	17325012	121.98	141.04	141.22	141.71
9	20000	540003	3420006	19800012	146.19	161.83	162.25	162.00
10	22500	607503	3847506	22275012	161.83	182.27	182.17	182.27
11	25000	675003	4275006	24750012	181.84	202.61	202.66	203.26
12	27500	742503	4702506	27225012	197.21	223.80	223.38	223.28
13	30000	810003	5130006	29700012	216.03	243.99	244.16	243.78
14	32500	877503	5557506	32175012	232.18	264.37	264.88	264.53
15	35000	945003	5985006	34650012	252.60	284.81	284.99	285.38
16	37500	1012503	6412506	37125012	270.57	305.62	305.59	305.89
17	40000	1080003	6840006	39600012	287.53	326.57	326.47	326.49
18	42500	1147503	7267506	42075012	303.88	347.22	347.28	347.20
19	45000	1215003	7695006	44550012	325.88	388.27	388.81	387.43
20	47500	1282503	8122506	47025012	347.57	425.33	426.15	424.94

21	50000	1350003	8550006	49500012	367.91	474.89	475.17	458.25
22	52500	1417503	8977506	51975012	395.79	485.74	486.87	484.31
23	55000	1485003	9405006	54450012	423.01	509.21	510.27	509.42
24	57500	1552503	9832506	56925012	451.61	533.55	532.12	532.66
25	60000	1620003	10260006	59400012	477.30	555.64	556.46	556.37
26	62500	1687503	10687506	61875012	498.30	581.49	581.29	580.42
27	65000	1755003	11115006	64350012	mo	597.74	598.67	598.43
28	67500	1822503	11542506	66825012		mo	mo	mo

Table 113: *maj*3-pyr3seq-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	111	690	3972	0.00	0.00	0.00	0.00
2	2500	67503	427506	2475012	50.86	142.30	146.86	130.76
3	5000	135003	855006	4950012	307.19	627.22	719.28	605.68
4	7500	202503	1282506	7425012	697.54	1982.55	2364.66	1791.47
5	10000	270003	1710006	9900012	1683.28	to	to	to

Table 114: *maj*3-pyr3seq-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	111	690	3972	0.00	0.00	0.00	0.00
2	2500	67503	427506	2475012	1.32	2.48	2.50	2.49
3	5000	135003	855006	4950012	2.71	5.63	5.61	5.63
4	7500	202503	1282506	7425012	4.10	9.20	9.15	9.14
5	10000	270003	1710006	9900012	5.53	12.67	12.79	12.86
6	12500	337503	2137506	12375012	7.00	16.51	16.47	16.44
7	15000	405003	2565006	14850012	8.31	20.42	20.44	20.24
8	17500	472503	2992506	17325012	9.86	24.29	24.08	24.23
9	20000	540003	3420006	19800012	11.23	28.17	28.12	28.13
10	22500	607503	3847506	22275012	12.60	32.15	32.17	32.08
11	25000	675003	4275006	24750012	14.03	36.03	36.18	36.30
12	27500	742503	4702506	27225012	15.53	40.31	40.50	40.27
13	30000	810003	5130006	29700012	16.88	44.30	44.31	44.20
14	32500	877503	5557506	32175012	18.34	48.44	48.49	48.70
15	35000	945003	5985006	34650012	19.91	52.73	52.43	52.56
16	37500	1012503	6412506	37125012	21.28	56.44	56.55	56.81
17	40000	1080003	6840006	39600012	22.87	60.96	60.75	60.79
18	42500	1147503	7267506	42075012	24.01	64.83	65.12	65.18
19	45000	1215003	7695006	44550012	25.61	69.26	69.29	69.29
20	47500	1282503	8122506	47025012	27.19	73.47	73.50	73.46
21	50000	1350003	8550006	49500012	28.45	77.75	78.02	77.66
22	52500	1417503	8977506	51975012	30.14	82.26	82.19	82.05
23	55000	1485003	9405006	54450012	31.30	86.73	86.25	86.41
24	57500	1552503	9832506	56925012	32.93	90.58	90.50	90.93
25	60000	1620003	10260006	59400012	34.39	95.03	94.99	95.00
26	62500	1687503	10687506	61875012	35.65	99.21	99.29	99.22
27	65000	1755003	11115006	64350012	37.15	103.67	103.58	103.73
28	67500	1822503	11542506	66825012	38.66	107.95	108.30	108.16

Table 115: *maj*3-pyr3seq-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	111	690	3972	0.00	0.00	0.00	0.00
2	2500	67503	427506	2475012	107.33	886.56	927.19	1024.07
3	5000	135003	855006	4950012	225.92	to	to	to

Table 116: *maj*3-pyr3seq-picosat

3.6 pyr5seq

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	243	1686	9852	0.08	0.08	0.08	0.08
2	1000	60003	420006	2460012	19.93	25.77	25.75	26.62
3	2000	120003	840006	4920012	39.63	51.69	51.83	52.78
4	3000	180003	1260006	7380012	58.22	79.79	79.97	78.99
5	4000	240003	1680006	9840012	77.63	105.91	106.07	105.47
6	5000	300003	2100006	12300012	95.45	131.66	131.69	131.68
7	6000	360003	2520006	14760012	114.91	158.94	158.85	158.41
8	7000	420003	2940006	17220012	134.01	239.32	238.34	239.68
9	8000	480003	3360006	19680012	152.22	292.03	292.51	291.84
10	9000	540003	3780006	22140012	171.62	336.63	336.49	339.09
11	10000	600003	4200006	24600012	190.42	380.64	381.00	380.51
12	11000	660003	4620006	27060012	207.09	490.59	490.44	471.57
13	12000	720003	5040006	29520012	229.44	607.30	606.79	601.64
14	13000	780003	5460006	31980012	257.49	672.89	672.35	672.33
15	14000	840003	5880006	34440012	277.98	741.00	741.20	748.63
16	15000	900003	6300006	36900012	314.16	829.15	829.20	825.14
17	16000	960003	6720006	39360012	342.33	890.74	891.24	899.41
18	17000	1020003	7140006	41820012	393.20	978.14	976.35	975.46
19	18000	1080003	7560006	44280012	452.07	1044.38	1043.14	1055.01
20	19000	1140003	7980006	46740012	429.60	1111.40	1112.13	1110.94
21	20000	1200003	8400006	49200012	482.63	1183.59	1183.04	1195.01
22	21000	1260003	8820006	51660012	533.45	1241.97	1242.36	1247.86
23	22000	1320003	9240006	54120012	544.47	1317.29	1316.69	1335.72
24	23000	1380003	9660006	56580012	565.10	1376.89	1377.90	1402.24
25	24000	1440003	10080006	59040012	636.04	1452.94	1457.08	1449.85
26	25000	1500003	10500006	61500012	599.43	1531.72	1529.40	1525.98
27	26000	1560003	10920006	63960012	628.64	1608.41	1603.89	1589.73
28	27000	1620003	11340006	66420012	697.50	1651.54	1655.13	1664.31
29	28000	1680003	11760006	68880012	mo	1710.53	1704.47	1716.30
30	29000	1740003	12180006	71340012	mo	1778.04	1780.88	1789.83
31	30000	1800003	12600006	73800012	mo	1820.30	1812.90	1808.79
32	31000	1860003	13020006	76260012	mo	1796.50	1797.91	1756.66
33	32000	1920003	13440006	78720012	mo	2191.06	2267.66	2452.60
34	33000	1980003	13860006	81180012	mo	2393.11	2394.85	2404.59
35	34000	2040003	14280006	83640012	mo	2474.09	2477.23	2478.92
36	35000	2100003	14700006	86100012	1245.63	mo	mo	mo

Table 117: $maj3$-pyr5seq-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	243	1686	9852	0.01	0.01	0.02	0.02
2	1000	60003	420006	2460012	64.03	81.65	81.60	97.14
3	2000	120003	840006	4920012	226.58	515.53	514.89	657.37
4	3000	180003	1260006	7380012	529.18	1166.07	1261.60	1279.90
5	4000	240003	1680006	9840012	1073.74	2610.63	2611.84	2773.56
6	5000	300003	2100006	12300012	1655.78	to	to	to

Table 118: $maj3$-pyr5seq-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	243	1686	9852	0.00	0.00	0.00	0.00
2	1000	60003	420006	2460012	1.33	2.47	2.48	2.44
3	2000	120003	840006	4920012	2.65	5.60	5.64	5.61
4	3000	180003	1260006	7380012	4.12	9.15	9.09	9.04
5	4000	240003	1680006	9840012	5.42	12.63	12.65	12.63
6	5000	300003	2100006	12300012	6.84	16.46	16.40	16.35

7	6000	360003	2520006	14760012	8.18	20.19	20.13	20.16
8	7000	420003	2940006	17220012	9.56	24.19	24.14	24.21
9	8000	480003	3360006	19680012	10.89	28.07	27.91	28.06
10	9000	540003	3780006	22140012	12.52	32.01	31.94	31.97
11	10000	600003	4200006	24600012	13.81	35.89	35.99	35.99
12	11000	660003	4620006	27060012	15.23	39.98	40.08	39.95
13	12000	720003	5040006	29520012	16.72	44.11	44.09	44.10
14	13000	780003	5460006	31980012	17.96	48.26	48.27	48.13
15	14000	840003	5880006	34440012	19.43	52.24	52.20	52.30
16	15000	900003	6300006	36900012	20.76	56.69	56.43	56.71
17	16000	960003	6720006	39360012	22.15	60.35	60.55	60.64
18	17000	1020003	7140006	41820012	23.60	64.37	64.51	64.47
19	18000	1080003	7560006	44280012	24.94	68.65	68.90	69.10
20	19000	1140003	7980006	46740012	26.55	73.12	73.16	73.14
21	20000	1200003	8400006	49200012	27.94	77.28	77.26	77.77
22	21000	1260003	8820006	51660012	29.68	81.51	81.79	81.87
23	22000	1320003	9240006	54120012	30.77	85.84	85.89	85.93
24	23000	1380003	9660006	56580012	32.24	90.08	90.06	90.25
25	24000	1440003	10080006	59040012	33.75	94.51	94.96	94.63
26	25000	1500003	10500006	61500012	35.02	98.86	98.81	99.19
27	26000	1560003	10920006	63960012	36.45	103.39	103.51	103.34
28	27000	1620003	11340006	66420012	37.80	107.84	107.82	107.50
29	28000	1680003	11760006	68880012	39.06	113.37	112.06	112.18
30	29000	1740003	12180006	71340012	40.75	116.08	116.47	116.63
31	30000	1800003	12600006	73800012	41.90	120.90	121.06	121.11
32	31000	1860003	13020006	76260012	43.44	125.41	125.46	125.42
33	32000	1920003	13440006	78720012	44.70	129.79	129.59	130.40
34	33000	1980003	13860006	81180012	46.30	134.28	133.95	133.88
35	34000	2040003	14280006	83640012	47.70	138.92	138.88	138.55
36	35000	2100003	14700006	86100012	49.15	142.60	143.19	142.58
37	36000	2160003	15120006	88560012	50.67	147.66	147.60	147.45
38	37000	2220003	15540006	91020012	52.31	151.68	151.70	151.98
39	38000	2280003	15960006	93480012	53.74	156.72	156.31	156.49
40	39000	2340003	16380006	95940012	55.13	160.98	160.65	161.29
41	40000	2400003	16800006	98400012	56.35	165.58	166.10	165.39
42	41000	2460003	17220006	100860012	58.06	170.90	170.54	170.17
43	42000	2520003	17640006	103320012	59.34	174.76	174.17	174.39
44	43000	2580003	18060006	105780012	60.83	179.54	179.48	179.38
45	44000	2640003	18480006	108240012	62.29	184.04	184.04	184.21
46	45000	2700003	18900006	110700012	63.75	188.69	188.87	188.42
47	46000	2760003	19320006	113160012	65.07	193.37	193.54	193.30
48	47000	2820003	19740006	115620012	66.77	198.42	197.50	197.98
49	48000	2880003	20160006	118080012	68.01	202.27	202.93	202.26
50	49000	2940003	20580006	120540012	69.38	207.06	207.13	207.63
51	50000	3000003	21000006	123000012	70.78	211.95	212.16	211.73

Table 119: *maj*3-pyr5seq-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	243	1686	9852	0.15	0.06	0.05	0.04
2	1000	60003	420006	2460012	337.26	998.76	1003.16	1020.81
3	2000	120003	840006	4920012	699.34	to	to	to

Table 120: *maj*3-pyr5seq-picosat

3.7 pyramid

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	18	93	510	0.00	0.00	0.00	0.00
2	4	45	288	1656	0.01	0.01	0.01	0.01

3	6	84	591	3450	0.03	0.03	0.03	0.03
4	8	135	1002	5892	0.04	0.04	0.04	0.04
5	10	198	1521	8982	0.06	0.06	0.06	0.06
6	12	273	2148	12720	0.08	0.09	0.09	0.09
7	14	360	2883	17106	0.11	0.15	0.15	0.12
8	16	459	3726	22140	0.14	0.14	0.14	0.14
9	18	570	4677	27822	0.16	0.18	0.27	0.17
10	20	693	5736	34152	0.20	0.21	0.21	0.20
11	22	828	6903	41130	0.22	0.25	0.25	0.41
12	24	975	8178	48756	0.26	0.28	0.28	0.28
13	26	1134	9561	57030	0.30	0.32	0.32	0.33
14	28	1305	11052	65952	0.35	0.38	0.37	0.37
15	30	1488	12651	75522	0.39	0.42	0.42	0.42
16	32	1683	14358	85740	0.42	0.48	0.47	0.47
17	34	1890	16173	96606	0.49	0.52	0.52	0.53
18	36	2109	18096	108120	0.54	0.59	0.58	0.56
19	38	2340	20127	120282	0.57	0.65	0.64	0.63
20	40	2583	22266	133092	0.61	0.71	0.70	0.71
21	42	2838	24513	146550	1.08	0.75	0.76	0.79
22	44	3105	26868	160656	0.76	0.83	0.83	0.83
23	46	3384	29331	175410	0.80	0.92	0.91	0.90
24	48	3675	31902	190812	1.47	0.99	0.98	0.98
25	50	3978	34581	206862	0.92	1.08	1.08	1.06
26	52	4293	37368	223560	0.94	1.16	1.14	1.14
27	54	4620	40263	240906	1.09	1.21	1.22	1.24
28	56	4959	43266	258900	1.09	1.32	1.31	1.31
29	58	5310	46377	277542	2.01	1.38	1.40	1.38
30	60	5673	49596	296832	1.33	1.52	1.52	1.49
31	62	6048	52923	316770	2.39	1.60	1.58	2.49
32	64	6435	56358	337356	1.49	1.73	1.74	1.70
33	66	6834	59901	358590	1.56	1.83	1.80	1.73
34	68	7245	63552	380472	1.60	1.91	1.92	1.92
35	70	7668	67311	403002	1.69	1.93	1.94	2.00
36	72	8103	71178	426180	1.75	2.08	2.07	2.07
37	74	8550	75153	450006	1.79	2.02	2.15	2.17
38	76	9009	79236	474480	1.93	2.18	2.19	2.28
39	78	9480	83427	499602	2.00	2.33	2.34	2.21
40	80	9963	87726	525372	2.03	2.26	2.24	2.25
41	82	10458	92133	551790	2.13	2.47	2.57	2.60
42	84	10965	96648	578856	2.11	2.48	2.67	2.58
43	86	11484	101271	606570	2.18	2.74	2.56	2.74
44	88	12015	106002	634932	2.24	2.88	2.89	2.95
45	90	12558	110841	663942	2.45	2.96	2.98	2.95
46	92	13113	115788	693600	2.46	2.91	3.09	2.89
47	94	13680	120843	723906	2.51	3.05	3.23	3.19
48	96	14259	126006	754860	2.58	3.14	3.11	3.18
49	98	14850	131277	786462	2.80	3.39	3.20	3.18
50	100	15453	136656	818712	2.80	3.42	3.40	3.58
51	105	17013	150576	902172	3.04	3.88	3.58	3.90
52	110	18648	165171	989682	3.27	4.21	4.23	4.21
53	115	20358	180441	1081242	3.53	4.43	4.33	4.22
54	120	22143	196386	1176852	3.66	4.97	4.73	4.93
55	125	24003	213006	1276512	4.10	5.23	5.32	5.28
56	130	25938	230301	1380222	4.32	5.48	5.64	5.74
57	135	27948	248271	1487982	4.61	6.11	6.15	5.84
58	140	30033	266916	1599792	4.87	6.39	6.15	6.45
59	145	32193	286236	1715652	5.38	6.58	6.61	7.12
60	150	34428	306231	1835562	5.55	7.02	7.16	7.13
61	155	36738	326901	1959522	5.85	7.48	7.70	7.58
62	160	39123	348246	2087532	6.15	8.02	7.98	8.08
63	165	41583	370266	2219592	6.28	8.62	8.91	8.54
64	170	44118	392961	2355702	6.88	9.36	9.40	9.47

65	175	46728	416331	2495862	7.33	9.82	9.81	9.86
66	180	49413	440376	2640072	7.64	9.84	10.14	10.38
67	185	52173	465096	2788332	8.05	10.76	11.01	10.72
68	190	55008	490491	2940642	8.35	10.94	11.04	11.53
69	195	57918	516561	3097002	8.82	11.76	12.06	11.83
70	200	60903	543306	3257412	9.18	12.19	12.21	12.27
71	205	63963	570726	3421872	9.80	13.17	12.96	13.30
72	210	67098	598821	3590382	9.99	13.39	13.45	14.26
73	215	70308	627591	3762942	10.90	14.73	14.21	14.06
74	220	73593	657036	3939552	11.23	15.28	14.87	14.80
75	225	76953	687156	4120212	11.38	15.56	15.64	15.48
76	230	80388	717951	4304922	11.92	16.99	16.53	16.40
77	235	83898	749421	4493682	12.37	18.03	16.91	16.84
78	240	87483	781566	4686492	12.56	18.04	17.85	17.38
79	245	91143	814386	4883352	13.01	18.88	18.93	18.00
80	250	94878	847881	5084262	13.55	19.57	19.53	18.97
81	255	98688	882051	5289222	14.19	20.12	19.64	19.59
82	260	102573	916896	5498232	14.71	20.20	20.13	20.73
83	265	106533	952416	5711292	15.18	20.99	21.15	21.32
84	270	110568	988611	5928402	15.72	21.86	21.99	21.73
85	275	114678	1025481	6149562	16.39	22.36	22.42	22.50
86	280	118863	1063026	6374772	20.35	23.70	23.50	24.83
87	285	123123	1101246	6604032	18.98	31.83	30.88	27.86
88	290	127458	1140141	6837342	17.78	25.37	30.05	35.57
89	295	131868	1179711	7074702	18.22	46.40	27.68	27.94
90	300	136353	1219956	7316112	20.03	46.18	32.89	29.48
91	305	140913	1260876	7561572	22.28	36.37	33.87	40.83
92	310	145548	1302471	7811082	21.29	31.89	31.38	31.72
93	315	150258	1344741	8064642	21.58	32.85	32.82	33.35
94	320	155043	1387686	8322252	22.67	33.77	31.61	33.33
95	325	159903	1431306	8583912	23.18	35.33	37.35	34.99
96	330	164838	1475601	8849622	23.55	36.58	35.18	35.56
97	335	169848	1520571	9119382	24.31	36.25	36.51	39.69
98	340	174933	1566216	9393192	24.68	36.23	41.28	40.51
99	345	180093	1612536	9671052	26.10	39.16	40.61	39.23
100	350	185328	1659531	9952962	26.53	39.91	40.13	39.59
101	355	190638	1707201	10238922	26.60	42.31	41.79	40.06
102	360	196023	1755546	10528932	25.56	39.63	37.20	37.56
103	365	201483	1804566	10822992	38.01	55.84	54.49	53.24
104	370	207018	1854261	11121102	39.38	59.94	53.95	59.64
105	375	212628	1904631	11423262	30.99	51.55	59.55	48.74
106	380	218313	1955676	11729472	34.37	41.26	47.92	51.40
107	385	224073	2007396	12039732	28.94	41.84	42.48	42.30
108	390	229908	2059791	12354042	29.43	43.06	42.98	42.86
109	395	235818	2112861	12672402	29.98	44.56	44.41	44.45
110	400	241803	2166606	12994812	34.10	60.55	52.65	46.03
111	405	247863	2221026	13321272	31.75	45.69	45.67	45.86
112	410	253998	2276121	13651782	35.41	53.46	47.87	47.22
113	415	260208	2331891	13986342	34.67	53.24	52.68	52.43
114	420	266493	2388336	14324952	35.55	54.22	55.33	55.97
115	425	272853	2445456	14667612	37.11	55.20	55.74	55.93
116	430	279288	2503251	15014322	36.93	57.89	59.03	59.29
117	435	285798	2561721	15365082	38.20	57.45	61.46	55.88
118	440	292383	2620866	15719892	39.12	59.24	59.22	61.29
119	445	299043	2680686	16078752	37.70	58.91	56.33	59.45
120	450	305778	2741181	16441662	38.16	58.67	55.57	59.72
121	455	312588	2802351	16808622	38.92	58.17	58.35	58.35
122	460	319473	2864196	17179632	39.63	60.56	60.13	61.43
123	465	326433	2926716	17554692	40.58	60.80	61.97	62.65
124	470	333468	2989911	17933802	41.13	62.93	63.86	61.71
125	475	340578	3053781	18316962	42.26	64.10	64.99	64.03
126	480	347763	3118326	18704172	42.83	63.30	64.24	65.57

127	485	355023	3183546	19095432	43.66	67.86	68.83	68.36
128	490	362358	3249441	19490742	44.68	67.60	69.33	69.21
129	495	369768	3316011	19890102	45.44	68.91	68.08	69.53
130	500	377253	3383256	20293512	46.30	70.93	70.30	70.80
131	525	415803	3729606	22371312	50.56	77.88	77.52	76.71
132	550	456228	4092831	24550362	55.15	85.70	84.15	86.29
133	575	498528	4472931	26830662	60.21	92.03	94.47	94.83
134	600	542703	4869906	29212212	65.12	99.60	99.84	99.06
135	625	588753	5283756	31695012	69.19	104.74	104.94	105.78
136	650	636678	5714481	34279062	75.08	113.96	113.71	114.28
137	675	686478	6162081	36964362	80.48	123.73	123.96	121.73
138	700	738153	6626556	39750912	86.28	131.21	131.57	131.99
139	725	791703	7107906	42638712	93.37	142.11	142.04	141.76
140	750	847128	7606131	45627762	98.51	151.49	151.90	151.42
141	775	904428	8121231	48718062	104.91	160.65	160.91	161.54
142	800	963603	8653206	51909612	111.64	172.45	172.42	171.77
143	825	1024653	9202056	55202412	119.09	189.91	189.61	180.47
144	850	1087578	9767781	58596462	mo	mo	mo	221.57

Table 121: *maj*3-pyramid-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	18	93	510	0.00	0.00	0.00	0.00
2	4	45	288	1656	0.00	0.00	0.00	0.00
3	6	84	591	3450	0.00	0.00	0.00	0.00
4	8	135	1002	5892	0.01	0.01	0.01	0.01
5	10	198	1521	8982	0.01	0.02	0.02	0.02
6	12	273	2148	12720	0.03	0.04	0.04	0.04
7	14	360	2883	17106	0.05	0.04	0.04	0.05
8	16	459	3726	22140	0.08	0.08	0.08	0.08
9	18	570	4677	27822	0.11	0.16	0.10	0.11
10	20	693	5736	34152	0.14	0.13	0.12	0.12
11	22	828	6903	41130	0.17	0.16	0.16	0.16
12	24	975	8178	48756	0.20	0.19	0.20	0.24
13	26	1134	9561	57030	0.28	0.31	0.32	0.31
14	28	1305	11052	65952	0.35	0.37	0.37	0.32
15	30	1488	12651	75522	0.35	0.37	0.37	0.37
16	32	1683	14358	85740	0.53	0.41	0.42	0.61
17	34	1890	16173	96606	0.59	0.59	0.61	0.57
18	36	2109	18096	108120	0.74	0.74	0.74	0.80
19	38	2340	20127	120282	0.83	0.83	0.83	0.84
20	40	2583	22266	133092	0.91	0.93	0.90	0.90
21	42	2838	24513	146550	0.94	0.93	0.94	0.92
22	44	3105	26868	160656	0.98	1.22	1.23	1.50
23	46	3384	29331	175410	1.62	1.61	1.57	1.39
24	48	3675	31902	190812	1.53	1.54	1.55	1.75
25	50	3978	34581	206862	1.76	1.77	1.75	2.13
26	52	4293	37368	223560	1.99	1.83	1.82	1.96
27	54	4620	40263	240906	2.09	2.19	2.21	2.13
28	56	4959	43266	258900	2.33	2.39	2.40	2.19
29	58	5310	46377	277542	2.46	2.47	2.45	2.43
30	60	5673	49596	296832	2.49	2.98	2.93	2.71
31	62	6048	52923	316770	3.01	3.87	3.93	2.85
32	64	6435	56358	337356	3.73	4.14	4.19	3.94
33	66	6834	59901	358590	3.48	4.26	4.29	3.96
34	68	7245	63552	380472	4.48	4.18	4.17	4.39
35	70	7668	67311	403002	4.84	4.25	4.22	5.19
36	72	8103	71178	426180	5.00	5.24	5.20	4.89
37	74	8550	75153	450006	4.86	5.88	6.07	6.03
38	76	9009	79236	474480	5.59	5.94	5.81	5.91
39	78	9480	83427	499602	5.60	7.14	6.88	6.12

40	80	9963	87726	525372	6.80	6.89	6.78	6.90
41	82	10458	92133	551790	6.38	6.99	6.98	7.59
42	84	10965	96648	578856	7.62	7.21	7.12	7.44
43	86	11484	101271	606570	7.51	8.06	7.92	7.80
44	88	12015	106002	634932	10.20	11.12	11.34	10.69
45	90	12558	110841	663942	9.93	9.86	9.94	11.55
46	92	13113	115788	693600	9.88	9.98	9.94	11.28
47	94	13680	120843	723906	11.79	11.03	11.70	11.99
48	96	14259	126006	754860	12.18	11.56	11.36	12.12
49	98	14850	131277	786462	12.57	12.88	12.46	12.60
50	100	15453	136656	818712	12.47	13.81	13.91	13.93
51	105	17013	150576	902172	14.22	14.79	15.06	15.22
52	110	18648	165171	989682	18.04	17.56	18.26	17.41
53	115	20358	180441	1081242	19.08	20.36	20.66	20.67
54	120	22143	196386	1176852	20.30	28.20	27.52	22.10
55	125	24003	213006	1276512	29.40	31.61	31.91	34.38
56	130	25938	230301	1380222	34.59	34.81	34.43	37.47
57	135	27948	248271	1487982	37.24	33.39	35.38	34.37
58	140	30033	266916	1599792	40.79	45.38	49.75	43.64
59	145	32193	286236	1715652	43.34	46.38	51.77	46.33
60	150	34428	306231	1835562	49.96	49.68	49.38	51.80
61	155	36738	326901	1959522	55.13	54.07	55.54	53.98
62	160	39123	348246	2087532	56.68	66.35	61.24	62.26
63	165	41583	370266	2219592	61.26	68.55	73.36	69.01
64	170	44118	392961	2355702	74.77	85.37	85.50	82.99
65	175	46728	416331	2495862	113.24	92.87	93.56	98.71
66	180	49413	440376	2640072	107.88	108.31	116.15	98.63
67	185	52173	465096	2788332	119.23	117.52	114.99	113.65
68	190	55008	490491	2940642	113.76	124.56	134.84	115.80
69	195	57918	516561	3097002	137.04	161.80	155.82	137.22
70	200	60903	543306	3257412	131.83	148.86	148.33	146.36
71	205	63963	570726	3421872	145.67	168.42	157.95	174.16
72	210	67098	598821	3590382	170.30	176.67	181.07	167.92
73	215	70308	627591	3762942	176.41	212.26	208.45	191.66
74	220	73593	657036	3939552	203.18	243.57	226.72	214.24
75	225	76953	687156	4120212	203.88	245.75	231.28	254.97
76	230	80388	717951	4304922	243.94	256.11	254.86	257.03
77	235	83898	749421	4493682	261.85	283.46	264.63	275.55
78	240	87483	781566	4686492	261.59	301.61	301.36	300.04
79	245	91143	814386	4883352	288.16	386.44	384.36	358.91
80	250	94878	847881	5084262	370.23	451.83	508.10	387.23
81	255	98688	882051	5289222	465.27	454.98	458.12	413.11
82	260	102573	916896	5498232	478.86	482.09	471.19	453.92
83	265	106533	952416	5711292	448.71	478.23	497.21	516.79
84	270	110568	988611	5928402	459.23	493.21	516.53	500.47
85	275	114678	1025481	6149562	510.73	545.69	544.83	572.86
86	280	118863	1063026	6374772	731.45	602.32	618.55	625.49
87	285	123123	1101246	6604032	998.65	673.77	905.06	915.43
88	290	127458	1140141	6837342	706.02	772.17	686.84	723.62
89	295	131868	1179711	7074702	687.45	997.51	820.67	916.35
90	300	136353	1219956	7316112	876.56	919.74	993.20	875.95
91	305	140913	1260876	7561572	1100.80	948.62	974.32	954.05
92	310	145548	1302471	7811082	1119.13	1295.07	1217.60	1284.13
93	315	150258	1344741	8064642	990.52	1441.87	1229.43	1170.44
94	320	155043	1387686	8322252	1060.89	1316.77	1359.74	1380.93
95	325	159903	1431306	8583912	1529.49	1621.90	1429.94	1384.70
96	330	164838	1475601	8849622	1294.14	1476.65	1361.45	1359.60
97	335	169848	1520571	9119382	1644.84	1645.78	1491.64	1466.01
98	340	174933	1566216	9393192	1435.15	1597.34	2058.38	1649.03
99	345	180093	1612536	9671052	1674.19	1900.88	1714.19	2086.48
100	350	185328	1659531	9952962	1957.59	2291.00	2137.66	1993.34
101	355	190638	1707201	10238922	1855.08	2115.27	2159.86	2143.21

102	360	196023	1755546	10528932	1641.55	2704.12	2198.24	2124.90
103	365	201483	1804566	10822992	2629.26	2592.34	2784.04	2675.85
104	370	207018	1854261	11121102	2687.76	3300.82	2983.58	3463.37
105	375	212628	1904631	11423262	2800.01	2985.10	to	2901.33
106	380	218313	1955676	11729472	2662.22	2333.91	3135.22	3153.87
107	385	224073	2007396	12039732	2435.46	2450.30	2450.60	2403.77
108	390	229908	2059791	12354042	2224.47	2473.94	3041.52	2585.61
109	395	235818	2112861	12672402	2333.35	2830.45	2749.48	3131.13
110	400	241803	2166606	12994812	2545.99	to	to	3141.77
111	405	247863	2221026	13321272	2568.37	2890.71	3066.15	3227.09
112	410	253998	2276121	13651782	2701.49	to	3011.45	3362.81
113	415	260208	2331891	13986342		to	to	to

Table 122: *maj*3-pyramid-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	18	93	510	0.00	0.00	0.00	0.00
2	4	45	288	1656	0.00	0.00	0.00	0.00
3	6	84	591	3450	0.00	0.00	0.00	0.00
4	8	135	1002	5892	0.00	0.00	0.00	0.00
5	10	198	1521	8982	0.00	0.00	0.00	0.00
6	12	273	2148	12720	0.00	0.00	0.00	0.00
7	14	360	2883	17106	0.00	0.01	0.01	0.01
8	16	459	3726	22140	0.01	0.02	0.01	0.01
9	18	570	4677	27822	0.01	0.02	0.01	0.02
10	20	693	5736	34152	0.01	0.02	0.02	0.02
11	22	828	6903	41130	0.02	0.02	0.02	0.02
12	24	975	8178	48756	0.02	0.03	0.03	0.03
13	26	1134	9561	57030	0.03	0.02	0.03	0.03
14	28	1305	11052	65952	0.03	0.04	0.04	0.04
15	30	1488	12651	75522	0.04	0.05	0.05	0.05
16	32	1683	14358	85740	0.04	0.05	0.06	0.06
17	34	1890	16173	96606	0.05	0.06	0.06	0.06
18	36	2109	18096	108120	0.06	0.07	0.07	0.07
19	38	2340	20127	120282	0.06	0.08	0.08	0.08
20	40	2583	22266	133092	0.06	0.09	0.09	0.09
21	42	2838	24513	146550	0.08	0.10	0.10	0.09
22	44	3105	26868	160656	0.08	0.11	0.11	0.11
23	46	3384	29331	175410	0.09	0.12	0.11	0.13
24	48	3675	31902	190812	0.10	0.13	0.14	0.14
25	50	3978	34581	206862	0.11	0.14	0.15	0.15
26	52	4293	37368	223560	0.12	0.16	0.16	0.15
27	54	4620	40263	240906	0.13	0.18	0.17	0.17
28	56	4959	43266	258900	0.14	0.19	0.18	0.17
29	58	5310	46377	277542	0.14	0.20	0.20	0.21
30	60	5673	49596	296832	0.15	0.22	0.22	0.22
31	62	6048	52923	316770	0.15	0.24	0.22	0.23
32	64	6435	56358	337356	0.18	0.26	0.26	0.25
33	66	6834	59901	358590	0.20	0.27	0.27	0.27
34	68	7245	63552	380472	0.21	0.28	0.27	0.28
35	70	7668	67311	403002	0.22	0.29	0.30	0.29
36	72	8103	71178	426180	0.24	0.33	0.32	0.33
37	74	8550	75153	450006	0.25	0.34	0.34	0.35
38	76	9009	79236	474480	0.27	0.35	0.36	0.37
39	78	9480	83427	499602	0.27	0.40	0.38	0.39
40	80	9963	87726	525372	0.29	0.40	0.40	0.39
41	82	10458	92133	551790	0.31	0.44	0.42	0.43
42	84	10965	96648	578856	0.41	0.44	0.44	0.45
43	86	11484	101271	606570	0.33	0.49	0.48	0.47
44	88	12015	106002	634932	0.34	0.52	0.51	0.52
45	90	12558	110841	663942	0.38	0.54	0.55	0.54

46	92	13113	115788	693600	0.39	0.58	0.57	0.60
47	94	13680	120843	723906	0.40	0.58	0.61	0.64
48	96	14259	126006	754860	0.41	0.60	0.64	0.66
49	98	14850	131277	786462	0.43	0.68	0.63	0.66
50	100	15453	136656	818712	0.45	0.71	0.74	0.73
51	105	17013	150576	902172	0.52	0.80	0.79	0.80
52	110	18648	165171	989682	0.55	0.93	0.96	0.94
53	115	20358	180441	1081242	0.62	1.04	1.01	0.97
54	120	22143	196386	1176852	0.66	1.16	1.12	1.13
55	125	24003	213006	1276512	0.73	1.25	1.23	1.26
56	130	25938	230301	1380222	0.77	1.33	1.32	1.36
57	135	27948	248271	1487982	0.85	1.49	1.53	1.42
58	140	30033	266916	1599792	0.88	1.59	1.78	1.61
59	145	32193	286236	1715652	0.97	1.71	1.74	1.66
60	150	34428	306231	1835562	1.05	1.90	1.81	1.97
61	155	36738	326901	1959522	1.07	1.93	2.06	1.91
62	160	39123	348246	2087532	1.18	2.10	2.11	2.10
63	165	41583	370266	2219592	1.25	2.25	2.41	2.26
64	170	44118	392961	2355702	1.34	2.54	2.59	2.56
65	175	46728	416331	2495862	1.40	2.76	2.72	2.69
66	180	49413	440376	2640072	1.49	2.82	2.94	2.93
67	185	52173	465096	2788332	1.60	2.95	2.96	2.99
68	190	55008	490491	2940642	1.65	3.11	3.11	3.31
69	195	57918	516561	3097002	1.76	3.49	3.46	3.39
70	200	60903	543306	3257412	1.84	3.54	3.58	3.56
71	205	63963	570726	3421872	2.00	4.03	3.78	3.82
72	210	67098	598821	3590382	2.27	4.09	4.01	4.18
73	215	70308	627591	3762942	2.13	4.33	4.19	4.30
74	220	73593	657036	3939552	2.24	4.50	4.45	4.38
75	225	76953	687156	4120212	2.33	4.78	4.74	4.74
76	230	80388	717951	4304922	2.39	5.11	4.93	5.21
77	235	83898	749421	4493682	2.59	6.26	5.15	5.14
78	240	87483	781566	4686492	2.61	5.37	5.45	5.43
79	245	91143	814386	4883352	2.80	5.69	5.65	5.71
80	250	94878	847881	5084262	2.91	6.56	5.90	6.00
81	255	98688	882051	5289222	2.99	6.37	6.25	6.27
82	260	102573	916896	5498232	3.08	6.73	6.52	6.56
83	265	106533	952416	5711292	3.22	6.76	7.05	6.80
84	270	110568	988611	5928402	3.36	7.13	7.16	7.14
85	275	114678	1025481	6149562	3.49	7.44	7.42	7.44
86	280	118863	1063026	6374772	4.65	7.83	7.77	7.73
87	285	123123	1101246	6604032	4.15	8.64	8.77	8.42
88	290	127458	1140141	6837342	3.94	8.46	8.84	8.74
89	295	131868	1179711	7074702	4.18	9.29	9.99	8.75
90	300	136353	1219956	7316112	4.54	9.78	9.62	9.91
91	305	140913	1260876	7561572	5.07	14.52	13.79	13.61
92	310	145548	1302471	7811082	4.75	11.89	12.12	11.30
93	315	150258	1344741	8064642	5.05	12.98	12.33	11.71
94	320	155043	1387686	8322252	5.21	12.38	12.31	12.17
95	325	159903	1431306	8583912	5.25	13.08	13.84	12.96
96	330	164838	1475601	8849622	5.46	13.77	13.04	13.10
97	335	169848	1520571	9119382	5.56	13.57	16.44	16.17
98	340	174933	1566216	9393192	5.79	13.66	17.29	14.98
99	345	180093	1612536	9671052	6.12	14.82	16.20	15.12
100	350	185328	1659531	9952962	6.12	14.95	15.16	14.96
101	355	190638	1707201	10238922	6.28	17.37	16.87	15.60
102	360	196023	1755546	10528932	5.99	15.91	14.00	14.67
103	365	201483	1804566	10822992	8.96	20.79	20.47	20.87
104	370	207018	1854261	11121102	9.22	25.42	22.48	23.35
105	375	212628	1904631	11423262	7.80	16.81	23.64	20.22
106	380	218313	1955676	11729472	8.30	16.95	18.36	20.82
107	385	224073	2007396	12039732	7.00	16.30	16.76	16.86

108	390	229908	2059791	12354042	7.10	16.76	16.96	17.06
109	395	235818	2112861	12672402	7.28	18.14	17.61	17.69
110	400	241803	2166606	12994812	8.09	21.28	18.49	18.20
111	405	247863	2221026	13321272	7.81	18.16	18.17	18.34
112	410	253998	2276121	13651782	8.62	21.43	19.01	18.75
113	415	260208	2331891	13986342	8.48	20.86	21.10	21.25
114	420	266493	2388336	14324952	8.80	23.72	23.91	21.38
115	425	272853	2445456	14667612	8.95	23.02	22.58	23.03
116	430	279288	2503251	15014322	9.22	25.61	26.84	23.90
117	435	285798	2561721	15365082	9.33	26.22	27.40	25.45
118	440	292383	2620866	15719892	9.68	25.27	24.62	25.38
119	445	299043	2680686	16078752	9.37	26.91	24.79	27.25
120	450	305778	2741181	16441662	9.79	27.15	23.63	26.78
121	455	312588	2802351	16808622	9.81	26.33	25.33	26.65
122	460	319473	2864196	17179632	9.99	25.75	26.91	27.06
123	465	326433	2926716	17554692	10.23	27.10	26.83	27.46
124	470	333468	2989911	17933802	10.39	29.17	27.84	29.78
125	475	340578	3053781	18316962	10.69	30.68	28.28	29.19
126	480	347763	3118326	18704172	10.89	29.54	28.54	29.66
127	485	355023	3183546	19095432	11.02	30.18	28.93	30.62
128	490	362358	3249441	19490742	11.25	31.26	31.56	30.14
129	495	369768	3316011	19890102	11.66	31.71	32.18	32.40
130	500	377253	3383256	20293512	11.53	32.47	32.62	32.48
131	525	415803	3729606	22371312	13.13	36.80	37.02	35.69
132	550	456228	4092831	24550362	14.28	39.39	42.09	39.37
133	575	498528	4472931	26830662	15.87	42.19	45.55	41.02
134	600	542703	4869906	29212212	17.05	44.88	44.94	44.93
135	625	588753	5283756	31695012	18.50	49.32	48.93	48.90
136	650	636678	5714481	34279062	20.27	53.55	53.51	53.39
137	675	686478	6162081	36964362	21.62	57.79	58.28	58.34
138	700	738153	6626556	39750912	23.51	62.78	62.86	62.93
139	725	791703	7107906	42638712	25.09	68.06	68.07	68.20
140	750	847128	7606131	45627762	26.82	72.98	73.27	73.24
141	775	904428	8121231	48718062	28.69	78.77	79.60	78.77
142	800	963603	8653206	51909612	30.63	84.30	84.21	84.32
143	825	1024653	9202056	55202412	32.52	90.11	89.98	90.45
144	850	1087578	9767781	58596462	34.22	96.16	96.43	96.07
145	875	1152378	10350381	62091762	36.86	102.59	102.66	102.50
146	900	1219053	10949856	65688312	38.92	109.10	108.88	109.10
147	925	1287603	11566206	69386112	40.98	115.89	115.96	115.70
148	950	1358028	12199431	73185162	43.34	122.90	123.09	122.99
149	975	1430328	12849531	77085462	45.53	130.38	129.91	129.98
150	1000	1504503	13516506	81087012	48.35	137.62	137.64	137.45

Table 123: $maj3$-pyramid-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	18	93	510	0.00	0.00	0.00	0.00
2	4	45	288	1656	0.00	0.00	0.00	0.00
3	6	84	591	3450	0.01	0.01	0.01	0.01
4	8	135	1002	5892	0.14	0.08	0.07	0.46
5	10	198	1521	8982	4.89	7.62	8.67	2.15
6	12	273	2148	12720	80.67	4.11	7.53	48.31
7	14	360	2883	17106	23.64	90.55	90.42	189.60
8	16	459	3726	22140	to	348.29	296.70	to
9	18	570	4677	27822		to	to	to

Table 124: $maj3$-pyramid-picosat

3.8 pyrofpyr

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	27	150	840	0.00	0.00	0.00	0.00
2	2	108	759	4434	0.03	0.03	0.03	0.03
3	3	300	2319	13710	0.11	0.12	0.12	0.12
4	4	675	5478	32556	0.31	0.30	0.31	0.31
5	5	1323	11046	65832	0.63	0.64	0.64	0.64
6	6	2352	19995	119370	1.09	1.13	1.13	1.12
7	7	3888	33459	199974	1.81	1.84	1.83	1.86
8	8	6075	52734	315420	2.73	2.84	2.85	2.85
9	9	9075	79278	474456	3.82	4.00	3.96	4.01
10	10	13068	114711	686802	5.24	5.51	5.71	5.58
11	11	18252	160815	963150	7.14	7.68	7.46	7.49
12	12	24843	219534	1315164	9.31	10.06	9.98	10.05
13	13	33075	292974	1755480	11.90	13.16	13.06	13.14
14	14	43200	383403	2297706	15.12	16.81	16.78	16.77
15	15	55488	493251	2956422	18.96	21.22	21.24	21.38
16	16	70227	625110	3747180	23.40	26.55	26.48	26.56
17	17	87723	781734	4686504	28.16	32.67	32.66	32.78
18	18	108300	966039	5791890	33.88	39.69	39.69	40.20
19	19	132300	1181103	7081806	40.10	47.66	47.63	47.55
20	20	160083	1430166	8575692	47.35	56.72	56.76	56.74
21	21	192027	1716630	10293960	55.14	66.91	67.48	66.87
22	22	228528	2044059	12257994	to	78.71	78.64	78.36
23	23	270000	2416179	14490150		mo	mo	to

Table 125: *maj*3-pyrofpyr-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	27	150	840	0.00	0.00	0.00	0.00
2	2	108	759	4434	0.02	0.02	0.01	0.02
3	3	300	2319	13710	0.18	0.11	0.11	0.11
4	4	675	5478	32556	1.02	1.69	1.70	1.00
5	5	1323	11046	65832	7.30	6.36	6.38	9.12
6	6	2352	19995	119370	23.29	36.44	36.43	25.73
7	7	3888	33459	199974	67.87	83.20	84.55	73.52
8	8	6075	52734	315420	113.44	139.94	140.28	170.63
9	9	9075	79278	474456	288.82	330.06	330.03	216.01
10	10	13068	114711	686802	500.20	521.86	520.69	523.69
11	11	18252	160815	963150	711.76	939.68	948.32	998.89
12	12	24843	219534	1315164	1180.35	1529.04	1530.28	1260.73
13	13	33075	292974	1755480	1751.54	1821.68	1813.87	1899.01
14	14	43200	383403	2297706	2512.17	2741.90	2731.55	2991.09
15	15	55488	493251	2956422	to	3165.85	3182.31	to
16	16	70227	625110	3747180	to	to	to	

Table 126: *maj*3-pyrofpyr-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	27	150	840	0.00	0.00	0.00	0.00
2	2	108	759	4434	0.00	0.00	0.00	0.00
3	3	300	2319	13710	0.00	0.00	0.00	0.00
4	4	675	5478	32556	0.01	0.01	0.02	0.01
5	5	1323	11046	65832	0.03	0.04	0.04	0.04
6	6	2352	19995	119370	0.07	0.09	0.09	0.09
7	7	3888	33459	199974	0.10	0.15	0.15	0.15
8	8	6075	52734	315420	0.17	0.25	0.24	0.23
9	9	9075	79278	474456	0.28	0.36	0.39	0.38
10	10	13068	114711	686802	0.41	0.58	0.56	0.58
11	11	18252	160815	963150	0.60	0.82	0.84	0.95

12	12	24843	219534	1315164	0.81	1.23	1.21	1.24
13	13	33075	292974	1755480	1.23	1.87	1.94	1.95
14	14	43200	383403	2297706	1.60	2.68	2.79	2.67
15	15	55488	493251	2956422	2.04	3.58	3.60	3.56
16	16	70227	625110	3747180	2.57	4.73	4.78	4.74
17	17	87723	781734	4686504	3.20	6.17	6.17	6.20
18	18	108300	966039	5791890	4.02	7.81	7.84	8.04
19	19	132300	1181103	7081806	4.89	9.88	9.88	9.96
20	20	160083	1430166	8575692	5.95	12.42	12.41	12.35
21	21	192027	1716630	10293960	7.33	15.26	15.64	15.35
22	22	228528	2044059	12257994	8.75	18.78	18.66	18.59
23	23	270000	2416179	14490150	10.38	22.45	22.67	22.60
24	24	316875	2836878	17013756	12.09	27.03	26.89	26.91
25	25	369603	3310206	19853112	13.94	32.25	32.19	32.24
26	26	428652	3840375	23033490	16.32	38.05	38.23	37.99
27	27	494508	4431759	26581134	18.99	44.43	44.53	44.52
28	28	567675	5088894	30523260	21.70	51.80	51.76	51.86
29	29	648675	5816478	34888056	24.87	60.02	59.87	60.09
30	30	738048	6619371	39704682	28.22	69.16	69.25	69.33
31	31	836352	7502595	45003270	32.06	79.42	79.19	79.17
32	32	944163	8471334	50814924	36.61	90.52	90.56	90.22
33	33	1062075	9530934	57171720	41.35	102.88	103.06	102.87
34	34	1190700	10686903	64106706	45.99	116.82	116.35	116.80
35	35	1330668	11944911	71653902	51.49	131.49	131.89	131.83
36	36	1482627	13310790	79848300	58.09	148.64	148.87	148.86
37	37	1647243	14790534	88725864	64.51	167.07	167.57	167.25
38	38	1825200	16390299	98323530	70.99	187.10	187.03	187.01
39	39	2017200	18116403	108679206	78.52	209.52	208.46	208.51
40	40	2223963	19975326	119831772	86.55	232.02	232.09	232.64
41	41	2446227	21973710	131821080	95.44	258.40	257.92	258.12
42	42	2684748	24118359	144687954	105.54	286.56	285.86	289.65
43	43	2940300	26416239	158474190	115.65	317.10	315.96	316.14
44	44	3213675	28874478	173222556	126.53	348.39	348.84	349.03
45	45	3505683	31500366	188976792	137.45	387.20	385.44	386.23
46	46	3817152	34301355	205781610	149.83	422.76	423.91	423.36
47	47	4148928	37285059	223682694	162.42	464.04	464.20	465.04
48	48	4501875	40459254	242726700	176.69	513.09	510.34	508.39
49	49	4876875	43831878	262961256	191.91	556.94	578.38	557.69
50	50	5274828	47411031	284434962	207.74	673.92	649.25	606.71

Table 127: *maj*3-pyrofpyr-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	27	150	840	0.00	0.00	0.00	0.00
2	2	108	759	4434	0.01	0.01	0.01	0.01
3	3	300	2319	13710	0.70	0.16	0.38	0.16
4	4	675	5478	32556	2.21	5.24	2.85	10.33
5	5	1323	11046	65832	21.15	27.21	27.68	18.57
6	6	2352	19995	119370	to	26.33	53.31	32.64
7	7	3888	33459	199974	to	201.19	202.76	159.39
8	8	6075	52734	315420	to	467.91	469.05	559.39
9	9	9075	79278	474456	to	555.29	556.83	845.89
10	10	13068	114711	686802	to	3476.35	3318.51	1503.08
11	11	18252	160815	963150	to	to		to

Table 128: *maj*3-pyrofpyr-picosat

3.9 pyrseqsqrt

♯	par	vars	clauses	literals	C	R1	R2	R3

1	2	129	852	4944	0.07	0.06	0.06	0.07
2	3	327	2346	13764	0.11	0.18	0.10	0.19
3	4	663	4986	29412	0.22	0.39	0.39	0.41
4	5	1368	10611	62802	0.45	0.79	0.46	0.47
5	6	2433	19284	114384	0.78	0.84	0.84	0.81
6	7	3930	31653	188046	1.18	1.32	1.32	1.24
7	8	6387	52086	309804	1.89	1.99	2.01	2.06
8	9	9075	74742	444972	2.67	2.80	2.79	4.88
9	10	13113	108876	648672	3.61	3.86	3.82	3.93
10	11	18978	158637	945726	4.90	5.53	5.51	5.32
11	12	25275	212478	1267356	5.96	7.03	7.04	6.96
12	13	33933	286656	1710552	7.95	9.23	9.20	9.25
13	14	44271	375570	2241972	9.75	11.83	11.84	11.80
14	15	56433	480516	2869392	12.06	14.81	14.71	15.00
15	16	70563	602790	3600588	14.87	18.45	18.50	18.25
16	17	88692	759855	4539930	18.11	22.91	22.94	22.94
17	18	109515	940686	5621628	21.21	28.00	27.90	27.61
18	19	133212	1146903	6855402	25.56	33.13	33.03	33.09
19	20	159963	1380126	8250972	29.20	38.25	38.39	38.70
20	21	192783	1666482	9964596	34.33	46.34	46.17	46.35
21	22	229551	1987794	11887668	39.95	54.20	54.26	54.07
22	23	270483	2346006	14031852	45.83	62.86	62.93	63.25
23	24	319467	2774958	16599612	53.37	73.51	74.10	74.05
24	25	369678	3215481	19237062	61.85	85.04	85.05	84.49
25	26	429003	3736206	22354812	69.43	98.11	98.10	mo

Table 129: *maj*3-pyrseqsqrt-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	129	852	4944	0.01	0.01	0.01	0.01
2	3	327	2346	13764	0.05	0.05	0.02	0.05
3	4	663	4986	29412	0.14	0.15	0.15	0.11
4	5	1368	10611	62802	0.42	0.32	0.50	0.30
5	6	2433	19284	114384	0.58	0.61	0.62	0.68
6	7	3930	31653	188046	1.25	1.43	1.43	1.07
7	8	6387	52086	309804	2.31	2.42	2.42	2.58
8	9	9075	74742	444972	4.69	4.78	4.74	5.01
9	10	13113	108876	648672	6.22	7.44	7.40	7.32
10	11	18978	158637	945726	14.34	15.02	15.02	14.38
11	12	25275	212478	1267356	20.87	21.64	21.65	21.37
12	13	33933	286656	1710552	38.63	40.52	40.73	44.47
13	14	44271	375570	2241972	57.62	66.22	66.24	66.40
14	15	56433	480516	2869392	105.59	101.84	101.26	109.22
15	16	70563	602790	3600588	165.63	195.32	201.51	209.85
16	17	88692	759855	4539930	267.55	302.36	308.21	299.89
17	18	109515	940686	5621628	416.42	490.79	498.16	469.28
18	19	133212	1146903	6855402	732.20	826.42	826.76	830.43
19	20	159963	1380126	8250972	1119.38	1253.27	1257.58	1267.61
20	21	192783	1666482	9964596	1739.31	1964.35	2295.51	1936.08
21	22	229551	1987794	11887668	2515.33	2897.82	3114.97	3032.40
22	23	270483	2346006	14031852	to	to		to

Table 130: *maj*3-pyrseqsqrt-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	129	852	4944	0.00	0.00	0.00	0.00
2	3	327	2346	13764	0.01	0.01	0.00	0.01
3	4	663	4986	29412	0.02	0.03	0.03	0.02
4	5	1368	10611	62802	0.05	0.04	0.06	0.04

5	6	2433	19284	114384	0.06	0.08	0.08	0.08
6	7	3930	31653	188046	0.10	0.13	0.12	0.12
7	8	6387	52086	309804	0.16	0.22	0.21	0.22
8	9	9075	74742	444972	0.24	0.33	0.32	0.31
9	10	13113	108876	648672	0.36	0.52	0.52	0.50
10	11	18978	158637	945726	0.52	0.77	0.78	0.80
11	12	25275	212478	1267356	0.69	1.12	1.11	1.11
12	13	33933	286656	1710552	0.95	1.58	1.59	1.63
13	14	44271	375570	2241972	1.27	2.24	2.24	2.22
14	15	56433	480516	2869392	1.62	3.06	3.06	3.00
15	16	70563	602790	3600588	2.02	3.94	4.14	3.86
16	17	88692	759855	4539930	2.58	5.23	5.14	5.13
17	18	109515	940686	5621628	3.15	6.62	6.62	6.66
18	19	133212	1146903	6855402	3.84	8.45	8.40	8.47
19	20	159963	1380126	8250972	4.66	10.43	10.46	10.37
20	21	192783	1666482	9964596	5.69	13.06	12.97	13.19
21	22	229551	1987794	11887668	6.82	15.81	15.94	16.34
22	23	270483	2346006	14031852	7.97	19.41	19.27	19.36
23	24	319467	2774958	16599612	9.59	23.49	23.45	23.45
24	25	369678	3215481	19237062	11.05	27.80	27.79	27.71
25	26	429003	3736206	22354812	12.73	32.92	32.88	33.08

Table 131: *maj*3-pyrseqsqrt-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	129	852	4944	0.02	0.02	0.02	0.02
2	3	327	2346	13764	0.87	0.37	0.22	0.54
3	4	663	4986	29412	8.47	1.91	2.11	1.48
4	5	1368	10611	62802	150.56	3.29	3.59	8.14
5	6	2433	19284	114384	1653.68	4.15	4.09	2.90
6	7	3930	31653	188046	to	4.08	8.56	5.19
7	8	6387	52086	309804	to	9.57	15.52	21.05
8	9	9075	74742	444972	to	29.10	29.18	18.35
9	10	13113	108876	648672	to	46.73	46.69	37.68
10	11	18978	158637	945726	to	123.63	81.01	86.08
11	12	25275	212478	1267356	to	141.50	178.24	138.63
12	13	33933	286656	1710552	to	355.20	354.16	259.51
13	14	44271	375570	2241972	to	577.32	516.52	475.00
14	15	56433	480516	2869392	to	929.78	850.49	904.11
15	16	70563	602790	3600588	to	1603.59	1634.45	1218.10
16	17	88692	759855	4539930	to	2679.78	2493.10	2441.75
17	18	109515	940686	5621628	to	3532.72	3150.87	to
18	19	133212	1146903	6855402	to		to	to

Table 132: *maj*3-pyrseqsqrt-picosat

3.10 width10chain

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	117	816	4764	0.04	0.04	0.04	0.03
2	2000	60027	540006	3239904	11.31	to	to	to

Table 133: *maj*3-width10chain-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	117	816	4764	0.00	0.01	0.01	0.01
2	2000	60027	540006	3239904	142.36	165.56	168.74	167.99
3	4000	120027	1080006	6479904	498.91	518.01	537.58	562.00
4	6000	180027	1620006	9719904	1245.10	1394.33	1393.68	1358.71

5	8000	240027	2160006	12959904	1843.67	2070.12	2077.52	2095.75
6	10000	300027	2700006	16199904	3386.33	to	to	to

Table 134: *maj*3-width10chain-minisatcore

♯	**par**	**vars**	**clauses**	**literals**	**C**	**R1**	**R2**	**R3**
1	3	117	816	4764	0.00	0.00	0.00	0.00
2	2000	60027	540006	3239904	1.99	3.44	3.51	3.50
3	4000	120027	1080006	6479904	4.05	7.85	8.21	7.84
4	6000	180027	1620006	9719904	6.02	12.56	12.64	12.55
5	8000	240027	2160006	12959904	8.12	17.30	17.50	17.69
6	10000	300027	2700006	16199904	10.15	22.65	22.52	22.63
7	12000	360027	3240006	19439904	12.27	27.83	27.74	27.79
8	14000	420027	3780006	22679904	14.27	32.87	33.68	33.01
9	16000	480027	4320006	25919904	16.36	38.20	38.34	38.50
10	18000	540027	4860006	29159904	18.31	43.81	43.64	43.86
11	20000	600027	5400006	32399904	20.25	49.17	49.17	49.45
12	22000	660027	5940006	35639904	22.41	54.53	54.65	54.57
13	24000	720027	6480006	38879904	24.49	59.95	60.01	60.08
14	26000	780027	7020006	42119904	26.73	65.66	65.79	65.48
15	28000	840027	7560006	45359904	28.73	71.21	70.96	70.99
16	30000	900027	8100006	48599904	30.69	76.92	76.74	77.56
17	32000	960027	8640006	51839904	32.78	82.48	82.18	82.45
18	34000	1020027	9180006	55079904	34.75	87.70	87.93	88.06
19	36000	1080027	9720006	58319904	36.88	93.64	93.50	93.75
20	38000	1140027	10260006	61559904	39.05	99.40	99.42	99.45
21	40000	1200027	10800006	64799904	40.80	105.01	105.16	105.17
22	42000	1260027	11340006	68039904	43.09	111.21	110.73	111.01
23	44000	1320027	11880006	71279904	45.03	116.50	116.55	116.54
24	46000	1380027	12420006	74519904	47.25	122.35	122.66	122.48
25	48000	1440027	12960006	77759904	49.16	128.43	128.30	128.42
26	50000	1500027	13500006	80999904	51.55	134.39	134.38	134.21
27	52000	1560027	14040006	84239904	53.13	140.37	140.27	140.21
28	54000	1620027	14580006	87479904	55.26	146.33	146.43	145.81
29	56000	1680027	15120006	90719904	57.29	152.14	152.22	152.21
30	58000	1740027	15660006	93959904	59.41	158.50	158.46	158.16
31	60000	1800027	16200006	97199904	61.51	164.15	164.21	163.68
32	62000	1860027	16740006	100439904	63.44	170.54	170.38	170.17
33	64000	1920027	17280006	103679904	66.02	176.52	176.63	176.24
34	66000	1980027	17820006	106919904	67.81	182.85	182.42	182.62
35	68000	2040027	18360006	110159904	69.75	188.89	189.16	188.33
36	70000	2100027	18900006	113399904	71.59	195.06	194.57	194.26
37	72000	2160027	19440006	116639904	73.82	201.41	200.28	200.64
38	74000	2220027	19980006	119879904	76.07	207.10	209.25	207.72
39	76000	2280027	20520006	123119904	78.06	213.47	213.73	213.19
40	78000	2340027	21060006	126359904	80.04	219.02	219.22	219.40
41	80000	2400027	21600006	129599904	82.24	225.55	226.23	228.73
42	82000	2460027	22140006	132839904	83.92	231.57	232.48	231.81
43	84000	2520027	22680006	136079904	85.79	238.69	237.96	238.06
44	86000	2580027	23220006	139319904	88.10	244.33	245.10	244.21
45	88000	2640027	23760006	142559904	90.68	250.24	250.61	251.08
46	90000	2700027	24300006	145799904	92.57	257.25	257.13	257.01
47	92000	2760027	24840006	149039904	94.24	263.46	263.26	264.52
48	94000	2820027	25380006	152279904	96.62	269.54	269.17	270.31
49	96000	2880027	25920006	155519904	98.16	276.20	276.19	276.29
50	98000	2940027	26460006	158759904	100.60	282.41	282.18	282.49
51	100000	3000027	27000006	161999904	102.79	289.00	289.56	288.33

Table 135: *maj*3-width10chain-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	117	816	4764	0.01	0.01	0.01	0.02
2	2000	60027	540006	3239904	to	1166.94	1249.71	1216.20
3	4000	120027	1080006	6479904	to		to	to

Table 136: maj3-width10chain-picosat

3.11 width2chain

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	21	144	828	0.00	0.00	0.00	0.00
2	10000	60003	539982	3239856	8.96	11.59	11.54	11.55
3	20000	120003	1079982	6479856	17.41	22.89	22.92	22.90
4	30000	180003	1619982	9719856	24.76	33.92	33.93	33.93
5	40000	240003	2159982	12959856	32.09	44.18	44.26	44.18
6	50000	300003	2699982	16199856	39.16	54.53	54.60	54.39
7	60000	360003	3239982	19439856	46.82	65.37	65.31	65.56
8	70000	420003	3779982	22679856	53.96	76.25	76.18	76.18
9	80000	480003	4319982	25919856	61.68	87.50	87.50	87.32
10	90000	540003	4859982	29159856	69.21	98.58	98.53	98.06
11	100000	600003	5399982	32399856	75.78	107.30	107.24	107.05
12	110000	660003	5939982	35639856	83.25	117.97	117.86	118.30
13	120000	720003	6479982	38879856	90.62	129.57	129.41	128.91
14	130000	780003	7019982	42119856	98.19	139.87	139.86	140.47
15	140000	840003	7559982	45359856	105.35	150.89	151.05	150.66
16	150000	900003	8099982	48599856	mo	mo		mo

Table 137: maj3-width2chain-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	21	144	828	0.00	0.00	0.00	0.00
2	10000	60003	539982	3239856	463.50	487.84	488.34	518.91
3	20000	120003	1079982	6479856	1201.74	1511.29	1504.71	1383.70
4	30000	180003	1619982	9719856	2292.98	2828.76	2838.45	2742.75
5	40000	240003	2159982	12959856	to	to		to

Table 138: maj3-width2chain-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	21	144	828	0.00	0.00	0.00	0.00
2	10000	60003	539982	3239856	1.68	3.39	3.41	3.34
3	20000	120003	1079982	6479856	3.38	7.67	7.57	7.68
4	30000	180003	1619982	9719856	5.09	12.19	12.29	12.25
5	40000	240003	2159982	12959856	6.88	17.00	17.08	17.13
6	50000	300003	2699982	16199856	8.53	22.07	22.02	22.14
7	60000	360003	3239982	19439856	10.24	27.27	27.31	27.18
8	70000	420003	3779982	22679856	12.16	32.55	32.40	32.49
9	80000	480003	4319982	25919856	13.82	37.63	37.96	37.56
10	90000	540003	4859982	29159856	15.53	42.77	42.90	42.96
11	100000	600003	5399982	32399856	17.28	48.39	48.31	48.62
12	110000	660003	5939982	35639856	18.99	53.62	53.68	53.58
13	120000	720003	6479982	38879856	20.85	59.06	59.06	59.03
14	130000	780003	7019982	42119856	22.47	64.53	64.42	64.79
15	140000	840003	7559982	45359856	24.26	69.78	69.97	69.81
16	150000	900003	8099982	48599856	26.05	75.69	75.26	75.10
17	160000	960003	8639982	51839856	27.74	80.95	80.98	80.96
18	170000	1020003	9179982	55079856	29.34	86.52	86.42	86.36
19	180000	1080003	9719982	58319856	31.15	92.08	92.30	92.72

20	190000	1140003	10259982	61559856	32.80	97.69	97.69	97.69
21	200000	1200003	10799982	64799856	34.78	103.42	103.76	103.45
22	210000	1260003	11339982	68039856	36.21	108.87	108.76	108.95
23	220000	1320003	11879982	71279856	38.01	114.74	114.70	114.53
24	230000	1380003	12419982	74519856	39.90	120.37	120.69	120.72
25	240000	1440003	12959982	77759856	41.46	126.38	126.58	126.27
26	250000	1500003	13499982	80999856	43.30	132.29	131.78	132.11
27	260000	1560003	14039982	84239856	45.06	138.14	137.89	137.78
28	270000	1620003	14579982	87479856	46.58	144.04	143.83	143.88
29	280000	1680003	15119982	90719856	48.62	149.79	149.90	149.66
30	290000	1740003	15659982	93959856	50.32	156.41	155.66	155.56
31	300000	1800003	16199982	97199856	52.24	161.41	162.36	161.53
32	310000	1860003	16739982	100439856	53.83	167.62	167.45	167.41
33	320000	1920003	17279982	103679856	55.22	173.97	174.02	174.98
34	330000	1980003	17819982	106919856	57.14	179.67	179.82	179.93
35	340000	2040003	18359982	110159856	59.09	185.99	185.37	185.73
36	350000	2100003	18899982	113399856	60.76	192.80	191.75	191.77
37	360000	2160003	19439982	116639856	62.49	197.23	197.79	197.24
38	370000	2220003	19979982	119879856	64.31	203.67	203.67	203.37
39	380000	2280003	20519982	123119856	66.00	209.61	209.84	209.64
40	390000	2340003	21059982	126359856	67.60	215.96	215.89	215.74
41	400000	2400003	21599982	129599856	69.59	222.10	223.31	222.31
42	410000	2460003	22139982	132839856	71.17	228.50	228.17	228.09
43	420000	2520003	22679982	136079856	73.03	234.64	234.35	234.62
44	430000	2580003	23219982	139319856	74.65	242.08	240.91	241.25
45	440000	2640003	23759982	142559856	76.19	247.29	247.01	246.81
46	450000	2700003	24299982	145799856	77.99	253.66	253.04	254.20
47	460000	2760003	24839982	149039856	79.81	259.48	259.59	259.44
48	470000	2820003	25379982	152279856	81.31	265.60	265.20	265.53
49	480000	2880003	25919982	155519856	83.31	273.11	272.46	272.25
50	490000	2940003	26459982	158759856	84.93	277.87	278.52	278.70
51	500000	3000003	26999982	161999856	86.88	284.44	285.23	284.44

Table 139: *maj*3-width2chain-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	21	144	828	0.00	0.00	0.00	0.00
2	10000	60003	539982	3239856	to	2049.53	2051.01	1246.07
3	20000	120003	1079982	6479856		to	to	to

Table 140: *maj*3-width2chain-picosat

3.12 width5chain

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	57	396	2304	0.01	0.01	0.00	0.01
2	4000	60012	539991	3239874	11.02	to	to	to

Table 141: *maj*3-width5chain-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	57	396	2304	0.00	0.00	0.00	0.00
2	4000	60012	539991	3239874	255.24	285.96	286.11	250.60
3	8000	120012	1079991	6479874	867.67	987.21	995.30	863.11
4	12000	180012	1619991	9719874	1453.42	1517.89	1518.55	1606.58
5	16000	240012	2159991	12959874	2708.52	to	to	3101.31
6	20000	300012	2699991	16199874	3440.23	to	to	to

Table 142: *maj*3-width5chain-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	57	396	2304	0.00	0.00	0.00	0.00
2	4000	60012	539991	3239874	1.75	3.46	3.46	3.47
3	8000	120012	1079991	6479874	3.49	7.83	7.81	7.83
4	12000	180012	1619991	9719874	5.19	12.53	12.51	12.41
5	16000	240012	2159991	12959874	7.03	17.46	17.34	17.31
6	20000	300012	2699991	16199874	8.81	22.52	22.55	22.48
7	24000	360012	3239991	19439874	10.58	27.95	27.68	27.79
8	28000	420012	3779991	22679874	12.39	33.24	33.01	32.97
9	32000	480012	4319991	25919874	14.19	38.30	38.49	38.41
10	36000	540012	4859991	29159874	15.90	43.75	43.57	43.63
11	40000	600012	5399991	32399874	17.69	49.12	49.07	49.03
12	44000	660012	5939991	35639874	19.46	54.53	54.47	54.46
13	48000	720012	6479991	38879874	21.26	60.04	59.96	60.03
14	52000	780012	7019991	42119874	23.02	65.56	65.37	65.39
15	56000	840012	7559991	45359874	24.73	71.04	71.04	70.95
16	60000	900012	8099991	48599874	26.57	76.45	76.47	76.62
17	64000	960012	8639991	51839874	28.59	81.99	82.08	82.29
18	68000	1020012	9179991	55079874	30.04	87.95	87.70	87.82
19	72000	1080012	9719991	58319874	32.07	93.73	93.46	93.57
20	76000	1140012	10259991	61559874	33.69	99.21	99.13	99.29
21	80000	1200012	10799991	64799874	35.58	104.90	105.08	104.67
22	84000	1260012	11339991	68039874	37.25	110.67	110.68	110.48
23	88000	1320012	11879991	71279874	39.05	116.90	116.57	116.53
24	92000	1380012	12419991	74519874	40.89	122.31	122.52	122.32
25	96000	1440012	12959991	77759874	42.55	128.43	128.18	128.10
26	100000	1500012	13499991	80999874	44.37	133.86	134.10	134.57
27	104000	1560012	14039991	84239874	46.31	140.01	139.88	139.95
28	108000	1620012	14579991	87479874	48.17	145.89	145.92	145.92
29	112000	1680012	15119991	90719874	50.01	151.72	151.98	151.74
30	116000	1740012	15659991	93959874	51.65	157.92	157.95	158.01
31	120000	1800012	16199991	97199874	53.34	163.95	164.52	163.89
32	124000	1860012	16739991	100439874	54.89	170.01	169.90	170.07
33	128000	1920012	17279991	103679874	56.92	176.11	175.92	176.40
34	132000	1980012	17819991	106919874	58.78	182.80	182.24	181.94
35	136000	2040012	18359991	110159874	60.54	187.95	188.32	188.08
36	140000	2100012	18899991	113399874	62.31	194.21	194.61	194.67
37	144000	2160012	19439991	116639874	64.08	200.54	200.70	200.82
38	148000	2220012	19979991	119879874	66.32	206.82	207.47	207.18
39	152000	2280012	20519991	123119874	67.85	213.82	212.60	212.85
40	156000	2340012	21059991	126359874	69.58	218.65	218.79	218.94
41	160000	2400012	21599991	129599874	71.13	225.30	225.07	225.62
42	164000	2460012	22139991	132839874	72.95	231.20	232.51	232.15
43	168000	2520012	22679991	136079874	74.84	237.79	237.60	237.94
44	172000	2580012	23219991	139319874	76.47	243.72	244.21	244.42
45	176000	2640012	23759991	142559874	78.54	250.19	250.23	250.25
46	180000	2700012	24299991	145799874	80.01	256.77	257.30	256.46
47	184000	2760012	24839991	149039874	81.95	262.92	262.64	262.79
48	188000	2820012	25379991	152279874	83.74	269.91	268.86	268.75
49	192000	2880012	25919991	155519874	85.48	275.18	276.46	275.53
50	196000	2940012	26459991	158759874	87.10	282.09	282.21	281.62
51	200000	3000012	26999991	161999874	88.96	288.27	288.88	288.54

Table 143: *maj*3-width5chain-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	57	396	2304	0.00	0.00	0.00	0.01
2	4000	60012	539991	3239874	to	1484.71	1200.25	1169.66
3	8000	120012	1079991	6479874	to	to		to

Table 144: *maj*3-width5chain-picosat

4 *nae*3

4.1 bintree

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	9	40	244	0.00	0.00	0.00	0.00
2	2	21	108	704	0.00	0.00	0.00	0.00
3	3	45	244	1624	0.00	0.00	0.00	0.00
4	4	93	516	3464	0.00	0.00	0.00	0.00
5	5	189	1060	7144	0.01	0.01	0.01	0.01
6	6	381	2148	14504	0.03	0.03	0.03	0.03
7	7	765	4324	29224	0.07	0.06	0.05	0.06
8	8	1533	8676	58664	0.14	0.14	0.14	0.14
9	9	3069	17380	117544	0.29	0.28	0.28	0.27
10	10	6141	34788	235304	0.55	0.58	0.59	0.58
11	11	12285	69604	470824	1.18	1.19	1.19	1.22
12	12	24573	139236	941864	2.28	2.45	2.45	2.41
13	13	49149	278500	1883944	4.04	4.84	4.82	4.83
14	14	98301	557028	3768104	7.50	9.84	9.93	9.88
15	15	196605	1114084	7536424	13.68	18.91	18.93	18.75
16	16	393213	2228196	15073064	24.59	35.06	35.08	35.03
17	17	786429	4456420	30146344	46.30	66.48	66.65	66.94
18	18	1572861	8912868	60292904	90.26	134.55	134.58	134.40
19	19	3145725	17825764	120586024	mo	mo	mo	

Table 145: *nae*3-bintree-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	9	40	244	0.00	0.00	0.00	0.00
2	2	21	108	704	0.00	0.00	0.00	0.00
3	3	45	244	1624	0.00	0.00	0.00	0.00
4	4	93	516	3464	0.00	0.00	0.00	0.00
5	5	189	1060	7144	0.00	0.00	0.00	0.00
6	6	381	2148	14504	0.00	0.01	0.01	0.01
7	7	765	4324	29224	0.01	0.02	0.02	0.01
8	8	1533	8676	58664	0.03	0.03	0.04	0.05
9	9	3069	17380	117544	0.09	0.13	0.13	0.15
10	10	6141	34788	235304	0.30	0.46	0.46	0.44
11	11	12285	69604	470824	0.99	2.01	2.01	1.60
12	12	24573	139236	941864	3.37	5.61	5.61	6.27
13	13	49149	278500	1883944	13.89	22.64	22.61	21.82
14	14	98301	557028	3768104	64.78	108.48	107.26	108.91
15	15	196605	1114084	7536424	316.04	565.38	571.17	568.26
16	16	393213	2228196	15073064	1537.29	2791.48	2814.88	2751.32
17	17	786429	4456420	30146344	to		to	to

Table 146: *nae*3-bintree-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	9	40	244	0.00	0.00	0.00	0.00
2	2	21	108	704	0.00	0.00	0.00	0.00
3	3	45	244	1624	0.00	0.00	0.00	0.00
4	4	93	516	3464	0.00	0.00	0.00	0.00
5	5	189	1060	7144	0.00	0.00	0.00	0.00
6	6	381	2148	14504	0.00	0.00	0.00	0.00
7	7	765	4324	29224	0.01	0.01	0.01	0.01
8	8	1533	8676	58664	0.02	0.03	0.03	0.01
9	9	3069	17380	117544	0.05	0.06	0.06	0.06
10	10	6141	34788	235304	0.09	0.14	0.12	0.13

11	11	12285	69604	470824	0.19	0.29	0.28	0.29
12	12	24573	139236	941864	0.42	0.63	0.68	0.63
13	13	49149	278500	1883944	0.87	1.49	1.50	1.50
14	14	98301	557028	3768104	1.76	3.48	3.46	3.50
15	15	196605	1114084	7536424	3.61	8.05	7.94	8.03
16	16	393213	2228196	15073064	7.40	18.05	18.10	18.05
17	17	786429	4456420	30146344	15.11	39.63	39.70	39.49
18	18	1572861	8912868	60292904	30.69	85.09	85.42	84.78
19	19	3145725	17825764	120586024	62.68	182.57	182.59	182.62
20	20	6291453	35651556	241172264	128.01	393.20	394.33	394.16

Table 147: *nae*3-bintree-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	9	40	244	0.00	0.00	0.00	0.00
2	2	21	108	704	0.00	0.00	0.00	0.00
3	3	45	244	1624	0.00	0.00	0.00	0.00
4	4	93	516	3464	0.00	0.00	0.00	0.00
5	5	189	1060	7144	0.00	0.00	0.00	0.00
6	6	381	2148	14504	0.01	0.01	0.01	0.01
7	7	765	4324	29224	0.04	0.07	0.07	0.03
8	8	1533	8676	58664	0.11	0.10	0.10	0.10
9	9	3069	17380	117544	0.25	0.38	0.38	0.39
10	10	6141	34788	235304	0.63	1.47	1.47	1.74
11	11	12285	69604	470824	1.43	6.61	6.64	7.23
12	12	24573	139236	941864	4.22	34.05	34.93	33.91
13	13	49149	278500	1883944	10.79	159.78	159.97	156.03
14	14	98301	557028	3768104	43.12	712.36	713.09	739.12
15	15	196605	1114084	7536424	127.29	3185.64	3419.86	3566.24
16	16	393213	2228196	15073064	418.87	to	to	to

Table 148: *nae*3-bintree-picosat

4.2 gtb

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	63	556	3840	0.02	0.02	0.02	0.01
2	6	132	1232	8556	0.04	0.04	0.04	0.04
3	8	237	2292	15960	0.06	0.07	0.06	0.07
4	10	414	4120	28740	3.22	0.26	0.25	0.57
5	12	465	4604	32112	0.13	0.15	0.15	0.15
6	16	789	7940	55432	0.22	0.25	0.25	0.25
7	20	1281	13068	91296		to	to	to

Table 149: *nae*3-gtb-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	63	556	3840	0.01	0.01	0.01	0.02
2	6	132	1232	8556	0.10	0.04	0.04	0.04
3	8	237	2292	15960	0.25	0.24	0.24	0.41
4	10	414	4120	28740	7.29	8.52	8.48	6.31
5	12	465	4604	32112	2.59	0.69	0.70	1.41
6	16	789	7940	55432	4.05	4.18	4.17	8.11
7	20	1281	13068	91296	18.70	23.44	23.36	19.09
8	24	1473	14996	104760	19.87	18.01	17.84	19.32
9	32	2397	24612	172008	107.67	69.84	69.94	58.39
10	40	3705	38324	267928	298.93	993.25	996.51	211.41
11	48	4317	44612	311880	222.31	140.42	140.63	209.04

12	64	6813	70756	494760	383.76	362.73	362.37	315.67
13	80	10173	106116	742152	1186.68	3079.42	3076.64	1179.91
14	96	11949	124580	871272	1065.76	611.02	612.13	477.95
15	128	18429	192740	1348136	1429.49	569.47	569.82	mo
16	160	26829	281380	1968360	mo	3299.05	3290.77	1695.64
17	192	31677	332132	2323368	mo	mo	mo	

Table 150: *nae*3-gtb-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	63	556	3840	0.00	0.00	0.00	0.00
2	6	132	1232	8556	0.00	0.00	0.00	0.00
3	8	237	2292	15960	0.00	0.01	0.01	0.01
4	10	414	4120	28740	0.01	0.02	0.02	0.02
5	12	465	4604	32112	0.01	0.02	0.01	0.01
6	16	789	7940	55432	0.01	0.03	0.03	0.03
7	20	1281	13068	91296	0.05	0.07	0.07	0.07
8	24	1473	14996	104760	0.05	0.07	0.08	0.08
9	32	2397	24612	172008	0.07	0.12	0.11	0.11
10	40	3705	38324	267928	0.17	0.22	0.24	0.22
11	48	4317	44612	311880	0.17	0.24	0.22	0.24
12	64	6813	70756	494760	0.26	0.37	0.38	0.37
13	80	10173	106116	742152	0.46	0.71	0.70	0.68
14	96	11949	124580	871272	0.47	0.73	0.80	0.79
15	128	18429	192740	1348136	0.70	1.15	1.12	1.15
16	160	26829	281380	1968360	1.23	2.16	2.12	2.14
17	192	31677	332132	2323368	1.30	2.37	2.34	2.33
18	256	47997	504292	3527976	1.99	3.59	3.62	3.69
19	320	68541	721508	5047976	3.29	6.36	6.28	6.28
20	384	81213	854756	5980200	3.43	6.97	6.98	7.00
21	512	121341	1278948	8948520	5.24	10.74	10.66	10.84
22	640	170685	1801444	12604968	8.45	18.08	18.15	18.04
23	768	202749	2139620	14971176	8.95	20.29	20.29	20.19
24	1000	297921	3147828	22026776	12.16	30.47	30.44	30.39
25	1024	299517	3164132	22140712	13.52	30.66	30.62	30.69
26	1250	414504	4383880	30677140	20.13	49.26	49.48	49.42
27	1280	416253	4401636	30801192	21.07	49.54	49.63	49.74
28	1500	491829	5201180	36396240	20.43	55.41	55.49	55.40
29	1536	495357	5237732	36651816	22.47	55.76	55.85	55.99
30	1750	660480	6992624	48934348	25.79	74.50	74.42	74.40
31	2000	720381	7624068	53352456	29.85	82.27	82.13	82.05
32	2048	724989	7671780	53686056	33.61	82.80	83.01	82.74
33	2250	932196	9875928	69113476	45.95	120.29	120.56	120.32
34	2500	992505	10511724	73562048	48.63	128.81	128.77	128.71
35	2560	997629	10564580	73931560	51.67	129.70	129.78	129.66
36	2750	1118940	11852864	82948028	48.49	137.56	137.32	137.19
37	3000	1179249	12488660	87396600	50.02	145.29	145.58	145.66
38	3072	1188861	12589028	88098600	55.43	146.97	147.04	147.56
39	3250	1506264	15969320	111759220	59.71	185.20	185.62	185.84
40	3500	1566165	16600764	116177328	62.20	193.89	194.04	193.89
41	3750	1654944	17540240	122751660	66.20	206.76	207.56	206.57
42	4000	1713837	18160932	127094504	71.88	214.86	214.80	215.00
43	4096	1726461	18292708	128016168	82.56	216.91	217.25	218.24
44	4250	2133012	22624632	158338404	105.35	299.46	300.20	299.21
45	4500	2193321	23260428	162786976	108.61	310.29	310.17	310.28
46	4750	2281692	24195552	169330844	113.90	323.59	322.75	323.64
47	5000	2342001	24831348	173779416	115.77	332.73	333.11	332.56
48	5120	2356221	24979428	174815016	124.64	335.26	334.96	334.57
49	5250	2586072	27427272	191948884	112.01	349.88	350.35	347.63

Table 151: *nae*3-gtb-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	63	556	3840	0.12	0.03	0.10	0.11
2	6	132	1232	8556	2.05	12.12	12.13	0.63
3	8	237	2292	15960	to	to	to	

Table 152: *nae*3-gtb-picosat

4.3 pyr10seq

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	783	7126	49534	0.23	0.22	0.22	0.23
2	250	48753	445006	3095014	12.37	17.38	17.39	17.90
3	500	97503	890006	6190014	24.13	35.38	35.39	35.63
4	750	146253	1335006	9285014	35.42	52.50	52.65	52.05
5	1000	195003	1780006	12380014	46.44	69.37	69.36	68.40
6	1250	243753	2225006	15475014	57.36	85.61	85.58	84.75
7	1500	292503	2670006	18570014	68.33	101.64	101.76	101.90
8	1750	341253	3115006	21665014	78.64	117.85	117.92	117.93
9	2000	390003	3560006	24760014	90.39	134.46	134.62	135.48
10	2250	438753	4005006	27855014	100.81	151.15	150.97	151.61
11	2500	487503	4450006	30950014	112.07	169.33	169.43	169.56
12	2750	536253	4895006	34045014	123.02	200.07	199.89	199.64
13	3000	585003	5340006	37140014	134.19	234.11	234.80	233.01
14	3250	633753	5785006	40235014	143.94	262.95	262.50	264.01
15	3500	682503	6230006	43330014	155.51	296.20	295.75	299.29
16	3750	731253	6675006	46425014	165.83	329.20	328.93	327.48
17	4000	780003	7120006	49520014	176.70	343.67	343.38	359.29
18	4250	828753	7565006	52615014	187.48	385.47	385.27	388.30
19	4500	877503	8010006	55710014	202.74	425.51	424.97	421.41
20	4750	926253	8455006	58805014	214.35	449.69	449.32	461.93
21	5000	975003	8900006	61900014	236.72	492.23		497.92

Table 153: *nae*3-pyr10seq-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	783	7126	49534	0.64	1.13	1.14	0.67
2	250	48753	445006	3095014	2945.42	1349.83	1351.80	1472.21
3	500	97503	890006	6190014	2952.33	2343.32	2353.40	1570.79
4	750	146253	1335006	9285014		to	to	to

Table 154: *nae*3-pyr10seq-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	783	7126	49534	0.02	0.03	0.03	0.03
2	250	48753	445006	3095014	1.52	2.96	2.93	3.01
3	500	97503	890006	6190014	3.11	6.66	6.64	6.68
4	750	146253	1335006	9285014	4.71	10.74	10.75	10.86
5	1000	195003	1780006	12380014	6.31	15.09	15.10	15.04
6	1250	243753	2225006	15475014	7.99	19.43	19.47	19.58
7	1500	292503	2670006	18570014	9.60	24.16	24.22	24.20
8	1750	341253	3115006	21665014	11.24	28.78	28.75	28.77
9	2000	390003	3560006	24760014	12.86	33.51	33.43	33.35
10	2250	438753	4005006	27855014	14.43	38.22	38.33	38.49
11	2500	487503	4450006	30950014	15.97	43.03	42.99	43.06
12	2750	536253	4895006	34045014	17.59	47.97	47.92	48.00
13	3000	585003	5340006	37140014	19.29	53.05	52.89	52.95
14	3250	633753	5785006	40235014	20.86	57.91	57.88	57.78
15	3500	682503	6230006	43330014	22.65	62.67	62.69	62.68

16	3750	731253	6675006	46425014	24.21	67.82	67.79	67.74
17	4000	780003	7120006	49520014	25.91	72.77	72.84	72.86
18	4250	828753	7565006	52615014	27.36	77.91	78.00	77.70
19	4500	877503	8010006	55710014	29.13	82.90	82.95	82.76
20	4750	926253	8455006	58805014	30.72	87.73	87.86	88.08
21	5000	975003	8900006	61900014	32.48	92.79	93.10	93.08

Table 155: *nae*3-pyr10seq-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	783	7126	49534	to	to	to	

Table 156: *nae*3-pyr10seq-picosat

4.4 pyr1seq

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	27	142	934	0.00	0.00	0.00	0.00
2	10000	60003	340006	2300014	5.08	6.25	6.24	5.91
3	20000	120003	680006	4600014	9.01	12.15	12.17	12.00
4	30000	180003	1020006	6900014	12.97	17.63	17.87	18.04
5	40000	240003	1360006	9200014	16.58	22.74	22.80	22.96
6	50000	300003	1700006	11500014	19.77	27.48	27.57	27.73
7	60000	360003	2040006	13800014	23.44	32.86	32.90	32.80
8	70000	420003	2380006	16100014	26.56	37.35	37.16	37.63
9	80000	480003	2720006	18400014	30.06	42.64	42.82	42.45
10	90000	540003	3060006	20700014	34.15	48.00	47.46	47.42
11	100000	600003	3400006	23000014	37.78	52.69	52.94	52.70
12	110000	660003	3740006	25300014	40.61	57.84	58.02	58.21
13	120000	720003	4080006	27600014	45.05	63.11	63.93	63.83
14	130000	780003	4420006	29900014	46.78	66.42	66.27	66.04
15	140000	840003	4760006	32200014	49.91	72.17	71.13	71.31
16	150000	900003	5100006	34500014	53.71	76.82	76.38	76.50
17	160000	960003	5440006	36800014	57.08	81.43	81.43	81.33
18	170000	1020003	5780006	39100014	59.86	86.19	86.69	86.44
19	180000	1080003	6120006	41400014	63.48	91.84	91.94	91.61
20	190000	1140003	6460006	43700014	66.69	96.70	96.67	96.93
21	200000	1200003	6800006	46000014	70.15	101.71	101.80	102.34
22	210000	1260003	7140006	48300014	73.40	106.88	107.15	107.72
23	220000	1320003	7480006	50600014	77.16	112.25	112.40	112.76
24	230000	1380003	7820006	52900014	80.41	117.51	117.74	117.37
25	240000	1440003	8160006	55200014	83.70	123.63	126.69	122.92
26	250000	1500003	8500006	57500014	87.13	127.75	127.87	127.86
27	260000	1560003	8840006	59800014	90.79	132.79	133.05	133.47
28	270000	1620003	9180006	62100014	94.19	137.84	138.14	138.32
29	280000	1680003	9520006	64400014	97.11	142.70	143.42	144.42
30	290000	1740003	9860006	66700014	100.68	150.15	149.85	149.14
31	300000	1800003	10200006	69000014	104.17	154.23	155.39	153.96
32	310000	1860003	10540006	71300014	107.75	160.48	160.41	159.57
33	320000	1920003	10880006	73600014	mo	mo	mo	

Table 157: *nae*3-pyr1seq-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	27	142	934	0.00	0.00	0.00	0.00
2	10000	60003	340006	2300014	14.46	54.96	56.38	78.88
3	20000	120003	680006	4600014	99.90	481.48	486.11	496.97
4	30000	180003	1020006	6900014	280.42	605.42	600.26	648.56

5	40000	240003	1360006	9200014	492.72	1319.15	1339.15	1303.05
6	50000	300003	1700006	11500014	650.39	1919.85	1914.38	2311.80
7	60000	360003	2040006	13800014	1053.27	2973.61	2975.46	2903.92
8	70000	420003	2380006	16100014	1602.97	to	to	to

Table 158: *nae*3-pyr1seq-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	27	142	934	0.00	0.00	0.00	0.00
2	10000	60003	340006	2300014	1.46	2.28	2.31	2.27
3	20000	120003	680006	4600014	2.67	4.91	4.79	4.74
4	30000	180003	1020006	6900014	3.50	7.46	7.72	7.44
5	40000	240003	1360006	9200014	4.96	10.47	10.65	10.57
6	50000	300003	1700006	11500014	6.10	13.63	13.47	13.54
7	60000	360003	2040006	13800014	7.07	16.98	16.81	16.82
8	70000	420003	2380006	16100014	8.61	20.11	19.91	20.03
9	80000	480003	2720006	18400014	9.64	23.15	23.38	23.29
10	90000	540003	3060006	20700014	11.03	26.47	26.36	26.56
11	100000	600003	3400006	23000014	12.17	29.78	29.80	29.67
12	110000	660003	3740006	25300014	13.13	32.83	33.07	33.38
13	120000	720003	4080006	27600014	14.59	36.45	36.43	36.46
14	130000	780003	4420006	29900014	15.61	39.83	39.84	40.03
15	140000	840003	4760006	32200014	16.70	43.16	43.40	43.19
16	150000	900003	5100006	34500014	18.16	46.50	46.77	46.46
17	160000	960003	5440006	36800014	19.05	50.14	49.90	49.98
18	170000	1020003	5780006	39100014	20.29	53.51	53.22	53.51
19	180000	1080003	6120006	41400014	21.69	56.79	57.06	56.95
20	190000	1140003	6460006	43700014	22.89	60.40	60.40	60.55
21	200000	1200003	6800006	46000014	24.21	63.74	64.02	63.95
22	210000	1260003	7140006	48300014	25.20	67.64	67.48	67.53
23	220000	1320003	7480006	50600014	26.80	71.02	71.05	71.08
24	230000	1380003	7820006	52900014	27.53	74.70	74.59	74.56
25	240000	1440003	8160006	55200014	29.02	77.83	78.26	78.19
26	250000	1500003	8500006	57500014	30.23	81.93	81.88	81.68
27	260000	1560003	8840006	59800014	31.36	85.55	85.59	85.54
28	270000	1620003	9180006	62100014	32.85	89.19	89.34	89.06
29	280000	1680003	9520006	64400014	33.87	92.91	92.92	92.83
30	290000	1740003	9860006	66700014	35.24	96.99	96.39	96.34
31	300000	1800003	10200006	69000014	36.46	100.02	99.81	100.13
32	310000	1860003	10540006	71300014	37.58	103.66	103.92	104.00
33	320000	1920003	10880006	73600014	38.94	107.47	107.22	107.44
34	330000	1980003	11220006	75900014	39.91	110.90	111.27	111.42
35	340000	2040003	11560006	78200014	41.10	114.72	114.81	114.35
36	350000	2100003	11900006	80500014	42.23	118.28	118.27	118.00
37	360000	2160003	12240006	82800014	43.56	122.03	121.94	121.72
38	370000	2220003	12580006	85100014	44.91	125.64	125.89	125.70
39	380000	2280003	12920006	87400014	46.15	129.11	129.26	129.28
40	390000	2340003	13260006	89700014	47.36	132.87	133.05	133.08
41	400000	2400003	13600006	92000014	48.72	136.53	137.21	137.03
42	410000	2460003	13940006	94300014	49.85	140.54	140.40	140.29
43	420000	2520003	14280006	96600014	50.79	144.25	144.14	143.78
44	430000	2580003	14620006	98900014	52.02	148.06	148.08	147.98
45	440000	2640003	14960006	101200014	53.58	151.75	151.52	152.21
46	450000	2700003	15300006	103500014	54.63	155.08	155.50	155.18
47	460000	2760003	15640006	105800014	56.24	159.01	159.19	159.12
48	470000	2820003	15980006	108100014	57.01	162.68	163.19	162.68
49	480000	2880003	16320006	110400014	58.32	167.29	166.98	167.12
50	490000	2940003	16660006	112700014	59.52	170.68	170.64	170.72
51	500000	3000003	17000006	115000014	61.20	174.55	174.73	174.74

Table 159: *nae*3-pyr1seq-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	27	142	934	0.00	0.00	0.00	0.00
2	10000	60003	340006	2300014	45.37	291.60	293.14	306.82
3	20000	120003	680006	4600014	89.39	1303.59	1307.23	1298.84
4	30000	180003	1020006	6900014	207.01	3097.98	3493.28	3400.73
5	40000	240003	1360006	9200014	300.03	to	to	to

Table 160: *nae*3-pyr1seq-picosat

4.5 pyr3seq

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	111	798	5462	0.01	0.02	0.02	0.02
2	2500	67503	495006	3405014	11.35	21.91	21.92	21.56
3	5000	135003	990006	6810014	21.80	44.45	44.40	44.67
4	7500	202503	1485006	10215014	31.66	66.41	66.50	66.52
5	10000	270003	1980006	13620014	41.14	90.99	90.86	87.67
6	12500	337503	2475006	17025014	50.77	110.19	110.23	109.47
7	15000	405003	2970006	20430014	60.88	133.05	133.19	133.63
8	17500	472503	3465006	23835014	70.50	154.44	154.33	154.89
9	20000	540003	3960006	27240014	80.54	176.88	176.78	176.24
10	22500	607503	4455006	30645014	90.49	200.33	200.56	199.24
11	25000	675003	4950006	34050014	99.16	236.15	236.15	242.47
12	27500	742503	5445006	37455014	108.92	281.81	282.33	281.63
13	30000	810003	5940006	40860014	119.03	320.04	319.98	320.92
14	32500	877503	6435006	44265014	128.81	359.05	358.20	353.53
15	35000	945003	6930006	47670014	137.66	395.28	394.18	395.10
16	37500	1012503	7425006	51075014	147.59	427.89	427.63	432.91
17	40000	1080003	7920006	54480014	157.31	463.68	463.33	478.74
18	42500	1147503	8415006	57885014	166.56	507.58	506.58	508.44
19	45000	1215003	8910006	61290014	176.38	540.06	538.16	544.87
20	47500	1282503	9405006	64695014	186.45	576.46	577.08	573.05
21	50000	1350003	9900006	68100014	mo	606.94	607.48	598.25
22	52500	1417503	10395006	71505014	mo	678.77	678.82	667.44
23	55000	1485003	10890006	74910014	mo	744.30	738.41	741.84
24	57500	1552503	11385006	78315014	mo	834.70	839.42	838.05
25	60000	1620003	11880006	81720014	mo	903.95	904.53	901.45
26	62500	1687503	12375006	85125014	mo	942.45	942.56	959.78
27	65000	1755003	12870006	88530014		mo	mo	mo

Table 161: *nae*3-pyr3seq-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	111	798	5462	0.00	0.00	0.00	0.00
2	2500	67503	495006	3405014	160.32	68.92	69.00	205.63
3	5000	135003	990006	6810014	549.82	419.34	417.73	507.34
4	7500	202503	1485006	10215014	3384.29	831.91	829.73	987.82
5	10000	270003	1980006	13620014	2632.17	1641.19	1655.48	1722.21
6	12500	337503	2475006	17025014	to	to		to

Table 162: *nae*3-pyr3seq-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	111	798	5462	0.00	0.00	0.00	0.00
2	2500	67503	495006	3405014	1.71	3.21	3.21	3.17
3	5000	135003	990006	6810014	3.42	7.28	7.28	7.28
4	7500	202503	1485006	10215014	5.24	11.73	11.59	11.73
5	10000	270003	1980006	13620014	6.86	16.45	16.44	16.33

6	12500	337503	2475006	17025014	8.72	21.31	21.40	21.24
7	15000	405003	2970006	20430014	10.67	26.29	26.23	26.32
8	17500	472503	3465006	23835014	12.36	31.43	31.37	31.31
9	20000	540003	3960006	27240014	14.22	36.37	36.45	36.43
10	22500	607503	4455006	30645014	15.95	41.62	41.65	41.70
11	25000	675003	4950006	34050014	17.73	46.64	46.68	46.50
12	27500	742503	5445006	37455014	19.69	52.06	52.04	51.91
13	30000	810003	5940006	40860014	21.51	57.18	57.11	57.44
14	32500	877503	6435006	44265014	23.28	62.42	62.43	62.48
15	35000	945003	6930006	47670014	25.13	67.85	67.74	67.86
16	37500	1012503	7425006	51075014	27.00	72.98	73.05	72.99
17	40000	1080003	7920006	54480014	28.82	78.43	78.34	78.82
18	42500	1147503	8415006	57885014	30.70	83.92	83.89	84.12
19	45000	1215003	8910006	61290014	32.65	89.71	89.79	89.37
20	47500	1282503	9405006	64695014	34.46	95.09	94.98	94.91
21	50000	1350003	9900006	68100014	36.35	100.37	100.43	100.65
22	52500	1417503	10395006	71505014	37.98	106.25	106.29	106.43
23	55000	1485003	10890006	74910014	40.05	112.25	111.97	111.82
24	57500	1552503	11385006	78315014	41.74	117.58	117.83	116.90
25	60000	1620003	11880006	81720014	43.77	123.08	123.07	123.80
26	62500	1687503	12375006	85125014	45.64	129.24	128.63	128.37
27	65000	1755003	12870006	88530014	47.55	134.76	134.62	134.62
28	67500	1822503	13365006	91935014	49.46	140.04	139.89	140.23
29	70000	1890003	13860006	95340014	51.00	150.29	145.68	146.03
30	72500	1957503	14355006	98745014	52.87	151.94	151.77	152.23
31	75000	2025003	14850006	102150014	54.89	157.37	156.95	157.39
32	77500	2092503	15345006	105555014	56.89	163.08	162.70	162.80

Table 163: *nae*3-pyr3seq-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	111	798	5462	0.01	0.01	0.01	0.00
2	2500	67503	495006	3405014	428.99	769.71	750.41	1044.92
3	5000	135003	990006	6810014	542.13	2995.73	2946.54	3149.45
4	7500	202503	1485006	10215014	629.42	to	to	to

Table 164: *nae*3-pyr3seq-picosat

4.6 pyr5seq

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	243	1966	13574	0.05	0.06	0.06	0.05
2	1000	60003	490006	3390014	13.09	21.73	21.67	21.00
3	2000	120003	980006	6780014	25.39	42.72	42.92	43.22
4	3000	180003	1470006	10170014	37.07	64.88	64.73	64.04
5	4000	240003	1960006	13560014	48.57	83.96	83.93	83.33
6	5000	300003	2450006	16950014	60.86	105.09	104.93	104.12
7	6000	360003	2940006	20340014	71.25	123.19	123.20	125.75
8	7000	420003	3430006	23730014	83.17	145.07	144.83	146.31
9	8000	480003	3920006	27120014	94.66	164.79	164.87	164.04
10	9000	540003	4410006	30510014	106.57	187.41	187.40	187.79
11	10000	600003	4900006	33900014	118.14	226.32	226.23	227.30
12	11000	660003	5390006	37290014	128.25	258.21	258.11	257.28
13	12000	720003	5880006	40680014	140.14	296.00	296.55	292.08
14	13000	780003	6370006	44070014	151.48	330.29	331.31	329.27
15	14000	840003	6860006	47460014	162.96	360.99	361.14	365.21
16	15000	900003	7350006	50850014	175.04	403.80	403.77	398.91
17	16000	960003	7840006	54240014	185.97	454.99	455.80	457.48

Table 165: *nae*3-pyr5seq-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	243	1966	13574	0.02	0.03	0.03	0.02
2	1000	60003	490006	3390014	272.58	84.69	84.64	170.26
3	2000	120003	980006	6780014	1007.26	453.32	453.61	390.39
4	3000	180003	1470006	10170014	2133.49	904.33	901.67	1289.05
5	4000	240003	1960006	13560014	to	1800.66	1797.31	2355.48
6	5000	300003	2450006	16950014	1941.25	2913.90	2875.39	2511.20
7	6000	360003	2940006	20340014	to	to		to

Table 166: *nae*3-pyr5seq-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	243	1966	13574	0.00	0.00	0.00	0.00
2	1000	60003	490006	3390014	1.69	3.23	3.26	3.28
3	2000	120003	980006	6780014	3.42	7.25	7.35	7.29
4	3000	180003	1470006	10170014	5.14	11.82	11.76	11.76
5	4000	240003	1960006	13560014	6.86	16.56	16.45	16.44
6	5000	300003	2450006	16950014	8.69	21.40	21.36	21.42
7	6000	360003	2940006	20340014	10.48	26.35	26.40	26.46
8	7000	420003	3430006	23730014	12.17	31.50	31.58	31.32
9	8000	480003	3920006	27120014	13.97	36.63	36.61	36.53
10	9000	540003	4410006	30510014	15.64	41.76	41.92	41.70
11	10000	600003	4900006	33900014	17.57	46.88	46.82	46.85
12	11000	660003	5390006	37290014	19.32	52.18	52.21	52.15
13	12000	720003	5880006	40680014	21.04	57.41	57.56	57.54
14	13000	780003	6370006	44070014	23.00	62.76	62.74	62.79
15	14000	840003	6860006	47460014	24.65	68.31	68.11	68.16
16	15000	900003	7350006	50850014	26.41	73.66	73.59	73.51
17	16000	960003	7840006	54240014	28.18	78.93	78.84	78.70

Table 167: *nae*3-pyr5seq-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	243	1966	13574	1.50	0.53	0.54	0.49
2	1000	60003	490006	3390014	to	1016.87	1007.39	2277.05
3	2000	120003	980006	6780014	to	to	to	3567.18

Table 168: *nae*3-pyr5seq-picosat

4.7 pyramid

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	18	106	698	0.00	0.00	0.00	0.00
2	4	45	334	2278	0.01	0.01	0.01	0.00
3	6	84	690	4754	0.02	0.02	0.00	0.02
4	8	135	1174	8126	0.03	0.03	0.03	0.03
5	10	198	1786	12394	0.06	0.04	0.05	0.05
6	12	273	2526	17558	0.06	0.08	0.08	0.08
7	14	360	3394	23618	0.10	0.11	0.11	0.11
8	16	459	4390	30574	0.15	0.14	0.14	0.15
9	18	570	5514	38426	0.18	0.17	0.17	0.17
10	20	693	6766	47174	0.21	0.23	0.23	0.22
11	22	828	8146	56818	0.24	0.27	0.27	0.28
12	24	975	9654	67358	0.32	0.33	0.33	0.33
13	26	1134	11290	78794	0.38	0.38	0.38	0.38
14	28	1305	13054	91126	0.43	0.46	0.46	0.46
15	30	1488	14946	104354	0.50	0.54	0.53	0.54
16	32	1683	16966	118478	0.55	0.61	0.61	0.60

17	34	1890	19114	133498	0.64	0.67	0.68	0.67
18	36	2109	21390	149414	0.67	0.78	0.78	0.77
19	38	2340	23794	166226	0.80	0.84	0.84	0.85
20	40	2583	26326	183934	0.85	0.95	0.95	0.94
21	42	2838	28986	202538	0.93	1.04	1.04	1.05
22	44	3105	31774	222038	1.07	1.12	1.13	1.13
23	46	3384	34690	242434	1.21	1.24	1.25	1.24
24	48	3675	37734	263726	1.36	1.37	1.37	1.34
25	50	3978	40906	285914	1.37	1.47	1.47	1.47
26	52	4293	44206	308998	1.50	1.60	1.61	1.58
27	54	4620	47634	332978	1.57	1.74	1.73	1.68
28	56	4959	51190	357854	1.78	1.84	1.84	1.87
29	58	5310	54874	383626	1.87	1.94	2.00	2.00
30	60	5673	58686	410294	1.97	2.17	2.14	2.05
31	62	6048	62626	437858	2.10	2.27	2.23	2.23
32	64	6435	66694	466318	2.21	2.39	2.38	2.37
33	66	6834	70890	495674	2.21	2.48	2.50	2.49
34	68	7245	75214	525926	2.33	2.62	2.58	2.63
35	70	7668	79666	557074	2.66	2.77	2.74	2.75
36	72	8103	84246	589118	2.58	2.89	2.90	2.90
37	74	8550	88954	622058	2.75	3.06	3.08	3.04
38	76	9009	93790	655894	3.03	3.21	3.20	3.21
39	78	9480	98754	690626	3.01	3.36	3.37	3.36
40	80	9963	103846	726254	3.12	3.51	3.51	3.50
41	82	10458	109066	762778	3.47	3.69	3.68	3.71
42	84	10965	114414	800198	3.56	3.88	3.87	3.81
43	86	11484	119890	838514	3.58	4.06	4.06	4.07
44	88	12015	125494	877726	3.70	4.18	4.18	4.20
45	90	12558	131226	917834	3.85	4.40	4.38	4.36
46	92	13113	137086	958838	4.20	4.55	4.57	4.56
47	94	13680	143074	1000738	4.27	4.76	4.76	4.74
48	96	14259	149190	1043534	4.46	4.99	4.99	4.96
49	98	14850	155434	1087226	4.48	5.12	5.10	5.23
50	100	15453	161806	1131814	4.73	5.40	5.41	5.34
51	105	17013	178296	1247204	5.18	5.89	5.93	5.98
52	110	18648	195586	1368194	5.59	6.54	6.56	6.54
53	115	20358	213676	1494784	6.04	7.05	7.05	7.10
54	120	22143	232566	1626974	6.57	7.74	7.83	7.68
55	125	24003	252256	1764764	6.96	8.47	8.45	8.35
56	130	25938	272746	1908154	7.53	8.97	8.97	8.96
57	135	27948	294036	2057144	8.06	9.67	9.66	9.73
58	140	30033	316126	2211734	8.62	10.32	10.41	10.50
59	145	32193	339016	2371924	9.21	11.15	11.19	11.10
60	150	34428	362706	2537714	10.03	12.05	12.14	12.00
61	155	36738	387196	2709104	10.40	12.79	12.79	12.90
62	160	39123	412486	2886094	11.02	13.66	13.66	13.43
63	165	41583	438576	3068684	11.70	14.43	14.40	14.65
64	170	44118	465466	3256874	12.39	15.23	15.21	15.24
65	175	46728	493156	3450664	13.11	16.12	16.11	16.43
66	180	49413	521646	3650054	13.80	17.11	17.16	17.44
67	185	52173	550936	3855044	14.67	18.06	18.05	18.16
68	190	55008	581026	4065634	15.34	18.91	18.92	19.46
69	195	57918	611916	4281824	16.12	20.00	19.91	19.86
70	200	60903	643606	4503614	16.94	21.12	21.22	21.39
71	205	63963	676096	4731004	17.80	22.18	22.16	22.04
72	210	67098	709386	4963994	18.69	23.26	23.20	23.01
73	215	70308	743476	5202584	19.62	24.63	24.59	24.56
74	220	73593	778366	5446774	20.38	25.12	25.15	25.61
75	225	76953	814056	5696564	21.11	26.63	26.53	26.02
76	230	80388	850546	5951954	22.20	27.05	27.06	27.95
77	235	83898	887836	6212944	23.16	28.75	28.65	28.60
78	240	87483	925926	6479534	23.98	30.40	30.41	29.88

79	245	91143	964816	6751724	24.90	31.59	31.59	31.11
80	250	94878	1004506	7029514	25.95	32.69	32.76	31.99
81	255	98688	1044996	7312904	26.90	33.48	33.54	33.28
82	260	102573	1086286	7601894	28.04	35.30	35.33	34.89
83	265	106533	1128376	7896484	28.92	35.71	35.63	35.96
84	270	110568	1171266	8196674	30.06	37.76	37.59	37.13
85	275	114678	1214956	8502464	31.15	39.03	38.99	38.45
86	280	118863	1259446	8813854	32.16	40.57	40.63	40.62
87	285	123123	1304736	9130844	33.32	41.38	41.43	42.16
88	290	127458	1350826	9453434	34.53	42.94	43.04	43.84
89	295	131868	1397716	9781624	35.64	44.14	44.33	43.72
90	300	136353	1445406	10115414	36.47	44.85	44.84	45.59
91	305	140913	1493896	10454804	37.62	46.50	46.53	46.95
92	310	145548	1543186	10799794	38.82	48.60	48.87	47.89
93	315	150258	1593276	11150384	39.89	49.95	49.77	49.92
94	320	155043	1644166	11506574	41.42	51.08	51.01	51.62
95	325	159903	1695856	11868364	42.72	53.09	53.13	53.78
96	330	164838	1748346	12235754	43.85	56.22	55.36	54.81
97	335	169848	1801636	12608744	45.00	55.84	57.41	56.73
98	340	174933	1855726	12987334	46.47	59.87	58.45	56.59
99	345	180093	1910616	13371524	47.31	58.29	58.28	59.37
100	350	185328	1966306	13761314	48.82	61.45	62.95	61.25
101	355	190638	2022796	14156704	50.27	62.93	61.69	63.06
102	360	196023	2080086	14557694	51.53	62.97	63.02	65.24
103	365	201483	2138176	14964284	52.85	66.13	66.37	65.62
104	370	207018	2197066	15376474	54.17	67.87	67.92	68.74
105	375	212628	2256756	15794264	55.68	69.79	69.60	69.39
106	380	218313	2317246	16217654	57.09	70.58	70.84	70.08
107	385	224073	2378536	16646644	58.37	72.39	72.63	73.15
108	390	229908	2440626	17081234	60.54	74.80	74.62	75.59
109	395	235818	2503516	17521424	61.58	78.21	78.35	76.63
110	400	241803	2567206	17967214	63.07	79.33	79.23	80.54
111	405	247863	2631696	18418604	64.61	80.13	79.96	82.16
112	410	253998	2696986	18875594	66.06	82.33	82.36	82.61
113	415	260208	2763076	19338184	67.70	85.53	85.59	85.60
114	420	266493	2829966	19806374	69.41	86.82	86.86	87.46
115	425	272853	2897656	20280164	70.25	86.65	86.48	87.17
116	430	279288	2966146	20759554	72.09	91.45	91.24	91.56
117	435	285798	3035436	21244544	73.74	92.46	92.49	91.65
118	440	292383	3105526	21735134	75.31	93.76	93.93	96.25
119	445	299043	3176416	22231324	77.02	96.33	96.37	95.36
120	450	305778	3248106	22733114	78.99	97.76	97.75	98.42
121	455	312588	3320596	23240504	80.39	100.39	100.41	102.25
122	460	319473	3393886	23753494	82.19	103.33	103.25	101.95
123	465	326433	3467976	24272084	84.11	106.10	106.13	107.15
124	470	333468	3542866	24796274	85.66	106.87	106.53	119.43
125	475	340578	3618556	25326064	87.36	110.60	110.55	108.80
126	480	347763	3695046	25861454	89.08	113.34	113.30	110.70
127	485	355023	3772336	26402444	91.07	125.17	125.25	113.22
128	490	362358	3850426	26949034	92.80	141.14	141.13	114.69
129	495	369768	3929316	27501224	94.99	118.36	118.27	144.21
130	500	377253	4009006	28059014	96.66	119.41	119.47	142.07
131	525	415803	4419456	30931964	106.43	151.10	150.73	183.12
132	550	456228	4849906	33944914	116.71	195.64	195.24	202.65
133	575	498528	5300356	37097864	127.27	229.51	227.25	265.47
134	600	542703	5770806	40390814	137.38	292.99	293.59	285.59
135	625	588753	6261256	43823764	148.92	363.78	363.34	349.27
136	650	636678	6771706	47396714	161.21	363.46	363.66	404.55
137	675	686478	7302156	51109664	177.31	471.59	471.13	459.40
138	700	738153	7852606	54962614	190.71	480.15	479.49	506.07
139	725	791703	8423056	58955564	207.29	547.15	546.97	579.65
140	750	847128	9013506	63088514	227.45	594.18	594.17	573.62

141	775	904428	9623956	67361464	247.84	670.66	671.70	675.10
142	800	963603	10254406	71774414	267.46	741.36	739.17	705.99
143	825	1024653	10904856	76327364	286.83	791.54	795.62	791.19

Table 169: *nae*3-pyramid-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	18	106	698	0.00	0.00	0.00	0.00
2	4	45	334	2278	0.00	0.00	0.00	0.00
3	6	84	690	4754	0.00	0.00	0.00	0.00
4	8	135	1174	8126	0.01	0.01	0.01	0.01
5	10	198	1786	12394	0.03	0.02	0.01	0.05
6	12	273	2526	17558	0.04	0.20	0.20	0.04
7	14	360	3394	23618	0.27	0.11	0.10	0.10
8	16	459	4390	30574	0.31	0.46	0.47	0.46
9	18	570	5514	38426	0.48	0.71	0.71	1.07
10	20	693	6766	47174	0.28	1.34	1.33	1.16
11	22	828	8146	56818	0.79	1.73	1.71	1.22
12	24	975	9654	67358	2.72	2.90	2.89	2.70
13	26	1134	11290	78794	1.36	1.93	1.92	0.78
14	28	1305	13054	91126	3.99	3.41	3.43	3.00
15	30	1488	14946	104354	1.49	11.66	11.67	10.67
16	32	1683	16966	118478	3.03	8.40	8.45	15.54
17	34	1890	19114	133498	9.79	17.01	16.94	17.99
18	36	2109	21390	149414	17.19	27.71	27.64	15.75
19	38	2340	23794	166226	7.43	24.77	24.82	41.92
20	40	2583	26326	183934	55.40	17.98	17.95	26.36
21	42	2838	28986	202538	37.78	49.00	49.07	3.75
22	44	3105	31774	222038	95.50	58.31	58.26	50.37
23	46	3384	34690	242434	41.33	56.03	56.10	49.32
24	48	3675	37734	263726	157.90	60.03	60.02	140.44
25	50	3978	40906	285914	140.93	142.63	142.90	161.89
26	52	4293	44206	308998	255.72	130.77	130.89	247.97
27	54	4620	47634	332978	346.76	249.56	249.59	127.97
28	56	4959	51190	357854	265.00	411.92	414.53	149.18
29	58	5310	54874	383626	64.75	595.38	591.60	433.70
30	60	5673	58686	410294	298.61	621.73	625.09	420.86
31	62	6048	62626	437858	372.67	394.26	394.00	382.25
32	64	6435	66694	466318	712.58	622.29	619.95	672.04
33	66	6834	70890	495674	400.87	995.06	994.45	367.45
34	68	7245	75214	525926	1048.72	711.83	712.89	1100.38
35	70	7668	79666	557074	918.90	2016.04	2017.73	1577.84
36	72	8103	84246	589118	790.61	1830.20	1830.77	1072.35
37	74	8550	88954	622058	1770.13	1713.48	1713.82	2033.78
38	76	9009	93790	655894	1906.69	1036.83	1038.89	1845.10
39	78	9480	98754	690626	1678.43	722.43	722.73	1768.48
40	80	9963	103846	726254	1889.68	2657.22	2653.09	2231.93
41	82	10458	109066	762778	3211.28	1878.07	1882.61	1964.87
42	84	10965	114414	800198	to	to	mo	1912.94

Table 170: *nae*3-pyramid-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	18	106	698	0.00	0.00	0.00	0.00
2	4	45	334	2278	0.00	0.00	0.00	0.00
3	6	84	690	4754	0.00	0.00	0.00	0.00
4	8	135	1174	8126	0.00	0.00	0.00	0.00
5	10	198	1786	12394	0.00	0.00	0.00	0.00
6	12	273	2526	17558	0.00	0.01	0.01	0.01
7	14	360	3394	23618	0.01	0.01	0.01	0.01

8	16	459	4390	30574	0.01	0.01	0.01	0.01
9	18	570	5514	38426	0.01	0.01	0.02	0.02
10	20	693	6766	47174	0.02	0.03	0.03	0.03
11	22	828	8146	56818	0.02	0.03	0.03	0.02
12	24	975	9654	67358	0.02	0.03	0.03	0.04
13	26	1134	11290	78794	0.03	0.05	0.05	0.05
14	28	1305	13054	91126	0.03	0.06	0.06	0.06
15	30	1488	14946	104354	0.05	0.06	0.07	0.07
16	32	1683	16966	118478	0.04	0.08	0.08	0.08
17	34	1890	19114	133498	0.06	0.09	0.09	0.08
18	36	2109	21390	149414	0.07	0.09	0.10	0.10
19	38	2340	23794	166226	0.07	0.10	0.11	0.11
20	40	2583	26326	183934	0.09	0.12	0.12	0.12
21	42	2838	28986	202538	0.09	0.13	0.14	0.14
22	44	3105	31774	222038	0.10	0.15	0.14	0.14
23	46	3384	34690	242434	0.12	0.16	0.16	0.15
24	48	3675	37734	263726	0.12	0.18	0.18	0.17
25	50	3978	40906	285914	0.14	0.20	0.19	0.19
26	52	4293	44206	308998	0.14	0.19	0.22	0.19
27	54	4620	47634	332978	0.16	0.22	0.24	0.22
28	56	4959	51190	357854	0.14	0.24	0.24	0.23
29	58	5310	54874	383626	0.18	0.26	0.26	0.27
30	60	5673	58686	410294	0.18	0.28	0.29	0.28
31	62	6048	62626	437858	0.22	0.30	0.30	0.31
32	64	6435	66694	466318	0.21	0.34	0.34	0.31
33	66	6834	70890	495674	0.25	0.35	0.33	0.35
34	68	7245	75214	525926	0.26	0.38	0.38	0.37
35	70	7668	79666	557074	0.25	0.40	0.40	0.41
36	72	8103	84246	589118	0.29	0.42	0.41	0.42
37	74	8550	88954	622058	0.31	0.45	0.45	0.44
38	76	9009	93790	655894	0.32	0.48	0.47	0.46
39	78	9480	98754	690626	0.33	0.50	0.50	0.51
40	80	9963	103846	726254	0.36	0.54	0.52	0.52
41	82	10458	109066	762778	0.37	0.56	0.56	0.57
42	84	10965	114414	800198	0.41	0.60	0.59	0.60
43	86	11484	119890	838514	0.41	0.64	0.63	0.61
44	88	12015	125494	877726	0.44	0.63	0.68	0.65
45	90	12558	131226	917834	0.45	0.69	0.69	0.71
46	92	13113	137086	958838	0.48	0.73	0.72	0.71
47	94	13680	143074	1000738	0.49	0.76	0.77	0.79
48	96	14259	149190	1043534	0.52	0.81	0.80	0.82
49	98	14850	155434	1087226	0.53	0.83	0.83	0.83
50	100	15453	161806	1131814	0.56	0.89	0.90	0.89
51	105	17013	178296	1247204	0.61	1.00	1.03	1.00
52	110	18648	195586	1368194	0.69	1.11	1.16	1.11
53	115	20358	213676	1494784	0.74	1.22	1.26	1.24
54	120	22143	232566	1626974	0.81	1.43	1.40	1.40
55	125	24003	252256	1764764	0.90	1.55	1.56	1.61
56	130	25938	272746	1908154	0.96	1.68	1.71	1.72
57	135	27948	294036	2057144	1.03	1.86	1.89	1.86
58	140	30033	316126	2211734	1.10	2.05	2.10	2.05
59	145	32193	339016	2371924	1.20	2.20	2.25	2.24
60	150	34428	362706	2537714	1.30	2.46	2.46	2.42
61	155	36738	387196	2709104	1.38	2.64	2.60	2.62
62	160	39123	412486	2886094	1.39	2.84	2.87	2.81
63	165	41583	438576	3068684	1.59	3.05	3.03	3.07
64	170	44118	465466	3256874	1.65	3.28	3.27	3.24
65	175	46728	493156	3450664	1.74	3.51	3.45	3.49
66	180	49413	521646	3650054	1.88	3.72	3.74	3.70
67	185	52173	550936	3855044	1.95	3.99	4.02	3.92
68	190	55008	581026	4065634	2.11	4.23	4.26	4.24
69	195	57918	611916	4281824	2.15	4.52	4.49	4.45

70	200	60903	643606	4503614	2.35	4.73	4.77	4.74
71	205	63963	676096	4731004	2.46	5.05	5.05	5.08
72	210	67098	709386	4963994	2.58	5.35	5.36	5.38
73	215	70308	743476	5202584	2.69	5.62	5.59	5.60
74	220	73593	778366	5446774	2.74	5.98	5.97	5.95
75	225	76953	814056	5696564	2.94	6.29	6.24	6.23
76	230	80388	850546	5951954	3.07	6.59	6.56	6.55
77	235	83898	887836	6212944	3.13	6.94	6.92	6.91
78	240	87483	925926	6479534	3.36	7.22	7.16	7.19
79	245	91143	964816	6751724	3.53	7.57	7.63	7.61
80	250	94878	1004506	7029514	3.55	7.87	7.98	8.00
81	255	98688	1044996	7312904	3.75	8.27	8.31	8.32
82	260	102573	1086286	7601894	3.92	8.73	8.74	8.83
83	265	106533	1128376	7896484	4.09	9.10	9.13	9.13
84	270	110568	1171266	8196674	4.20	9.56	9.59	9.60
85	275	114678	1214956	8502464	4.34	10.01	9.97	9.96
86	280	118863	1259446	8813854	4.52	10.34	10.34	10.39
87	285	123123	1304736	9130844	4.72	10.80	10.89	10.83
88	290	127458	1350826	9453434	4.92	11.24	11.30	11.38
89	295	131868	1397716	9781624	5.01	11.69	11.80	11.74
90	300	136353	1445406	10115414	5.14	12.16	12.12	12.17
91	305	140913	1493896	10454804	5.42	12.62	12.71	12.69
92	310	145548	1543186	10799794	5.54	13.06	13.17	13.15
93	315	150258	1593276	11150384	5.75	13.69	13.74	13.62
94	320	155043	1644166	11506574	5.96	14.20	14.08	14.23
95	325	159903	1695856	11868364	6.15	14.67	14.70	14.62
96	330	164838	1748346	12235754	6.33	15.55	15.12	15.18
97	335	169848	1801636	12608744	6.55	15.66	16.55	15.56
98	340	174933	1855726	12987334	6.75	17.08	16.35	16.19
99	345	180093	1910616	13371524	6.96	16.89	16.88	17.57
100	350	185328	1966306	13761314	7.15	17.55	18.27	17.50
101	355	190638	2022796	14156704	7.31	18.79	18.01	18.06
102	360	196023	2080086	14557694	7.59	18.58	18.49	18.64
103	365	201483	2138176	14964284	7.72	19.16	19.16	19.17
104	370	207018	2197066	15376474	7.95	19.82	19.77	19.80
105	375	212628	2256756	15794264	8.21	20.38	20.39	20.34
106	380	218313	2317246	16217654	8.44	21.03	21.03	20.91
107	385	224073	2378536	16646644	8.74	21.72	21.76	21.78
108	390	229908	2440626	17081234	8.92	22.31	22.28	22.44
109	395	235818	2503516	17521424	9.04	22.99	23.01	22.97
110	400	241803	2567206	17967214	9.38	23.76	23.58	23.78
111	405	247863	2631696	18418604	9.53	24.44	24.36	24.34
112	410	253998	2696986	18875594	9.79	25.11	25.14	25.09
113	415	260208	2763076	19338184	9.92	25.79	25.74	25.77
114	420	266493	2829966	19806374	10.21	26.62	26.50	26.50
115	425	272853	2897656	20280164	10.57	27.18	27.21	27.34
116	430	279288	2966146	20759554	10.75	27.95	28.03	27.77
117	435	285798	3035436	21244544	11.03	28.78	28.75	28.88
118	440	292383	3105526	21735134	11.32	29.47	29.62	29.52
119	445	299043	3176416	22231324	11.60	30.17	30.27	30.26
120	450	305778	3248106	22733114	11.93	31.08	30.97	31.20
121	455	312588	3320596	23240504	12.00	31.81	31.77	31.80
122	460	319473	3393886	23753494	12.28	32.43	32.59	32.72
123	465	326433	3467976	24272084	12.60	33.54	33.36	33.47
124	470	333468	3542866	24796274	12.92	34.22	34.19	34.19
125	475	340578	3618556	25326064	13.24	35.10	35.04	35.07
126	480	347763	3695046	25861454	13.51	35.79	36.43	36.49
127	485	355023	3772336	26402444	13.73	36.90	36.74	36.79
128	490	362358	3850426	26949034	14.07	37.70	37.70	37.66
129	495	369768	3929316	27501224	14.53	38.61	38.37	38.59
130	500	377253	4009006	28059014	14.68	39.34	39.33	39.44
131	525	415803	4419456	30931964	16.14	43.91	44.01	44.02

132	550	456228	4849906	33944914	17.84	49.00	48.79	48.88
133	575	498528	5300356	37097864	19.48	54.00	53.94	53.95
134	600	542703	5770806	40390814	21.19	59.26	59.33	59.23
135	625	588753	6261256	43823764	22.89	64.88	64.92	65.05
136	650	636678	6771706	47396714	24.79	70.89	70.92	71.29
137	675	686478	7302156	51109664	26.86	76.95	76.77	76.93
138	700	738153	7852606	54962614	28.95	83.23	83.57	83.40
139	725	791703	8423056	58955564	30.90	90.05	90.17	90.22
140	750	847128	9013506	63088514	33.47	97.09	96.98	97.16
141	775	904428	9623956	67361464	35.51	104.21	104.29	104.41
142	800	963603	10254406	71774414	37.83	111.66	111.78	111.85
143	825	1024653	10904856	76327364	40.27	119.86	119.86	120.05
144	850	1087578	11575306	81020314			128.30	

Table 171: *nae*3-pyramid-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	18	106	698	0.00	0.00	0.00	0.00
2	4	45	334	2278	0.00	0.00	0.00	0.00
3	6	84	690	4754	0.01	0.04	0.04	0.02
4	8	135	1174	8126	77.74	0.03	0.22	0.51
5	10	198	1786	12394	to	to	to	

Table 172: *nae*3-pyramid-picosat

4.8 pyrofpyr

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	27	172	1152	0.00	0.00	0.00	0.00
2	2	108	886	6110	0.02	0.03	0.03	0.03
3	3	300	2724	18920	0.10	0.11	0.12	0.12
4	4	675	6454	44958	0.28	0.29	0.29	0.28
5	5	1323	13036	90944	0.58	0.62	0.62	0.61
6	6	2352	23622	164942	1.10	1.13	1.14	1.14
7	7	3888	39556	276360	1.84	1.92	1.94	1.93
8	8	6075	62374	435950	2.87	3.03	3.03	3.02
9	9	9075	93804	655808	4.15	4.42	4.41	4.41
10	10	13068	135766	949374	5.89	6.33	6.31	6.33
11	11	18252	190372	1331432	8.05	8.77	8.75	8.76
12	12	24843	259926	1818110	10.69	11.96	12.00	12.16
13	13	33075	346924	2426880	14.09	16.64	15.98	16.07
14	14	43200	454054	3176558	20.77	20.88	20.90	21.02
15	15	55488	584196	4087304	to	26.94	26.92	26.95
16	16	70227	740422	5180622	to	to	to	

Table 173: *nae*3-pyrofpyr-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	27	172	1152	0.00	0.00	0.00	0.00
2	2	108	886	6110	0.03	0.02	0.02	0.02
3	3	300	2724	18920	0.47	0.63	0.61	0.49
4	4	675	6454	44958	39.59	54.37	54.08	42.54
5	5	1323	13036	90944	2054.01	2511.72	2505.00	to
6	6	2352	23622	164942		to	to	to

Table 174: *nae*3-pyrofpyr-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	27	172	1152	0.00	0.00	0.00	0.00
2	2	108	886	6110	0.00	0.00	0.00	0.00
3	3	300	2724	18920	0.01	0.01	0.01	0.01
4	4	675	6454	44958	0.01	0.03	0.03	0.03
5	5	1323	13036	90944	0.05	0.07	0.06	0.07
6	6	2352	23622	164942	0.10	0.13	0.14	0.13
7	7	3888	39556	276360	0.17	0.24	0.24	0.24
8	8	6075	62374	435950	0.27	0.39	0.39	0.38
9	9	9075	93804	655808	0.40	0.59	0.62	0.60
10	10	13068	135766	949374	0.59	0.91	0.91	0.91
11	11	18252	190372	1331432	0.86	1.38	1.35	1.38
12	12	24843	259926	1818110	1.15	2.02	1.99	2.02
13	13	33075	346924	2426880	1.55	2.79	2.82	2.82
14	14	43200	454054	3176558	2.05	3.88	3.88	3.81
15	15	55488	584196	4087304	2.71	5.17	5.13	5.15
16	16	70227	740422	5180622	3.37	6.76	6.75	6.66
17	17	87723	925996	6479360	4.28	8.70	8.69	8.72
18	18	108300	1144374	8007710	5.30	11.08	11.06	11.11
19	19	132300	1399204	9791208	6.50	14.01	13.90	13.95
20	20	160083	1694326	11856734	7.93	17.43	17.48	17.45
21	21	192027	2033772	14232512	9.54	21.48	21.54	21.39
22	22	228528	2421766	16948110	11.53	26.10	26.14	26.09
23	23	270000	2862724	20034440	13.51	31.47	31.64	31.78
24	24	316875	3361254	23523758	15.79	37.81	37.74	37.78
25	25	369603	3922156	27449664	18.58	45.07	45.85	45.17
26	26	428652	4550422	31847102	21.50	53.14	53.10	53.12
27	27	494508	5251236	36752360	25.32	62.36	62.39	62.07
28	28	567675	6029974	42203070	28.53	72.49	72.34	72.43
29	29	648675	6892204	48238208	32.67	83.88	83.71	84.14
30	30	738048	7843686	54898094	37.09	96.82	96.69	96.86
31	31	836352	8890372	62224392	42.50	110.93	110.79	111.09
32	32	944163	10038406	70260110	48.02	126.84	126.54	126.53
33	33	1062075	11294124	79049600	53.96	143.88	143.94	144.15
34	34	1190700	12664054	88638558	60.76	163.39	163.53	163.33
35	35	1330668	14154916	99074024	67.64	184.82	184.86	184.46
36	36	1482627	15773622	110404382	75.45	207.61	207.96	208.20
37	37	1647243	17527276	122679360	84.01	234.48	233.62	234.04
38	38	1825200	19423174	135950030	93.12	262.12	261.91	262.17
39	39	2017200	21468804	150268808	102.75	292.53	292.33	292.98
40	40	2223963	23671846	165689454	113.46	326.61	326.09	326.32
41	41	2446227	26040172	182267072	124.55	362.03	362.84	362.73
42	42	2684748	28581846	200058110	136.93	402.33	402.21	402.21
43	43	2940300	31305124	219120360	152.15	444.27	445.44	446.02
44	44	3213675	34218454	239512958	165.87	493.64	492.43	493.41
45	45	3505683	37330476	261296384	180.54	541.56	560.89	541.42
46	46	3817152	40650022	284532462	198.38	595.65	597.08	595.59
47	47	4148928	44186116	309284360	212.27	744.17	656.65	651.68
48	48	4501875	47947974	335616590	236.09	782.02	714.29	713.75
49	49	4876875	51945004	363595008	254.30	781.28	779.62	917.41
50	50	5274828	56186806	393286814	277.41	901.41	851.31	849.96

Table 175: *nae*3-pyrofpyr-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	27	172	1152	0.00	0.00	0.00	0.00
2	2	108	886	6110	0.02	0.02	0.02	0.03
3	3	300	2724	18920	0.44	1.80	1.80	0.58
4	4	675	6454	44958	5.37	237.36	7.60	128.95
5	5	1323	13036	90944		to	to	to

Table 176: *nae*3-pyrofpyr-picosat

4.9 pyrseqsqrt

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	129	990	6806	0.02	0.03	0.03	0.02
2	3	327	2742	18974	0.08	0.08	0.08	0.08
3	4	663	5846	40574	0.17	0.18	0.19	0.19
4	5	1368	12466	86674	0.44	0.44	0.44	0.47
5	6	2433	22686	157910	0.83	0.86	0.87	0.83
6	7	3930	37274	259658	1.38	1.37	1.37	1.38
7	8	6387	61382	427854	2.13	2.29	2.28	2.34
8	9	9075	88134	614606	3.10	3.21	3.22	3.20
9	10	13113	128446	896054	3.90	4.48	4.48	4.58
10	11	18978	187226	1306506	5.44	6.62	6.62	6.59
11	12	25275	250854	1750958	6.94	8.78	8.75	8.99
12	13	33933	338526	2363414	9.31	11.89	11.85	12.10
13	14	44271	443638	3097822	12.05	15.75	15.76	15.58
14	15	56433	567726	3964934	15.42	19.93	19.91	19.96
15	16	70563	712326	4975502	19.04	24.87	24.83	25.01
16	17	88692	898082	6273762	23.65	30.91	31.28	30.98
17	18	109515	1111974	7768814	28.90	37.29	37.40	37.90
18	19	133212	1355922	9474098	35.24	45.49	45.61	45.78
19	20	159963	1631846	11403054	41.59	54.02	54.18	55.10
20	21	192783	1970646	13771646	49.64	63.89	63.87	64.49
21	22	229551	2350838	16429790	58.65	76.27	76.20	76.60
22	23	270483	2774726	19393614	68.96	89.23	89.20	89.19
23	24	319467	3282342	22942958	80.79	103.82	103.91	104.84
24	25	369678	3803706	26588714	93.22	121.34	121.41	120.52
25	26	429003	4420006	30898414	107.82	145.69	145.78	145.68
26	27	498639	5143830	35960126	125.39	199.47	199.10	192.58
27	28	569943	5886166	41151614	141.80	238.37	238.20	248.15
28	29	652764	6748770	47184290	162.38	317.57	319.00	310.82
29	30	742773	7687086	53746694	190.43	380.62	380.96	386.82
30	31	840258	8704186	60860330	223.86	464.28	464.06	463.53
31	32	945507	9803142	68546702	265.04	541.53	542.30	539.86
32	33	1065639	11057910	77322974	298.27	626.50	625.59	627.18
33	34	1194933	12409326	86775494	mo	721.76	722.75	740.82
34	35	1333713	13860846	96928454	mo		mo	mo

Table 177: *nae*3-pyrseqsqrt-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	129	990	6806	0.00	0.01	0.01	0.01
2	3	327	2742	18974	0.03	0.05	0.05	0.04
3	4	663	5846	40574	0.27	0.25	0.24	0.40
4	5	1368	12466	86674	1.46	2.97	2.93	1.45
5	6	2433	22686	157910	16.29	16.96	16.92	16.31
6	7	3930	37274	259658	4.51	61.76	61.67	61.27
7	8	6387	61382	427854	124.98	131.42	131.54	141.21
8	9	9075	88134	614606	417.16	356.78	356.34	160.63
9	10	13113	128446	896054	891.79	210.03	210.22	802.83
10	11	18978	187226	1306506	1198.50	2592.15	2596.29	2055.98
11	12	25275	250854	1750958	1417.60	mo	to	2689.49
12	13	33933	338526	2363414	1217.66	to	to	485.77
13	14	44271	443638	3097822	to	to		to

Table 178: *nae*3-pyrseqsqrt-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	129	990	6806	0.00	0.00	0.00	0.00
2	3	327	2742	18974	0.00	0.00	0.01	0.01
3	4	663	5846	40574	0.01	0.02	0.02	0.01
4	5	1368	12466	86674	0.04	0.04	0.05	0.05
5	6	2433	22686	157910	0.06	0.10	0.09	0.09
6	7	3930	37274	259658	0.12	0.16	0.17	0.17
7	8	6387	61382	427854	0.20	0.30	0.30	0.30
8	9	9075	88134	614606	0.30	0.44	0.43	0.43
9	10	13113	128446	896054	0.44	0.65	0.65	0.67
10	11	18978	187226	1306506	0.63	1.06	1.04	1.04
11	12	25275	250854	1750958	0.91	1.52	1.49	1.51
12	13	33933	338526	2363414	1.22	2.22	2.22	2.16
13	14	44271	443638	3097822	1.57	3.00	3.02	3.06
14	15	56433	567726	3964934	2.01	4.02	4.07	4.07
15	16	70563	712326	4975502	2.55	5.25	5.28	5.30
16	17	88692	898082	6273762	3.22	6.92	7.09	6.95
17	18	109515	1111974	7768814	4.00	8.89	8.93	8.85
18	19	133212	1355922	9474098	4.79	11.14	11.23	11.22
19	20	159963	1631846	11403054	5.82	13.97	13.90	14.51
20	21	192783	1970646	13771646	7.12	17.32	17.31	17.43
21	22	229551	2350838	16429790	8.46	21.20	21.32	21.18
22	23	270483	2774726	19393614	10.09	25.78	25.75	25.84
23	24	319467	3282342	22942958	12.01	31.30	31.16	31.17
24	25	369678	3803706	26588714	13.73	36.82	36.87	36.95
25	26	429003	4420006	30898414	15.95	43.74	43.67	43.67
26	27	498639	5143830	35960126	18.79	51.69	51.77	52.09
27	28	569943	5886166	41151614	21.53	60.25	60.23	60.24
28	29	652764	6748770	47184290	24.60	70.10	69.81	69.98
29	30	742773	7687086	53746694	28.07	80.81	80.96	80.95
30	31	840258	8704186	60860330	31.94	93.21	93.11	92.95
31	32	945507	9803142	68546702	36.03	106.16	105.65	105.47
32	33	1065639	11057910	77322974	40.65	121.05	120.83	120.90
33	34	1194933	12409326	86775494	45.53	137.68	137.36	137.49
34	35	1333713	13860846	96928454	50.98	155.22	155.34	155.28
35	36	1482303	15415926	107806046	56.92	174.93	174.69	174.93
36	37	1649574	17166970	120054506	63.42	197.57	197.34	198.50
37	38	1828221	19038158	133143654	70.25	222.32	221.61	222.52
38	39	2018604	21033330	147100370	77.54	247.88	248.25	248.15
39	40	2231043	23260166	162677774	86.14	276.74	277.39	276.51
40	41	2446473	25520046	178486790	94.43	307.00	306.85	307.14
41	42	2685693	28029966	196045094	103.67	341.95	341.88	341.28
42	43	2950620	30810194	215494514	114.53	379.92	379.24	379.56
43	44	3219219	33630790	235226830	125.19	417.40	418.17	420.55
44	45	3515403	36741606	256989614	137.56	476.77	462.43	463.58
45	46	3828123	40027366	279976622	149.25	508.35	511.35	508.61
46	47	4157811	43492678	304220110	165.71	558.53	559.52	565.07

Table 179: *nae*3-pyrseqsqrt-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	129	990	6806	0.01	0.01	0.01	0.01
2	3	327	2742	18974	647.86	2.63	2.60	0.68
3	4	663	5846	40574	1037.16	151.26	to	to
4	5	1368	12466	86674	to	to	608.54	to

Table 180: *nae*3-pyrseqsqrt-picosat

4.10 width10chain

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	117	952	6564	0.02	0.01	0.00	0.02
2	2000	60027	639992	4479844	to	mo	to	

Table 181: *nae*3-width10chain-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	117	952	6564	0.00	0.00	0.00	0.01
2	2000	60027	639992	4479844	683.23	756.83	758.81	784.60
3	4000	120027	1279992	8959844	669.99	762.26	763.35	750.23
4	6000	180027	1919992	13439844	to		to	to

Table 182: *nae*3-width10chain-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	117	952	6564	0.00	0.00	0.00	0.00
2	2000	60027	639992	4479844	2.31	4.74	4.78	4.72
3	4000	120027	1279992	8959844	4.64	10.55	10.49	10.61
4	6000	180027	1919992	13439844	7.14	16.85	16.80	16.92
5	8000	240027	2559992	17919844	9.42	23.44	23.47	23.71
6	10000	300027	3199992	22399844	11.79	30.27	30.92	30.25
7	12000	360027	3839992	26879844	14.09	37.45	37.28	37.51
8	14000	420027	4479992	31359844	16.59	44.70	44.55	44.49
9	16000	480027	5119992	35839844	18.88	51.56	52.03	51.61
10	18000	540027	5759992	40319844	21.25	58.91	58.91	58.93
11	20000	600027	6399992	44799844	23.69	66.08	66.11	65.95
12	22000	660027	7039992	49279844	26.16	73.59	73.29	73.31
13	24000	720027	7679992	53759844	28.50	80.86	80.83	81.05
14	26000	780027	8319992	58239844	31.11	88.93	89.12	88.32
15	28000	840027	8959992	62719844	33.22	96.24	96.19	95.73
16	30000	900027	9599992	67199844	35.49	103.41	103.48	103.51
17	32000	960027	10239992	71679844	38.02	110.93	111.17	110.98
18	34000	1020027	10879992	76159844	40.34	118.91	118.68	118.77
19	36000	1080027	11519992	80639844	42.83	126.63	126.48	126.32
20	38000	1140027	12159992	85119844	44.99	134.08	134.27	134.51
21	40000	1200027	12799992	89599844	47.55	142.47	142.34	142.10
22	42000	1260027	13439992	94079844	49.85	150.11	150.16	149.99
23	44000	1320027	14079992	98559844	52.43	157.98	158.05	158.27
24	46000	1380027	14719992	103039844	54.92	165.85	166.02	165.79
25	48000	1440027	15359992	107519844	57.06	174.21	173.71	173.84
26	50000	1500027	15999992	111999844	59.60	182.16	182.04	181.86
27	52000	1560027	16639992	116479844	61.69	189.72	190.18	189.53
28	54000	1620027	17279992	120959844	64.53	198.15	198.39	198.26
29	56000	1680027	17919992	125439844	66.79	206.70	206.58	207.28
30	58000	1740027	18559992	129919844	69.09	215.04	215.23	214.98
31	60000	1800027	19199992	134399844	71.53	223.41	223.23	223.91
32	62000	1860027	19839992	138879844	73.92	231.56	231.45	231.74
33	64000	1920027	20479992	143359844	76.26	239.90	240.24	239.83
34	66000	1980027	21119992	147839844	78.75	248.09	247.94	248.48
35	68000	2040027	21759992	152319844	81.14	257.02	257.41	256.96
36	70000	2100027	22399992	156799844	83.64	264.70	265.20	264.97
37	72000	2160027	23039992	161279844	86.25	273.41	272.56	273.19
38	74000	2220027	23679992	165759844	88.47	281.64	281.81	281.96
39	76000	2280027	24319992	170239844	90.77	290.69	291.09	290.67
40	78000	2340027	24959992	174719844	93.28	298.99	299.17	298.95
41	80000	2400027	25599992	179199844	95.71	307.29	307.22	307.21
42	82000	2460027	26239992	183679844	97.91	316.21	315.95	316.61
43	84000	2520027	26879992	188159844	100.25	324.85	324.68	325.29
44	86000	2580027	27519992	192639844	102.55	333.89	332.84	334.06

45	88000	2640027	28159992	197119844	105.30	341.82	341.67	343.18
46	90000	2700027	28799992	201599844	107.47	350.32	350.97	351.53
47	92000	2760027	29439992	206079844	109.91	359.69	360.41	360.77
48	94000	2820027	30079992	210559844	112.32	367.40	368.06	368.23
49	96000	2880027	30719992	215039844	115.50		376.46	

Table 183: *nae*3-width10chain-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	117	952	6564	0.02	0.17	0.16	0.01
2	2000	60027	639992	4479844	to	to	to	

Table 184: *nae*3-width10chain-picosat

4.11 width2chain

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	21	168	1140	0.00	0.00	0.00	0.00
2	10000	60003	639976	4479796	11.04	14.06	14.01	13.95
3	20000	120003	1279976	8959796	20.94	26.96	27.04	27.05
4	30000	180003	1919976	13439796	29.96	39.48	38.97	38.90
5	40000	240003	2559976	17919796	39.24	51.73	51.92	52.01
6	50000	300003	3199976	22399796	47.99	64.00	64.08	64.01
7	60000	360003	3839976	26879796	57.26	77.11	76.99	76.67
8	70000	420003	4479976	31359796	66.58	89.84	89.96	89.83
9	80000	480003	5119976	35839796	75.68	103.15	103.22	103.18
10	90000	540003	5759976	40319796	84.14	113.79	113.95	113.64
11	100000	600003	6399976	44799796	92.74	126.60	126.58	126.87
12	110000	660003	7039976	49279796	102.02	139.78	139.74	139.78
13	120000	720003	7679976	53759796	111.11	152.22	152.28	152.72
14	130000	780003	8319976	58239796	119.91	166.28	166.30	166.13
15	140000	840003	8959976	62719796	129.30	178.61	178.81	178.49
16	150000	900003	9599976	67199796	138.03	191.73	191.49	192.57
17	160000	960003	10239976	71679796	mo	mo	mo	

Table 185: *nae*3-width2chain-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	21	168	1140	0.00	0.00	0.00	0.00
2	10000	60003	639976	4479796	to		to	to

Table 186: *nae*3-width2chain-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	21	168	1140	0.00	0.00	0.00	0.00
2	10000	60003	639976	4479796	2.21	4.78	4.81	4.81
3	20000	120003	1279976	8959796	4.42	10.68	10.55	10.57
4	30000	180003	1919976	13439796	6.74	17.41	16.96	16.96
5	40000	240003	2559976	17919796	8.95	23.63	23.51	23.67
6	50000	300003	3199976	22399796	11.18	30.58	30.54	30.47
7	60000	360003	3839976	26879796	13.56	37.68	37.56	37.57
8	70000	420003	4479976	31359796	15.72	44.57	44.68	44.65
9	80000	480003	5119976	35839796	18.09	51.86	52.06	52.29
10	90000	540003	5759976	40319796	20.18	59.29	59.02	59.21
11	100000	600003	6399976	44799796	22.52	66.31	66.53	66.51
12	110000	660003	7039976	49279796	24.74	73.87	73.99	73.80
13	120000	720003	7679976	53759796	27.07	81.21	81.30	81.53

14	130000	780003	8319976	58239796	29.30	88.78	88.75	88.90
15	140000	840003	8959976	62719796	31.46	96.47	96.38	96.21
16	150000	900003	9599976	67199796	33.72	103.83	103.88	104.05
17	160000	960003	10239976	71679796	36.21	111.84	111.61	111.51
18	170000	1020003	10879976	76159796	38.32	119.13	119.23	119.32
19	180000	1080003	11519976	80639796	40.58	126.60	126.66	127.19
20	190000	1140003	12159976	85119796	43.14	135.02	134.57	134.93
21	200000	1200003	12799976	89599796	45.04	142.33	142.58	142.80
22	210000	1260003	13439976	94079796	47.64	150.40	150.47	150.80
23	220000	1320003	14079976	98559796	49.61	158.50	158.33	158.45
24	230000	1380003	14719976	103039796	52.07	166.11	166.39	165.98
25	240000	1440003	15359976	107519796	54.36	174.89	174.26	174.64
26	250000	1500003	15999976	111999796	56.77	182.26	182.54	182.86
27	260000	1560003	16639976	116479796	58.97	191.40	191.04	190.56
28	270000	1620003	17279976	120959796	61.21	199.25	199.00	199.20
29	280000	1680003	17919976	125439796	63.52	207.93	207.06	207.77
30	290000	1740003	18559976	129919796	66.00	215.86	216.10	216.42
31	300000	1800003	19199976	134399796	68.20	223.97	224.51	223.67
32	310000	1860003	19839976	138879796	70.33	232.47	232.17	232.56
33	320000	1920003	20479976	143359796	72.51	240.91	240.51	241.21
34	330000	1980003	21119976	147839796	75.29	250.60	249.50	249.26
35	340000	2040003	21759976	152319796	77.08	257.25	257.53	257.49
36	350000	2100003	22399976	156799796	79.41	265.67	266.20	265.69
37	360000	2160003	23039976	161279796	81.99	274.55	275.00	273.81
38	370000	2220003	23679976	165759796	84.29	283.76	283.02	282.40
39	380000	2280003	24319976	170239796	86.38	292.44	291.15	291.28
40	390000	2340003	24959976	174719796	88.50	299.46	299.64	300.03
41	400000	2400003	25599976	179199796	90.99	308.28	308.05	309.19
42	410000	2460003	26239976	183679796	93.20	334.16	316.87	316.84
43	420000	2520003	26879976	188159796	95.67	325.86	379.67	326.24
44	430000	2580003	27519976	192639796	98.33	334.14	356.83	334.88
45	440000	2640003	28159976	197119796	100.44	343.32	342.75	367.03
46	450000	2700003	28799976	201599796	102.30	352.23	353.52	379.34
47	460000	2760003	29439976	206079796	104.72	361.11	360.21	393.94
48	470000	2820003	30079976	210559796	106.81	407.35	370.77	369.75
49	480000	2880003	30719976	215039796	109.42	378.50	419.63	378.82
50	490000	2940003	31359976	219519796	111.59	433.12	388.03	389.07

Table 187: *nae*3-width2chain-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	21	168	1140	0.00	0.00	0.00	0.00
2	10000	60003	639976	4479796	to		to	to

Table 188: *nae*3-width2chain-picosat

4.12 width5chain

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	57	462	3174	0.01	0.01	0.00	0.01
2	4000	60012	639982	4479814	to		to	to

Table 189: *nae*3-width5chain-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	57	462	3174	0.00	0.00	0.00	0.00
2	4000	60012	639982	4479814	to	792.55	790.95	826.13
3	8000	120012	1279982	8959814	795.28	889.94	907.68	805.46

4	12000	180012	1919982	13439814	to	to	to	

Table 190: *nae*3-width5chain-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	57	462	3174	0.00	0.00	0.00	0.00
2	4000	60012	639982	4479814	2.28	4.73	4.80	4.78
3	8000	120012	1279982	8959814	4.53	10.54	10.79	10.63
4	12000	180012	1919982	13439814	6.86	16.89	16.79	16.92
5	16000	240012	2559982	17919814	9.14	23.49	23.46	23.63
6	20000	300012	3199982	22399814	11.36	30.43	30.40	30.47
7	24000	360012	3839982	26879814	13.81	38.02	37.36	37.38
8	28000	420012	4479982	31359814	16.07	44.43	44.53	44.42
9	32000	480012	5119982	35839814	18.18	51.56	51.73	51.70
10	36000	540012	5759982	40319814	20.60	59.38	58.93	59.02
11	40000	600012	6399982	44799814	22.81	66.10	66.33	66.25
12	44000	660012	7039982	49279814	25.04	73.40	73.93	73.47
13	48000	720012	7679982	53759814	27.66	80.94	81.36	80.98
14	52000	780012	8319982	58239814	29.85	88.60	88.48	88.43
15	56000	840012	8959982	62719814	32.01	95.85	96.03	96.24
16	60000	900012	9599982	67199814	34.37	103.34	103.81	103.56
17	64000	960012	10239982	71679814	36.79	111.14	111.13	110.91
18	68000	1020012	10879982	76159814	39.08	118.49	118.83	118.82
19	72000	1080012	11519982	80639814	41.41	126.03	126.56	126.60
20	76000	1140012	12159982	85119814	43.91	134.21	134.32	133.98
21	80000	1200012	12799982	89599814	46.14	141.85	142.53	142.04
22	84000	1260012	13439982	94079814	48.16	150.05	149.79	149.82
23	88000	1320012	14079982	98559814	50.46	158.13	158.13	158.35
24	92000	1380012	14719982	103039814	52.91	165.95	165.75	166.44
25	96000	1440012	15359982	107519814	55.13	174.55	173.70	174.33
26	100000	1500012	15999982	111999814	57.72	182.28	182.23	181.91
27	104000	1560012	16639982	116479814	59.97	189.71	190.00	190.67

Table 191: *nae*3-width5chain-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	57	462	3174	0.00	0.00	0.00	0.00
2	4000	60012	639982	4479814	to	3263.42	to	3054.32
3	8000	120012	1279982	8959814	to		to	to

Table 192: *nae*3-width5chain-picosat

5 $or2$

5.1 bintree

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	6	8	22	0.00	0.00	0.00	0.00
2	2	14	18	58	0.00	0.00	0.00	0.00
3	3	30	38	130	0.00	0.00	0.00	0.00
4	4	62	78	274	0.00	0.00	0.00	0.00
5	5	126	158	562	0.00	0.00	0.00	0.00
6	6	254	318	1138	0.00	0.00	0.00	0.00
7	7	510	638	2290	0.00	0.00	0.00	0.00
8	8	1022	1278	4594	0.01	0.01	0.01	0.01
9	9	2046	2558	9202	0.02	0.03	0.03	0.03
10	10	4094	5118	18418	0.05	0.05	0.06	0.06
11	11	8190	10238	36850	0.11	0.11	0.11	0.12
12	12	16382	20478	73714	0.23	0.25	0.25	0.25
13	13	32766	40958	147442	0.45	0.51	0.51	0.51
14	14	65534	81918	294898	0.99	1.13	1.14	1.11
15	15	131070	163838	589810	2.16	2.67	2.66	2.65
16	16	262142	327678	1179634	4.60	5.89	5.92	5.87
17	17	524286	655358	2359282	9.35	12.15	12.21	12.28
18	18	1048574	1310718	4718578	16.51	24.07	23.54	23.49
19	19	2097150	2621438	9437170	29.14	44.89	44.93	44.87
20	20	4194302	5242878	18874354	53.56	86.93	86.97	86.80

Table 193: $or2$-bintree-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	6	8	22	0.00	0.00	0.00	0.00
2	2	14	18	58	0.00	0.00	0.00	0.00
3	3	30	38	130	0.00	0.00	0.00	0.00
4	4	62	78	274	0.00	0.00	0.00	0.00
5	5	126	158	562	0.00	0.00	0.00	0.00
6	6	254	318	1138	0.00	0.00	0.00	0.00
7	7	510	638	2290	0.00	0.00	0.00	0.00
8	8	1022	1278	4594	0.00	0.00	0.00	0.00
9	9	2046	2558	9202	0.01	0.02	0.02	0.02
10	10	4094	5118	18418	0.05	0.08	0.07	0.07
11	11	8190	10238	36850	0.19	0.29	0.28	0.31
12	12	16382	20478	73714	0.79	1.20	1.20	1.27
13	13	32766	40958	147442	3.27	5.24	5.21	5.52
14	14	65534	81918	294898	11.94	19.11	19.07	19.78
15	15	131070	163838	589810	36.05	97.02	97.75	95.32
16	16	262142	327678	1179634	162.43	507.04	508.88	505.58
17	17	524286	655358	2359282	780.52	2482.80	2488.25	2484.19
18	18	1048574	1310718	4718578	2944.06	to	to	to

Table 194: $or2$-bintree-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	6	8	22	0.00	0.00	0.00	0.00
2	2	14	18	58	0.00	0.00	0.00	0.00
3	3	30	38	130	0.00	0.00	0.00	0.00
4	4	62	78	274	0.00	0.00	0.00	0.00
5	5	126	158	562	0.00	0.00	0.00	0.00
6	6	254	318	1138	0.00	0.00	0.00	0.00
7	7	510	638	2290	0.00	0.00	0.00	0.00
8	8	1022	1278	4594	0.00	0.00	0.00	0.00

9	9	2046	2558	9202	0.00	0.00	0.00	0.00
10	10	4094	5118	18418	0.01	0.01	0.01	0.00
11	11	8190	10238	36850	0.02	0.02	0.01	0.01
12	12	16382	20478	73714	0.04	0.05	0.03	0.05
13	13	32766	40958	147442	0.08	0.11	0.10	0.10
14	14	65534	81918	294898	0.17	0.27	0.26	0.27
15	15	131070	163838	589810	0.38	0.65	0.63	0.61
16	16	262142	327678	1179634	0.77	1.57	1.54	1.55
17	17	524286	655358	2359282	1.64	3.50	3.58	3.54
18	18	1048574	1310718	4718578	3.43	7.88	7.96	7.93
19	19	2097150	2621438	9437170	7.07	17.62	17.55	17.61
20	20	4194302	5242878	18874354	14.76	38.92	38.83	38.77

Table 195: *or*2-bintree-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	6	8	22	0.00	0.00	0.00	0.00
2	2	14	18	58	0.00	0.00	0.00	0.00
3	3	30	38	130	0.00	0.00	0.00	0.00
4	4	62	78	274	0.00	0.00	0.00	0.00
5	5	126	158	562	0.00	0.00	0.00	0.00
6	6	254	318	1138	0.00	0.00	0.00	0.00
7	7	510	638	2290	0.00	0.00	0.00	0.00
8	8	1022	1278	4594	0.00	0.01	0.01	0.01
9	9	2046	2558	9202	0.02	0.04	0.04	0.05
10	10	4094	5118	18418	0.07	0.19	0.19	0.19
11	11	8190	10238	36850	0.28	0.73	0.73	0.74
12	12	16382	20478	73714	0.73	3.05	3.04	3.03
13	13	32766	40958	147442	2.46	12.62	12.62	12.72
14	14	65534	81918	294898	9.76	60.81	60.71	57.86
15	15	131070	163838	589810	38.06	284.01	284.06	295.20
16	16	262142	327678	1179634	127.56	1335.49	1329.66	1307.97
17	17	524286	655358	2359282		to	to	to

Table 196: *or*2-bintree-picosat

5.2 gtb

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	42	74	282	0.00	0.00	0.00	0.00
2	6	88	160	622	0.00	0.00	0.00	0.00
3	8	158	294	1154	0.00	0.00	0.00	0.00
4	10	276	524	2070	0.02	0.02	0.01	0.02
5	12	310	586	2314	0.02	0.01	0.02	0.02
6	16	526	1006	3986	0.01	0.02	0.02	0.02
7	20	854	1650	6554	0.10	0.11	0.11	0.11
8	24	982	1894	7522	0.06	0.05	0.06	0.06
9	32	1598	3102	12338	0.04	0.05	0.06	0.06
10	40	2470	4822	19202	0.36	0.40	0.40	0.39
11	48	2878	5614	22354	0.17	0.19	0.19	0.18
12	64	4542	8894	35442	0.11	0.18	0.18	0.17
13	80	6782	13326	53138	1.10	1.22	1.23	1.23
14	96	7966	15646	62386	0.45	0.49	0.50	0.49
15	128	12286	24190	96498	0.32	0.51	0.51	0.52
16	160	17886	35294	140850	3.07	3.55	3.56	3.51
17	192	21118	41662	166258	1.14	1.27	1.28	1.29
18	256	31998	63230	252402	0.82	1.34	1.35	1.34
19	320	45694	90430	361074	8.21	9.51	9.48	9.58
20	384	54142	107134	427762	2.87	3.29	3.29	3.28
21	512	80894	160254	639986	2.35	3.73	3.70	3.77

22	640	113790	225662	901362	21.34	25.46	25.38	25.29
23	768	135166	268030	1070578	7.41	8.81	8.81	8.80
24	1000	198614	394230	1574914	31.28	42.08	41.99	41.35
25	1024	199678	396286	1583090	6.49	10.37	10.39	10.41
26	1250	276336	548924	2193190	2008.42	to	to	2696.79
27	1280	277502	551166	2202098	2829.48	2164.06	2165.58	to
28	1500	327886	651274	2602090	to		to	to

Table 197: *or*2-gtb-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	42	74	282	0.00	0.00	0.00	0.00
2	6	88	160	622	0.00	0.00	0.00	0.00
3	8	158	294	1154	0.01	0.00	0.00	0.00
4	10	276	524	2070	0.02	0.00	0.00	0.01
5	12	310	586	2314	0.01	0.01	0.01	0.02
6	16	526	1006	3986	0.03	0.04	0.04	0.04
7	20	854	1650	6554	0.10	0.11	0.11	0.09
8	24	982	1894	7522	0.08	0.18	0.18	0.10
9	32	1598	3102	12338	0.67	0.31	0.29	0.30
10	40	2470	4822	19202	0.68	0.56	0.57	0.49
11	48	2878	5614	22354	0.45	0.93	0.92	0.71
12	64	4542	8894	35442	1.10	0.79	0.81	1.38
13	80	6782	13326	53138	3.13	2.60	2.63	3.51
14	96	7966	15646	62386	2.25	3.66	3.64	2.34
15	128	12286	24190	96498	6.90	6.71	6.74	5.41
16	160	17886	35294	140850	21.65	8.47	8.43	8.73
17	192	21118	41662	166258	8.60	10.11	10.07	9.24
18	256	31998	63230	252402	23.37	37.95	37.86	20.75
19	320	45694	90430	361074	48.51	34.57	34.31	31.20
20	384	54142	107134	427762	69.48	90.62	90.45	86.95
21	512	80894	160254	639986	149.86	212.56	211.28	228.52
22	640	113790	225662	901362	313.50	340.74	322.88	212.86
23	768	135166	268030	1070578	782.96	1084.75	1080.12	957.43
24	1000	198614	394230	1574914	2203.64	2886.44	2882.29	2685.58
25	1024	199678	396286	1583090	2184.52	2315.96	2306.65	2214.69
26	1250	276336	548924	2193190	3298.44	3574.51	to	2530.92
27	1280	277502	551166	2202098	2724.69	to	to	2248.54
28	1500	327886	651274	2602090	to		to	to

Table 198: *or*2-gtb-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	42	74	282	0.00	0.00	0.00	0.00
2	6	88	160	622	0.00	0.00	0.00	0.00
3	8	158	294	1154	0.00	0.00	0.00	0.00
4	10	276	524	2070	0.00	0.00	0.00	0.00
5	12	310	586	2314	0.00	0.00	0.00	0.00
6	16	526	1006	3986	0.00	0.00	0.00	0.00
7	20	854	1650	6554	0.00	0.00	0.00	0.00
8	24	982	1894	7522	0.00	0.00	0.00	0.00
9	32	1598	3102	12338	0.00	0.00	0.00	0.00
10	40	2470	4822	19202	0.01	0.01	0.01	0.01
11	48	2878	5614	22354	0.00	0.01	0.01	0.01
12	64	4542	8894	35442	0.01	0.02	0.02	0.02
13	80	6782	13326	53138	0.03	0.03	0.04	0.04
14	96	7966	15646	62386	0.03	0.03	0.04	0.04
15	128	12286	24190	96498	0.05	0.04	0.06	0.04
16	160	17886	35294	140850	0.10	0.13	0.12	0.13
17	192	21118	41662	166258	0.10	0.13	0.13	0.13

18	256	31998	63230	252402	0.14	0.20	0.20	0.19
19	320	45694	90430	361074	0.22	0.35	0.36	0.37
20	384	54142	107134	427762	0.27	0.38	0.40	0.38
21	512	80894	160254	639986	0.34	0.60	0.59	0.61
22	640	113790	225662	901362	0.69	1.09	1.07	1.10
23	768	135166	268030	1070578	0.66	1.19	1.24	1.25
24	1000	198614	394230	1574914	0.95	1.87	1.83	1.80
25	1024	199678	396286	1583090	0.99	1.86	1.90	1.87
26	1250	276336	548924	2193190	1.66	3.28	3.23	3.23
27	1280	277502	551166	2202098	1.67	3.25	3.17	3.22
28	1500	327886	651274	2602090	1.72	3.69	3.69	3.66
29	1536	330238	655870	2620402	1.78	3.62	3.61	3.62
30	1750	440320	875392	3498062	2.15	4.87	4.93	4.93
31	2000	480254	954510	3814034	2.38	5.36	5.35	5.32
32	2048	483326	960510	3837938	2.39	5.43	5.44	5.41
33	2250	621464	1236180	4940214	3.94	8.34	8.22	8.28
34	2500	661670	1315842	5258362	4.13	8.77	8.82	8.80
35	2560	665086	1322494	5284850	4.12	8.86	8.91	8.84
36	2750	745960	1483672	5929182	4.12	9.63	9.59	9.53
37	3000	786166	1563334	6247330	4.35	10.06	10.11	10.12
38	3072	792574	1575934	6297586	4.35	10.12	10.14	10.08
39	3250	1004176	1998604	7987910	5.27	12.94	12.79	12.79
40	3500	1044110	2077722	8303882	5.44	13.37	13.38	13.35
41	3750	1103296	2195344	8773870	5.65	14.13	14.24	14.24
42	4000	1142558	2273118	9084466	5.88	14.66	14.76	14.72
43	4096	1150974	2289662	9150450	5.99	14.75	14.84	14.79
44	4250	1422008	2831268	11316566	9.12	21.07	21.19	21.04
45	4500	1462214	2910930	11634714	9.41	21.70	21.70	21.59
46	4750	1521128	3028008	12102526	9.73	22.65	22.55	22.59
47	5000	1561334	3107670	12420674	9.83	23.26	23.07	23.39
48	5120	1570814	3126270	12494834	9.94	23.31	23.47	23.46
49	5250	1724048	3432348	13718886	10.05	25.01	24.93	24.98
50	5500	1757998	3499498	13986986	10.14	25.48	25.52	25.31
51	5750	1817184	3617120	14456974	10.56	26.22	26.27	26.25
52	6000	1857118	3696238	14772946	10.61	27.03	26.77	27.02
53	6144	1873918	3729406	14905330	10.89	26.92	27.19	27.15
54	6250	2304504	4590260	18348534	12.55	32.92	33.06	33.36
55	6500	2344710	4669922	18666682	12.70	33.78	33.84	33.68
56	6750	2402952	4785656	19129118	13.14	34.82	34.75	34.62
57	7000	2443158	4865318	19447266	13.15	35.31	35.48	35.14
58	7250	2544432	5067116	20253958	13.59	36.79	36.89	36.63
59	7500	2584366	5146234	20569930	13.82	37.49	37.41	37.70
60	7750	2643552	5263856	21039918	14.18	38.46	38.43	38.37
61	8000	2681214	5338430	21337714	14.38	38.99	39.00	38.95
62	8192	2703358	5382142	21512178	14.73	39.36	39.33	39.43

Table 199: *or*2-gtb-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	42	74	282	0.00	0.00	0.00	0.00
2	6	88	160	622	0.00	0.00	0.00	0.00
3	8	158	294	1154	0.00	0.00	0.00	0.01
4	10	276	524	2070	0.02	0.01	0.01	0.01
5	12	310	586	2314	0.04	0.04	0.04	0.04
6	16	526	1006	3986	0.27	0.06	0.06	0.15
7	20	854	1650	6554	0.27	0.46	1.74	0.19
8	24	982	1894	7522	0.22	25.44	0.48	3.75
9	32	1598	3102	12338	314.11	0.57	0.57	to
10	40	2470	4822	19202	1150.26	5.88	5.79	2.19
11	48	2878	5614	22354	to	1.80	88.84	1.14
12	64	4542	8894	35442	to	4.74	1.62	3.80

13	80	6782	13326	53138	to	6.59	6.64	6.04
14	96	7966	15646	62386	to	9.83	5.11	7.32
15	128	12286	24190	96498	to	409.18	409.78	33.97
16	160	17886	35294	140850	to	30.28	29.92	29.18
17	192	21118	41662	166258	to	372.22	372.42	43.24
18	256	31998	63230	252402	to	140.07	217.54	284.46
19	320	45694	90430	361074	to	143.21	169.53	117.15
20	384	54142	107134	427762	to	1811.26	385.29	288.40
21	512	80894	160254	639986	to	to	to	822.39

Table 200: *or*2-gtb-picosat

5.3 pyr10seq

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	522	923	3604	0.01	0.01	0.01	0.01
2	250	32502	57503	225004	0.80	1.07	1.08	1.04
3	500	65002	115003	450004	1.68	2.29	2.26	2.27
4	750	97502	172503	675004	2.71	3.68	3.70	3.74
5	1000	130002	230003	900004	3.60	5.33	5.28	5.24
6	1250	162502	287503	1125004	4.76	6.75	6.70	6.70
7	1500	195002	345003	1350004	5.76	8.51	8.52	8.38
8	1750	227502	402503	1575004	6.90	10.01	9.98	10.08
9	2000	260002	460003	1800004	7.79	11.51	11.47	11.31
10	2250	292502	517503	2025004	8.71	12.97	12.93	13.08
11	2500	325002	575003	2250004	9.50	14.52	14.49	14.49
12	2750	357502	632503	2475004	10.43	15.54	15.48	15.81
13	3000	390002	690003	2700004	11.16	17.25	17.35	16.92
14	3250	422502	747503	2925004	12.26	18.65	18.78	18.44
15	3500	455002	805003	3150004	13.27	20.00	20.01	20.01
16	3750	487502	862503	3375004	13.98	21.66	21.64	21.56
17	4000	520002	920003	3600004	14.71	23.09	23.07	23.09
18	4250	552502	977503	3825004	15.62	24.34	24.35	24.52
19	4500	585002	1035003	4050004	16.47	25.85	25.91	25.66
20	4750	617502	1092503	4275004	17.04	27.13	27.13	27.11
21	5000	650002	1150003	4500004	18.12	28.29	28.16	28.50
22	5250	682502	1207503	4725004	19.14	29.73	29.86	30.01
23	5500	715002	1265003	4950004	18.93	30.38	30.37	30.50
24	5750	747502	1322503	5175004	19.98	31.41	31.39	31.47
25	6000	780002	1380003	5400004	20.51	33.25	33.22	32.99
26	6250	812502	1437503	5625004	21.03	34.20	34.18	34.63
27	6500	845002	1495003	5850004	21.81	35.84	35.86	35.41
28	6750	877502	1552503	6075004	22.78	37.02	37.08	36.91
29	7000	910002	1610003	6300004	23.40	38.24	38.14	38.51
30	7250	942502	1667503	6525004	24.12	39.48	39.62	40.08
31	7500	975002	1725003	6750004	24.83	41.04	41.11	41.14
32	7750	1007502	1782503	6975004	25.71	42.22	42.35	41.94
33	8000	1040002	1840003	7200004	26.28	43.77	43.72	43.77
34	8250	1072502	1897503	7425004	27.05	44.84	44.79	44.57
35	8500	1105002	1955003	7650004	27.34	46.33	46.39	46.27
36	8750	1137502	2012503	7875004	28.56	47.60	47.62	47.47
37	9000	1170002	2070003	8100004	28.91	48.69	48.64	48.86
38	9250	1202502	2127503	8325004	29.98	50.21	50.23	49.68
39	9500	1235002	2185003	8550004	30.41	50.86	51.01	51.01
40	9750	1267502	2242503	8775004	31.32	51.84	51.84	52.37
41	10000	1300002	2300003	9000004	31.94	53.59	53.37	53.70
42	10250	1332502	2357503	9225004	32.73	55.19	55.07	54.92
43	10500	1365002	2415003	9450004	33.23	56.14	56.33	56.29
44	10750	1397502	2472503	9675004	33.87	57.66	57.45	57.50
45	11000	1430002	2530003	9900004	34.94	58.91	58.99	58.43
46	11250	1462502	2587503	10125004	35.17	59.47	59.62	59.74

47	11500	1495002	2645003	10350004	36.03	61.46	61.89	60.63
48	11750	1527502	2702503	10575004	36.59	62.22	62.42	62.35
49	12000	1560002	2760003	10800004	37.71	64.06	64.05	64.34
50	12250	1592502	2817503	11025004	38.20	65.06	64.80	65.10
51	12500	1625002	2875003	11250004	38.95	65.87	65.74	66.01
52	12750	1657502	2932503	11475004	39.59	67.46	67.45	67.69
53	13000	1690002	2990003	11700004	40.22	68.78	68.84	68.57
54	13250	1722502	3047503	11925004	40.89	69.79	70.07	70.10
55	13500	1755002	3105003	12150004	41.50	71.14	71.31	71.64
56	13750	1787502	3162503	12375004	42.47	72.63	72.46	72.71
57	14000	1820002	3220003	12600004	43.13	73.91	73.99	73.43
58	14250	1852502	3277503	12825004	43.41	75.33	75.31	75.36
59	14500	1885002	3335003	13050004	44.56	76.65	76.56	76.68
60	14750	1917502	3392503	13275004	45.47	78.29	77.97	77.83
61	15000	1950002	3450003	13500004	46.07	79.16	78.86	79.11

Table 201: *or*2-pyr10seq-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	522	923	3604	0.01	0.01	0.00	0.02
2	250	32502	57503	225004	5.02	8.59	8.59	7.74
3	500	65002	115003	450004	16.82	20.14	20.05	21.23
4	750	97502	172503	675004	47.24	56.50	56.33	44.48
5	1000	130002	230003	900004	106.95	100.55	98.27	107.15
6	1250	162502	287503	1125004	109.40	148.78	148.28	134.41
7	1500	195002	345003	1350004	198.36	244.66	243.54	216.00
8	1750	227502	402503	1575004	323.52	307.36	306.43	315.84
9	2000	260002	460003	1800004	353.74	379.07	379.49	388.06
10	2250	292502	517503	2025004	483.37	523.50	521.93	528.06
11	2500	325002	575003	2250004	763.72	779.31	778.77	646.55
12	2750	357502	632503	2475004	692.93	833.57	832.74	757.42
13	3000	390002	690003	2700004	1410.39	979.13	977.23	1079.26
14	3250	422502	747503	2925004	1344.31	1214.77	1213.88	1237.78
15	3500	455002	805003	3150004	1219.86	1339.69	1331.10	1264.13
16	3750	487502	862503	3375004	2115.59	1428.68	1416.91	1798.86
17	4000	520002	920003	3600004	1475.51	1730.27	1731.01	1880.12
18	4250	552502	977503	3825004	1668.57	2022.85	2024.48	2158.25
19	4500	585002	1035003	4050004	1986.34	2663.68	2668.27	2064.07
20	4750	617502	1092503	4275004	3352.92	2646.50	2656.31	2489.22
21	5000	650002	1150003	4500004	2385.26	2842.23	2837.22	2928.39
22	5250	682502	1207503	4725004	2649.47	3286.24	3278.01	3149.88
23	5500	715002	1265003	4950004	2815.63	to	to	to

Table 202: *or*2-pyr10seq-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	522	923	3604	0.00	0.00	0.00	0.00
2	250	32502	57503	225004	0.11	0.17	0.18	0.18
3	500	65002	115003	450004	0.25	0.40	0.39	0.40
4	750	97502	172503	675004	0.37	0.68	0.70	0.66
5	1000	130002	230003	900004	0.51	0.96	0.92	0.96
6	1250	162502	287503	1125004	0.67	1.30	1.29	1.27
7	1500	195002	345003	1350004	0.86	1.61	1.63	1.60
8	1750	227502	402503	1575004	0.91	1.98	1.96	1.95
9	2000	260002	460003	1800004	1.12	2.27	2.31	2.26
10	2250	292502	517503	2025004	1.26	2.70	2.68	2.65
11	2500	325002	575003	2250004	1.38	2.99	2.98	3.03
12	2750	357502	632503	2475004	1.55	3.38	3.38	3.39
13	3000	390002	690003	2700004	1.70	3.72	3.73	3.72
14	3250	422502	747503	2925004	1.84	4.15	4.16	4.11

15	3500	455002	805003	3150004	2.03	4.55	4.55	4.50
16	3750	487502	862503	3375004	2.13	4.88	4.95	4.89
17	4000	520002	920003	3600004	2.28	5.24	5.28	5.30
18	4250	552502	977503	3825004	2.40	5.55	5.67	5.61
19	4500	585002	1035003	4050004	2.56	6.08	6.03	6.06
20	4750	617502	1092503	4275004	2.73	6.44	6.46	6.43
21	5000	650002	1150003	4500004	2.81	6.82	6.93	6.83
22	5250	682502	1207503	4725004	3.03	7.22	7.26	7.11
23	5500	715002	1265003	4950004	3.22	7.71	7.65	7.68
24	5750	747502	1322503	5175004	3.36	8.07	8.04	8.07
25	6000	780002	1380003	5400004	3.43	8.50	8.44	8.39
26	6250	812502	1437503	5625004	3.63	8.88	8.89	8.84
27	6500	845002	1495003	5850004	3.72	9.33	9.21	9.25
28	6750	877502	1552503	6075004	3.93	9.78	9.66	9.61
29	7000	910002	1610003	6300004	4.00	9.97	10.04	10.04
30	7250	942502	1667503	6525004	4.24	10.55	10.50	10.56
31	7500	975002	1725003	6750004	4.37	10.94	10.89	10.82
32	7750	1007502	1782503	6975004	4.48	11.26	11.30	11.24
33	8000	1040002	1840003	7200004	4.65	11.60	11.76	11.74
34	8250	1072502	1897503	7425004	4.79	12.15	12.06	12.16
35	8500	1105002	1955003	7650004	5.02	12.61	12.58	12.60
36	8750	1137502	2012503	7875004	5.13	13.06	13.01	12.90
37	9000	1170002	2070003	8100004	5.36	13.41	13.40	13.37
38	9250	1202502	2127503	8325004	5.44	13.84	13.84	13.95
39	9500	1235002	2185003	8550004	5.66	14.26	14.27	14.25
40	9750	1267502	2242503	8775004	5.74	14.78	14.80	14.66
41	10000	1300002	2300003	9000004	5.98	15.22	15.07	15.29
42	10250	1332502	2357503	9225004	6.12	15.57	15.65	15.60
43	10500	1365002	2415003	9450004	6.18	16.00	16.08	16.02
44	10750	1397502	2472503	9675004	6.34	16.47	16.48	16.50
45	11000	1430002	2530003	9900004	6.53	16.89	16.90	16.99
46	11250	1462502	2587503	10125004	6.73	17.42	17.38	17.43
47	11500	1495002	2645003	10350004	6.86	17.74	17.82	17.85
48	11750	1527502	2702503	10575004	6.98	18.36	18.32	18.33
49	12000	1560002	2760003	10800004	7.12	18.65	18.73	18.65
50	12250	1592502	2817503	11025004	7.25	19.15	19.20	19.18
51	12500	1625002	2875003	11250004	7.41	19.70	19.62	19.62
52	12750	1657502	2932503	11475004	7.60	20.25	20.10	20.10
53	13000	1690002	2990003	11700004	7.72	20.47	20.61	20.46
54	13250	1722502	3047503	11925004	7.84	21.05	20.95	21.03
55	13500	1755002	3105003	12150004	8.05	21.24	21.37	21.40
56	13750	1787502	3162503	12375004	8.18	21.91	21.78	21.84
57	14000	1820002	3220003	12600004	8.34	22.36	22.28	22.48
58	14250	1852502	3277503	12825004	8.46	22.85	22.65	22.83
59	14500	1885002	3335003	13050004	8.58	23.17	23.20	23.13
60	14750	1917502	3392503	13275004	8.80	23.52	23.47	23.62
61	15000	1950002	3450003	13500004	8.84	24.04	24.15	23.98

Table 203: *or*2-pyr10seq-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	522	923	3604	0.18	0.02	0.01	0.01
2	250	32502	57503	225004	21.20	17.39	17.55	17.53
3	500	65002	115003	450004	71.17	82.37	82.21	78.04
4	750	97502	172503	675004	166.60	194.85	195.03	188.57
5	1000	130002	230003	900004	305.01	382.88	382.32	359.43
6	1250	162502	287503	1125004	473.56	587.78	590.74	619.15
7	1500	195002	345003	1350004	718.59	890.25	890.09	942.28
8	1750	227502	402503	1575004	1009.00	1253.84	1251.43	1257.36
9	2000	260002	460003	1800004	1286.97	1687.99	1695.80	1686.26
10	2250	292502	517503	2025004	1679.43	2213.90	2213.50	2235.59

11	2500	325002	575003	2250004	2110.25	2868.86	2869.82	2798.04
12	2750	357502	632503	2475004	2590.63	3412.43	3403.40	3405.01
13	3000	390002	690003	2700004		to	to	to

Table 204: *or*2-pyr10seq-picosat

5.4 pyr1seq

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	18	23	76	0.00	0.00	0.00	0.00
2	10000	40002	50003	180004	1.54	2.07	2.08	2.07
3	20000	80002	100003	360004	2.20	3.04	3.06	3.06
4	30000	120002	150003	540004	3.08	4.13	0.00	0.00
5	40000	160002	200003	720004	3.93	5.50	5.56	5.52
6	50000	200002	250003	900004	4.62	6.60	6.55	6.62
7	60000	240002	300003	1080004	5.36	7.74	7.69	7.73
8	70000	280002	350003	1260004	6.23	8.60	8.57	8.54
9	80000	320002	400003	1440004	6.58	9.90	9.82	9.90
10	90000	360002	450003	1620004	7.52	11.08	11.00	11.13
11	100000	400002	500003	1800004	8.60	12.64	12.59	12.56
12	110000	440002	550003	1980004	8.82	12.87	12.83	12.89
13	120000	480002	600003	2160004	9.47	14.10	14.11	14.10
14	130000	520002	650003	2340004	10.06	15.31	15.25	15.39
15	140000	560002	700003	2520004	10.77	16.47	16.52	16.47
16	150000	600002	750003	2700004	11.63	17.53	17.53	17.63
17	160000	640002	800003	2880004	12.91	18.52	18.53	18.81
18	170000	680002	850003	3060004	12.33	19.68	19.66	19.58
19	180000	720002	900003	3240004	12.88	20.72	20.71	20.77
20	190000	760002	950003	3420004	14.34	21.73	21.72	21.78
21	200000	800002	1000003	3600004	13.96	22.77	22.77	22.61
22	210000	840002	1050003	3780004	14.23	21.95	21.96	21.82
23	220000	880002	1100003	3960004	14.36	22.62	22.59	22.58
24	230000	920002	1150003	4140004	15.01	23.50	23.52	23.52
25	240000	960002	1200003	4320004	16.24	24.44	24.48	24.44
26	250000	1000002	1250003	4500004	15.08	25.25	25.22	25.33
27	260000	1040002	1300003	4680004	16.80	26.27	26.28	26.35
28	270000	1080002	1350003	4860004	17.86	27.24	27.26	27.17
29	280000	1120002	1400003	5040004	17.97	28.11	28.09	28.06
30	290000	1160002	1450003	5220004	18.77	29.11	29.20	29.13
31	300000	1200002	1500003	5400004	19.44	29.96	30.02	29.91
32	310000	1240002	1550003	5580004	18.59	30.82	30.88	31.11
33	320000	1280002	1600003	5760004	20.33	31.71	31.73	31.69
34	330000	1320002	1650003	5940004	19.86	32.58	32.64	32.66
35	340000	1360002	1700003	6120004	20.39	33.62	33.54	33.63
36	350000	1400002	1750003	6300004	21.51	34.46	34.45	34.39
37	360000	1440002	1800003	6480004	21.58	35.45	35.38	35.33
38	370000	1480002	1850003	6660004	23.14	36.31	36.36	36.21
39	380000	1520002	1900003	6840004	23.55	37.01	37.01	37.15
40	390000	1560002	1950003	7020004	24.12	38.26	38.26	38.23
41	400000	1600002	2000003	7200004	24.67	39.01	39.15	38.99
42	410000	1640002	2050003	7380004	25.10	39.98	39.96	40.03
43	420000	1680002	2100003	7560004	25.47	41.11	41.07	40.99
44	430000	1720002	2150003	7740004	26.27	41.77	41.83	41.64
45	440000	1760002	2200003	7920004	26.94	42.67	42.68	42.68
46	450000	1800002	2250003	8100004	26.89	43.84	43.74	43.70
47	460000	1840002	2300003	8280004	28.14	44.51	44.38	44.39
48	470000	1880002	2350003	8460004	28.14	45.43	45.54	45.60
49	480000	1920002	2400003	8640004	28.22	46.41	46.28	46.30
50	490000	1960002	2450003	8820004	29.22	47.25	47.14	47.07
51	500000	2000002	2500003	9000004	29.62	48.08	47.90	48.08

Table 205: *or*2-pyr1seq-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	18	23	76	0.00	0.00	0.00	0.00
2	10000	40002	50003	180004	13.12	17.45	17.24	21.45
3	20000	80002	100003	360004	54.78	79.82	79.75	75.44
4	30000	120002	150003	540004	136.31	221.53	0.00	0.00
5	40000	160002	200003	720004	267.24	405.80	404.84	361.93
6	50000	200002	250003	900004	425.10	620.05	624.23	621.11
7	60000	240002	300003	1080004	624.64	945.19	946.91	894.75
8	70000	280002	350003	1260004	872.06	1093.10	1093.61	1184.91
9	80000	320002	400003	1440004	1183.27	1413.79	1845.55	1596.90
10	90000	360002	450003	1620004	1526.85	1916.91	1900.72	1750.89
11	100000	400002	500003	1800004	1858.32	2307.60	2276.80	2208.23
12	110000	440002	550003	1980004	2261.60	2619.23	2588.59	2367.16
13	120000	480002	600003	2160004	3146.10	3137.17	3109.86	3274.54
14	130000	520002	650003	2340004	3120.72	3382.66	3402.38	3279.58
15	140000	560002	700003	2520004	to		to	to

Table 206: *or*2-pyr1seq-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	18	23	76	0.00	0.00	0.00	0.00
2	10000	40002	50003	180004	0.13	0.16	0.19	0.15
3	20000	80002	100003	360004	0.27	0.39	0.44	0.43
4	30000	120002	150003	540004	0.43	0.70	0.00	0.00
5	40000	160002	200003	720004	0.57	1.05	1.02	1.04
6	50000	200002	250003	900004	0.73	1.37	1.41	1.36
7	60000	240002	300003	1080004	0.88	1.73	1.71	1.76
8	70000	280002	350003	1260004	1.03	2.10	2.09	2.06
9	80000	320002	400003	1440004	1.18	2.46	2.91	2.44
10	90000	360002	450003	1620004	1.27	2.84	2.82	2.85
11	100000	400002	500003	1800004	1.49	3.20	3.15	3.20
12	110000	440002	550003	1980004	1.67	3.60	3.61	3.57
13	120000	480002	600003	2160004	1.86	3.94	3.95	3.93
14	130000	520002	650003	2340004	2.01	4.35	4.38	4.40
15	140000	560002	700003	2520004	2.18	4.78	4.71	4.75
16	150000	600002	750003	2700004	2.32	5.15	5.15	5.10
17	160000	640002	800003	2880004	2.45	5.53	5.51	5.54
18	170000	680002	850003	3060004	2.66	5.84	5.87	5.87
19	180000	720002	900003	3240004	2.78	6.30	6.32	6.34
20	190000	760002	950003	3420004	2.99	6.71	6.75	6.74
21	200000	800002	1000003	3600004	3.15	7.05	7.13	7.21
22	210000	840002	1050003	3780004	3.30	7.55	7.57	7.48
23	220000	880002	1100003	3960004	3.53	8.08	8.09	7.88
24	230000	920002	1150003	4140004	3.63	8.40	8.37	8.34
25	240000	960002	1200003	4320004	3.80	8.76	8.75	8.75
26	250000	1000002	1250003	4500004	3.96	9.19	9.14	9.12
27	260000	1040002	1300003	4680004	4.10	9.66	9.67	9.71
28	270000	1080002	1350003	4860004	4.26	10.06	10.09	10.12
29	280000	1120002	1400003	5040004	4.52	10.51	10.58	10.51
30	290000	1160002	1450003	5220004	4.68	10.95	11.00	11.71
31	300000	1200002	1500003	5400004	4.82	11.39	11.37	11.38
32	310000	1240002	1550003	5580004	4.95	11.82	11.95	11.90
33	320000	1280002	1600003	5760004	5.14	12.27	12.26	12.20
34	330000	1320002	1650003	5940004	5.29	12.66	12.71	12.64
35	340000	1360002	1700003	6120004	5.46	13.19	13.17	13.07
36	350000	1400002	1750003	6300004	5.66	13.62	13.55	13.52
37	360000	1440002	1800003	6480004	5.78	14.02	14.11	13.94
38	370000	1480002	1850003	6660004	5.97	14.46	14.48	14.53
39	380000	1520002	1900003	6840004	6.06	14.95	14.89	14.84
40	390000	1560002	1950003	7020004	6.34	15.37	15.30	15.41
41	400000	1600002	2000003	7200004	6.45	15.86	15.91	15.87

42	410000	1640002	2050003	7380004	6.71	16.51	16.23	16.31
43	420000	1680002	2100003	7560004	6.89	16.90	16.83	16.79
44	430000	1720002	2150003	7740004	7.11	17.32	17.21	17.27
45	440000	1760002	2200003	7920004	7.23	17.74	17.78	17.61
46	450000	1800002	2250003	8100004	7.38	18.34	18.36	18.29
47	460000	1840002	2300003	8280004	7.61	18.60	18.54	18.69
48	470000	1880002	2350003	8460004	7.78	19.19	19.14	19.11
49	480000	1920002	2400003	8640004	8.01	19.71	19.63	19.52
50	490000	1960002	2450003	8820004	8.11	20.00	20.14	20.00
51	500000	2000002	2500003	9000004	8.28	20.56	20.39	20.28

Table 207: *or*2-pyr1seq-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	18	23	76	0.00	0.00	0.00	0.00
2	10000	40002	50003	180004	97.31	15.39	15.39	14.87
3	20000	80002	100003	360004	317.38	66.44	66.15	66.23
4	30000	120002	150003	540004	968.18	165.27	0.00	0.00
5	40000	160002	200003	720004	1701.46	315.78	314.72	317.82
6	50000	200002	250003	900004	2658.92	522.96	520.30	517.60
7	60000	240002	300003	1080004	to	775.75	773.21	762.36
8	70000	280002	350003	1260004	to	1071.19	1070.18	1088.46
9	80000	320002	400003	1440004	to	1435.55	1432.79	1419.73
10	90000	360002	450003	1620004	to	1866.97	1872.48	1884.10
11	100000	400002	500003	1800004	to	2330.10	2338.69	2352.77
12	110000	440002	550003	1980004	to	2868.17	2853.06	2881.64
13	120000	480002	600003	2160004	to	3460.14	3462.33	3451.99
14	130000	520002	650003	2340004	to		to	to

Table 208: *or*2-pyr1seq-picosat

5.5 pyr3seq

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	74	111	412	0.00	0.00	0.00	0.00
2	2500	45002	67503	255004	1.26	1.43	1.34	1.09
3	5000	90002	135003	510004	2.16	2.75	2.49	2.47
4	7500	135002	202503	765004	2.98	4.04	4.32	4.08
5	10000	180002	270003	1020004	4.02	5.98	5.75	5.65
6	12500	225002	337503	1275004	4.72	6.91	6.94	8.21
7	15000	270002	405003	1530004	6.44	9.03	8.80	10.23
8	17500	315002	472503	1785004	6.76	10.40	10.42	9.84
9	20000	360002	540003	2040004	8.28	11.39	11.45	11.55
10	22500	405002	607503	2295004	8.92	12.99	13.20	13.10
11	25000	450002	675003	2550004	9.77	16.00	15.87	16.46
12	27500	495002	742503	2805004	10.91	19.02	18.94	19.32
13	30000	540002	810003	3060004	12.06	20.65	20.93	20.63
14	32500	585002	877503	3315004	12.54	21.69	21.63	22.02
15	35000	630002	945003	3570004	12.41	23.59	23.61	23.32
16	37500	675002	1012503	3825004	14.14	25.67	25.84	25.60
17	40000	720002	1080003	4080004	14.98	26.87	26.78	27.06
18	42500	765002	1147503	4335004	15.75	28.09	28.18	28.19
19	45000	810002	1215003	4590004	16.48	30.96	30.83	30.81
20	47500	855002	1282503	4845004	17.73	32.22	32.51	32.46
21	50000	900002	1350003	5100004	17.88	34.44	34.65	34.40
22	52500	945002	1417503	5355004	18.48	35.79	35.73	35.57
23	55000	990002	1485003	5610004	19.55	36.56	36.79	37.32
24	57500	1035002	1552503	5865004	20.32	39.38	39.14	39.07
25	60000	1080002	1620003	6120004	20.88	40.83	41.08	40.86
26	62500	1125002	1687503	6375004	21.75	42.49	42.17	42.49

27	65000	1170002	1755003	6630004	22.34	43.72	43.70	44.40
28	67500	1215002	1822503	6885004	23.58	45.70	45.57	45.34
29	70000	1260002	1890003	7140004	23.89	47.71	47.65	47.66
30	72500	1305002	1957503	7395004	25.14	48.90	49.05	49.24
31	75000	1350002	2025003	7650004	25.60	51.02	50.98	50.63
32	77500	1395002	2092503	7905004	26.24	52.39	52.05	52.14
33	80000	1440002	2160003	8160004	26.89	52.47	52.45	53.50
34	82500	1485002	2227503	8415004	27.40	55.69	55.47	55.52
35	85000	1530002	2295003	8670004	28.34	56.97	56.95	57.32
36	87500	1575002	2362503	8925004	29.06	58.71	58.46	58.61
37	90000	1620002	2430003	9180004	29.82	59.39	59.43	59.68
38	92500	1665002	2497503	9435004	30.93	62.22	62.04	61.47
39	95000	1710002	2565003	9690004	31.45	63.51	63.35	64.20
40	97500	1755002	2632503	9945004	32.15	65.53	64.97	64.91
41	100000	1800002	2700003	10200004	32.46	66.94	66.95	66.99

Table 209: *or*2-pyr3seq-lingeling

♯	**par**	**vars**	**clauses**	**literals**	**C**	**R1**	**R2**	**R3**
1	4	74	111	412	0.00	0.00	0.00	0.00
2	2500	45002	67503	255004	4.55	11.48	11.31	12.60
3	5000	90002	135003	510004	22.46	52.49	53.52	53.98
4	7500	135002	202503	765004	60.61	139.60	137.55	142.58
5	10000	180002	270003	1020004	106.57	257.06	263.00	221.42
6	12500	225002	337503	1275004	191.20	348.53	348.81	467.34
7	15000	270002	405003	1530004	264.03	668.13	667.00	603.82
8	17500	315002	472503	1785004	372.53	677.64	681.50	834.35
9	20000	360002	540003	2040004	594.76	1141.11	1143.97	1035.53
10	22500	405002	607503	2295004	647.04	1306.17	1369.50	1164.30
11	25000	450002	675003	2550004	821.41	1634.48	1630.62	1593.83
12	27500	495002	742503	2805004	1041.79	1899.38	1935.42	2090.34
13	30000	540002	810003	3060004	1278.99	2453.38	2534.03	2363.74
14	32500	585002	877503	3315004	1785.30	2626.44	2628.96	2979.75
15	35000	630002	945003	3570004	1811.70	3051.24	3096.86	3385.20
16	37500	675002	1012503	3825004	2057.84	3260.43	3314.19	to
17	40000	720002	1080003	4080004		to	to	to

Table 210: *or*2-pyr3seq-minisatcore

♯	**par**	**vars**	**clauses**	**literals**	**C**	**R1**	**R2**	**R3**
1	4	74	111	412	0.00	0.00	0.00	0.00
2	2500	45002	67503	255004	0.28	0.38	0.37	0.38
3	5000	90002	135003	510004	0.60	0.87	0.56	0.56
4	7500	135002	202503	765004	0.92	0.95	0.95	0.95
5	10000	180002	270003	1020004	0.75	1.39	1.60	1.51
6	12500	225002	337503	1275004	0.94	1.89	1.81	1.88
7	15000	270002	405003	1530004	1.42	2.35	2.47	2.28
8	17500	315002	472503	1785004	1.56	2.78	3.02	2.89
9	20000	360002	540003	2040004	1.80	3.12	3.24	3.31
10	22500	405002	607503	2295004	1.99	3.80	3.87	3.83
11	25000	450002	675003	2550004	2.32	4.26	4.25	4.21
12	27500	495002	742503	2805004	2.41	4.74	4.67	4.56
13	30000	540002	810003	3060004	2.54	5.06	5.11	4.96
14	32500	585002	877503	3315004	2.97	5.61	5.70	5.73
15	35000	630002	945003	3570004	2.91	5.98	6.07	6.14
16	37500	675002	1012503	3825004	3.37	6.56	6.57	6.65
17	40000	720002	1080003	4080004	3.25	7.28	7.08	7.15
18	42500	765002	1147503	4335004	3.52	7.72	7.42	7.67
19	45000	810002	1215003	4590004	4.08	7.91	8.17	7.89
20	47500	855002	1282503	4845004	4.23	8.48	8.69	8.71

21	50000	900002	1350003	5100004	4.03	9.20	8.96	8.94
22	52500	945002	1417503	5355004	4.74	9.63	9.50	9.73
23	55000	990002	1485003	5610004	4.55	10.11	10.38	9.98
24	57500	1035002	1552503	5865004	4.86	10.52	10.66	10.53
25	60000	1080002	1620003	6120004	5.17	11.19	11.13	11.25
26	62500	1125002	1687503	6375004	5.47	11.84	11.87	11.68
27	65000	1170002	1755003	6630004	5.53	12.15	12.32	12.33
28	67500	1215002	1822503	6885004	5.80	12.84	12.76	12.62
29	70000	1260002	1890003	7140004	5.92	13.40	13.43	13.25
30	72500	1305002	1957503	7395004	6.18	13.97	13.77	14.17
31	75000	1350002	2025003	7650004	6.46	14.64	14.52	14.56
32	77500	1395002	2092503	7905004	6.77	15.01	14.85	14.81
33	80000	1440002	2160003	8160004	6.77	15.64	15.53	15.51
34	82500	1485002	2227503	8415004	7.27	15.90	16.20	16.19
35	85000	1530002	2295003	8670004	7.51	16.75	16.55	16.56
36	87500	1575002	2362503	8925004	7.92	17.30	17.23	17.08
37	90000	1620002	2430003	9180004	7.70	17.82	17.84	17.71
38	92500	1665002	2497503	9435004	7.99	18.42	18.40	18.35
39	95000	1710002	2565003	9690004	8.06	18.74	18.80	19.00
40	97500	1755002	2632503	9945004	8.71	19.64	19.59	19.51
41	100000	1800002	2700003	10200004	9.07	19.88	20.00	19.82

Table 211: *or*2-pyr3seq-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	74	111	412	0.00	0.00	0.00	0.00
2	2500	45002	67503	255004	54.91	18.07	18.04	16.83
3	5000	90002	135003	510004	181.29	79.10	78.90	79.45
4	7500	135002	202503	765004	521.24	192.19	191.16	198.02
5	10000	180002	270003	1020004	935.15	371.38	370.06	371.69
6	12500	225002	337503	1275004	1538.31	579.92	586.63	585.41
7	15000	270002	405003	1530004	2028.34	847.69	850.90	849.61
8	17500	315002	472503	1785004	3260.67	1203.68	1208.29	1201.58
9	20000	360002	540003	2040004	to	1631.57	1625.65	1602.32
10	22500	405002	607503	2295004	to	2033.91	2081.51	2081.35
11	25000	450002	675003	2550004	to	2586.54	2598.99	2578.86
12	27500	495002	742503	2805004	to	3228.64	3226.48	3152.61
13	30000	540002	810003	3060004	to	to	to	

Table 212: *or*2-pyr3seq-picosat

5.6 pyr5seq

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	162	263	1004	0.00	0.00	0.00	0.00
2	1000	40002	65003	250004	0.86	1.24	1.22	1.26
3	2000	80002	130003	500004	1.71	2.77	2.74	2.80
4	3000	120002	195003	750004	2.83	4.40	4.38	4.26
5	4000	160002	260003	1000004	3.88	6.20	6.20	6.43
6	5000	200002	325003	1250004	5.29	8.33	8.28	8.40
7	6000	240002	390003	1500004	6.36	9.99	10.01	9.83
8	7000	280002	455003	1750004	6.96	11.89	11.87	12.02
9	8000	320002	520003	2000004	7.89	13.63	13.50	13.43
10	9000	360002	585003	2250004	8.77	15.55	15.60	15.36
11	10000	400002	650003	2500004	9.80	16.60	16.62	16.97
12	11000	440002	715003	2750004	11.37	18.07	18.15	18.83
13	12000	480002	780003	3000004	11.65	20.45	20.51	20.87
14	13000	520002	845003	3250004	12.36	22.24	22.21	22.59
15	14000	560002	910003	3500004	13.07	23.21	23.15	23.89
16	15000	600002	975003	3750004	14.04	25.81	25.75	25.46

17	16000	640002	1040003	4000004	14.60	25.44	25.53	26.76
18	17000	680002	1105003	4250004	15.32	28.07	28.13	28.30
19	18000	720002	1170003	4500004	16.06	29.72	29.68	30.21
20	19000	760002	1235003	4750004	16.96	31.55	31.52	32.15
21	20000	800002	1300003	5000004	17.73	33.24	33.15	33.69
22	21000	840002	1365003	5250004	18.41	33.40	33.35	35.04
23	22000	880002	1430003	5500004	18.90	36.74	36.53	35.52
24	23000	920002	1495003	5750004	20.02	38.09	38.02	38.54
25	24000	960002	1560003	6000004	20.51	39.48	39.48	40.15
26	25000	1000002	1625003	6250004	21.40	41.66	41.75	41.59
27	26000	1040002	1690003	6500004	21.94	40.36	40.50	41.60
28	27000	1080002	1755003	6750004	22.96	44.09	44.10	44.30
29	28000	1120002	1820003	7000004	23.71	46.94	46.94	45.96
30	29000	1160002	1885003	7250004	24.43	47.41	47.37	46.62
31	30000	1200002	1950003	7500004	25.09	49.77	49.62	49.70
32	31000	1240002	2015003	7750004	25.72	51.08	50.99	50.02
33	32000	1280002	2080003	8000004	26.51	52.97	53.00	51.55
34	33000	1320002	2145003	8250004	27.02	53.42	53.42	51.00
35	34000	1360002	2210003	8500004	27.97	52.70	52.61	54.69
36	35000	1400002	2275003	8750004	28.78	57.17	57.14	58.08
37	36000	1440002	2340003	9000004	29.23	59.27	59.37	58.91
38	37000	1480002	2405003	9250004	29.90	59.14	59.25	60.31
39	38000	1520002	2470003	9500004	30.71	60.80	60.81	60.96
40	39000	1560002	2535003	9750004	31.33	62.88	62.89	62.81
41	40000	1600002	2600003	10000004	31.93	64.69	64.84	65.82
42	41000	1640002	2665003	10250004	32.89	66.36	66.37	67.28
43	42000	1680002	2730003	10500004	33.56	68.24	68.14	68.19
44	43000	1720002	2795003	10750004	34.12	69.13	69.10	70.27
45	44000	1760002	2860003	11000004	34.86	71.96	71.95	70.99
46	45000	1800002	2925003	11250004	35.60	67.92	67.89	73.53
47	46000	1840002	2990003	11500004	36.06	73.87	73.73	75.02
48	47000	1880002	3055003	11750004	36.85	76.84	76.75	75.69
49	48000	1920002	3120003	12000004	37.58	78.56	78.59	77.65
50	49000	1960002	3185003	12250004	38.20	79.87	79.49	79.58
51	50000	2000002	3250003	12500004	38.99	77.67	77.63	81.24

Table 213: *or*2-pyr5seq-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	162	263	1004	0.00	0.00	0.00	0.00
2	1000	40002	65003	250004	6.46	8.39	8.42	9.11
3	2000	80002	130003	500004	15.63	25.83	25.90	27.43
4	3000	120002	195003	750004	40.22	66.13	66.36	71.50
5	4000	160002	260003	1000004	88.13	152.22	152.57	143.20
6	5000	200002	325003	1250004	125.18	229.89	234.11	222.94
7	6000	240002	390003	1500004	209.73	361.30	360.98	309.08
8	7000	280002	455003	1750004	285.94	462.32	463.49	446.74
9	8000	320002	520003	2000004	372.34	664.11	664.77	729.73
10	9000	360002	585003	2250004	511.13	814.12	811.78	916.61
11	10000	400002	650003	2500004	606.16	1018.97	1019.78	967.57
12	11000	440002	715003	2750004	827.14	1195.00	1569.65	1217.52
13	12000	480002	780003	3000004	1031.50	1381.76	1382.85	1403.68
14	13000	520002	845003	3250004	1114.03	1709.06	1712.28	1723.69
15	14000	560002	910003	3500004	1502.25	2071.51	2366.29	2083.89
16	15000	600002	975003	3750004	1608.29	2102.38	2098.57	2337.15
17	16000	640002	1040003	4000004	2003.58	2542.58	2572.20	2717.88
18	17000	680002	1105003	4250004	2174.39	3110.32	3114.76	3061.09
19	18000	720002	1170003	4500004	2321.92	to	to	to

Table 214: *or*2-pyr5seq-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	162	263	1004	0.00	0.00	0.00	0.00
2	1000	40002	65003	250004	0.15	0.20	0.20	0.20
3	2000	80002	130003	500004	0.31	0.51	0.50	0.51
4	3000	120002	195003	750004	0.48	0.83	0.82	0.85
5	4000	160002	260003	1000004	0.64	1.19	1.23	1.22
6	5000	200002	325003	1250004	0.81	1.57	1.60	1.59
7	6000	240002	390003	1500004	1.01	2.02	1.94	2.00
8	7000	280002	455003	1750004	1.19	2.41	2.42	2.40
9	8000	320002	520003	2000004	1.37	2.80	2.83	2.87
10	9000	360002	585003	2250004	1.59	3.26	3.24	3.27
11	10000	400002	650003	2500004	1.67	3.70	3.74	3.65
12	11000	440002	715003	2750004	1.86	4.17	4.18	4.15
13	12000	480002	780003	3000004	2.10	4.58	4.60	4.58
14	13000	520002	845003	3250004	2.24	4.98	4.99	4.99
15	14000	560002	910003	3500004	2.48	5.43	5.44	5.46
16	15000	600002	975003	3750004	2.68	5.92	5.86	5.98
17	16000	640002	1040003	4000004	2.86	6.43	6.41	6.38
18	17000	680002	1105003	4250004	3.02	6.86	6.89	6.87
19	18000	720002	1170003	4500004	3.18	7.36	7.40	7.35
20	19000	760002	1235003	4750004	3.43	7.85	7.86	7.80
21	20000	800002	1300003	5000004	3.56	8.33	8.29	8.37
22	21000	840002	1365003	5250004	3.77	8.78	8.79	8.82
23	22000	880002	1430003	5500004	3.84	9.14	9.29	9.23
24	23000	920002	1495003	5750004	4.16	9.70	9.65	9.67
25	24000	960002	1560003	6000004	4.29	10.16	10.10	10.26
26	25000	1000002	1625003	6250004	4.51	10.59	10.59	10.68
27	26000	1040002	1690003	6500004	4.71	11.15	11.02	11.17
28	27000	1080002	1755003	6750004	4.89	11.71	11.67	11.63
29	28000	1120002	1820003	7000004	5.05	12.19	12.12	12.14
30	29000	1160002	1885003	7250004	5.36	12.69	12.63	12.60
31	30000	1200002	1950003	7500004	5.52	13.13	13.16	13.24
32	31000	1240002	2015003	7750004	5.69	13.73	13.71	13.69
33	32000	1280002	2080003	8000004	5.82	14.12	14.15	14.21
34	33000	1320002	2145003	8250004	6.01	14.75	14.74	14.78
35	34000	1360002	2210003	8500004	6.35	15.24	15.28	15.16
36	35000	1400002	2275003	8750004	6.58	15.84	15.72	15.70
37	36000	1440002	2340003	9000004	6.70	16.21	16.23	16.29
38	37000	1480002	2405003	9250004	6.86	16.73	16.72	16.80
39	38000	1520002	2470003	9500004	6.93	17.25	17.40	17.23
40	39000	1560002	2535003	9750004	7.27	17.82	17.74	17.78
41	40000	1600002	2600003	10000004	7.49	18.38	18.38	18.36
42	41000	1640002	2665003	10250004	7.54	18.98	18.78	18.85
43	42000	1680002	2730003	10500004	7.80	19.45	19.41	19.53
44	43000	1720002	2795003	10750004	7.96	19.97	19.97	19.80
45	44000	1760002	2860003	11000004	8.04	20.42	20.44	20.51
46	45000	1800002	2925003	11250004	8.39	20.92	20.99	21.01
47	46000	1840002	2990003	11500004	8.48	21.38	21.49	21.54
48	47000	1880002	3055003	11750004	8.75	22.01	22.05	21.95
49	48000	1920002	3120003	12000004	8.84	22.54	22.49	22.54
50	49000	1960002	3185003	12250004	9.03	22.98	23.02	22.97
51	50000	2000002	3250003	12500004	9.27	23.55	23.53	23.49

Table 215: *or*2-pyr5seq-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	162	263	1004	0.00	0.00	0.00	0.00
2	1000	40002	65003	250004	13.34	13.64	13.66	13.01
3	2000	80002	130003	500004	55.01	66.05	66.37	65.21
4	3000	120002	195003	750004	129.64	161.51	161.24	162.25
5	4000	160002	260003	1000004	234.98	289.17	289.67	299.81

6	5000	200002	325003	1250004	370.31	491.23	496.80	484.62
7	6000	240002	390003	1500004	575.48	727.69	727.55	735.92
8	7000	280002	455003	1750004	793.97	1006.05	1005.83	998.94
9	8000	320002	520003	2000004	1071.36	1327.73	1329.61	1309.48
10	9000	360002	585003	2250004	1367.63	1729.88	1730.73	1706.54
11	10000	400002	650003	2500004	1687.21	2154.74	2155.18	2137.41
12	11000	440002	715003	2750004	2063.95	2644.66	2651.12	2645.24
13	12000	480002	780003	3000004	2536.62	3336.03	3278.59	3277.28
14	13000	520002	845003	3250004	2902.14	to	to	to

Table 216: *or*2-pyr5seq-picosat

5.7 pyramid

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	12	17	56	0.00	0.00	0.00	0.00
2	4	30	47	172	0.00	0.00	0.00	0.00
3	6	56	93	352	0.00	0.00	0.00	0.00
4	8	90	155	596	0.00	0.00	0.00	0.00
5	10	132	233	904	0.00	0.00	0.00	0.00
6	12	182	327	1276	0.00	0.01	0.01	0.01
7	14	240	437	1712	0.01	0.01	0.01	0.01
8	16	306	563	2212	0.01	0.01	0.01	0.01
9	18	380	705	2776	0.01	0.02	0.02	0.01
10	20	462	863	3404	0.02	0.00	0.02	0.02
11	22	552	1037	4096	0.01	0.01	0.01	0.01
12	24	650	1227	4852	0.01	0.01	0.01	0.02
13	26	756	1433	5672	0.02	0.01	0.02	0.02
14	28	870	1655	6556	0.02	0.02	0.02	0.02
15	30	992	1893	7504	0.02	0.03	0.03	0.03
16	32	1122	2147	8516	0.04	0.03	0.03	0.03
17	34	1260	2417	9592	0.03	0.05	0.02	0.03
18	36	1406	2703	10732	0.06	0.06	0.04	0.04
19	38	1560	3005	11936	0.07	0.04	0.04	0.05
20	40	1722	3323	13204	0.03	0.05	0.05	0.05
21	42	1892	3657	14536	0.05	0.05	0.05	0.06
22	44	2070	4007	15932	0.04	0.07	0.05	0.06
23	46	2256	4373	17392	0.06	0.06	0.06	0.07
24	48	2450	4755	18916	0.06	0.07	0.07	0.07
25	50	2652	5153	20504	0.12	0.08	0.08	0.08
26	52	2862	5567	22156	0.07	0.15	0.09	0.12
27	54	3080	5997	23872	0.08	0.15	0.08	0.09
28	56	3306	6443	25652	0.14	0.18	0.09	0.10
29	58	3540	6905	27496	0.16	0.11	0.11	0.11
30	60	3782	7383	29404	0.10	0.13	0.12	0.12
31	62	4032	7877	31376	0.18	0.13	0.13	0.13
32	64	4290	8387	33412	0.19	0.13	0.12	0.18
33	66	4556	8913	35512	0.12	0.22	0.13	0.14
34	68	4830	9455	37676	0.13	0.15	0.15	0.14
35	70	5112	10013	39904	0.12	0.16	0.16	0.16
36	72	5402	10587	42196	0.14	0.17	0.17	0.16
37	74	5700	11177	44552	0.26	0.18	0.18	0.18
38	76	6006	11783	46972	0.27	0.19	0.33	0.18
39	78	6320	12405	49456	0.29	0.21	0.19	0.18
40	80	6642	13043	52004	0.20	0.31	0.21	0.21
41	82	6972	13697	54616	0.32	0.39	0.39	0.23
42	84	7310	14367	57292	0.34	0.28	0.40	0.31
43	86	7656	15053	60032	0.21	0.25	0.25	0.24
44	88	8010	15755	62836	0.21	0.26	0.26	0.25
45	90	8372	16473	65704	0.22	0.45	0.26	0.27
46	92	8742	17207	68636	0.23	0.49	0.29	0.48

47	94	9120	17957	71632	0.41	0.30	0.30	0.49
48	96	9506	18723	74692	0.25	0.30	0.52	0.32
49	98	9900	19505	77816	0.26	0.32	0.32	0.55
50	100	10302	20303	81004	0.30	0.59	0.55	0.33
51	105	11342	22368	89254	0.30	0.37	0.64	0.63
52	110	12432	24533	97904	0.58	0.41	0.41	0.43
53	115	13572	26798	106954	0.58	0.46	0.46	0.47
54	120	14762	29163	116404	0.67	0.50	0.48	0.51
55	125	16002	31628	126254	0.43	0.78	0.55	0.54
56	130	17292	34193	136504	0.79	0.95	0.66	0.59
57	135	18632	36858	147154	0.74	0.99	0.64	0.83
58	140	20022	39623	158204	0.58	0.70	0.70	0.70
59	145	21462	42488	169654	0.71	0.73	0.72	0.73
60	150	22952	45453	181504	0.87	1.11	1.15	0.79
61	155	24492	48518	193754	0.93	0.84	0.83	0.84
62	160	26082	51683	206404	0.71	0.87	0.90	1.22
63	165	27722	54948	219454	1.03	0.96	0.97	0.97
64	170	29412	58313	232904	1.03	1.05	1.38	1.04
65	175	31152	61778	246754	1.09	1.08	1.32	1.07
66	180	32942	65343	261004	1.14	1.42	1.17	1.15
67	185	34782	69008	275654	0.98	1.24	1.51	1.22
68	190	36672	72773	290704	1.07	1.33	1.33	1.53
69	195	38612	76638	306154	1.15	1.56	1.38	1.44
70	200	40602	80603	322004	1.51	1.49	1.49	1.47
71	205	42642	84668	338254	1.38	1.61	1.58	1.58
72	210	44732	88833	354904	1.28	1.65	1.65	1.66
73	215	46872	93098	371954	1.57	1.72	1.76	1.75
74	220	49062	97463	389404	1.68	2.11	1.80	1.85
75	225	51302	101928	407254	1.61	2.18	1.96	1.96
76	230	53592	106493	425504	1.65	2.05	2.39	2.37
77	235	55932	111158	444154	1.64	2.34	2.16	2.16
78	240	58322	115923	463204	1.73	2.32	2.32	2.27
79	245	60762	120788	482654	2.11	2.44	2.68	2.69
80	250	63252	125753	502504	2.11	2.52	2.47	2.48
81	255	65792	130818	522754	2.28	2.95	2.63	2.65
82	260	68382	135983	543404	2.41	2.80	3.03	2.76
83	265	71022	141248	564454	2.17	2.95	2.93	2.94
84	270	73712	146613	585904	2.52	3.04	3.04	3.04
85	275	76452	152078	607754	2.46	3.15	3.18	3.18
86	280	79242	157643	630004	2.33	3.34	3.32	3.53
87	285	82082	163308	652654	2.53	3.48	3.62	3.52
88	290	84972	169073	675704	2.69	3.66	3.92	3.60
89	295	87912	174938	699154	2.78	3.86	3.80	3.80
90	300	90902	180903	723004	3.24	3.95	4.26	3.93
91	305	93942	186968	747254	3.08	4.15	4.30	4.12
92	310	97032	193133	771904	3.20	4.25	4.28	4.29
93	315	100172	199398	796954	3.04	4.58	4.38	4.45
94	320	103362	205763	822404	3.19	4.54	4.54	4.57
95	325	106602	212228	848254	3.52	4.77	4.79	4.86
96	330	109892	218793	874504	3.56	5.09	4.97	4.92
97	335	113232	225458	901154	3.71	5.10	5.17	5.15
98	340	116622	232223	928204	3.93	5.38	5.38	5.36
99	345	120062	239088	955654	4.18	5.56	5.60	5.63
100	350	123552	246053	983504	4.04	5.77	5.77	5.81
101	355	127092	253118	1011754	4.24	5.91	5.93	5.96
102	360	130682	260283	1040404	4.46	6.21	6.21	6.41
103	365	134322	267548	1069454	4.52	6.35	6.36	6.59
104	370	138012	274913	1098904	4.70	6.60	6.60	6.65
105	375	141752	282378	1128754	4.87	6.83	6.85	6.83
106	380	145542	289943	1159004	5.26	7.30	7.25	7.03
107	385	149382	297608	1189654	5.10	7.29	7.28	7.28
108	390	153272	305373	1220704	4.85	7.46	7.47	7.48

109	395	157212	313238	1252154	5.45	7.92	7.82	7.78
110	400	161202	321203	1284004	5.73	8.27	8.11	7.98
111	405	165242	329268	1316254	5.34	8.28	8.27	8.20
112	410	169332	337433	1348904	5.96	8.54	8.49	8.55
113	415	173472	345698	1381954	5.98	8.69	8.74	9.09
114	420	177662	354063	1415404	6.41	9.11	9.03	9.04
115	425	181902	362528	1449254	6.31	9.25	9.52	9.23
116	430	186192	371093	1483504	6.67	9.79	9.58	9.61
117	435	190532	379758	1518154	6.75	9.81	9.82	9.87
118	440	194922	388523	1553204	7.05	10.18	10.10	10.08
119	445	199362	397388	1588654	6.90	10.33	10.41	10.40
120	450	203852	406353	1624504	7.31	10.68	10.73	10.73
121	455	208392	415418	1660754	7.35	10.90	10.88	10.91
122	460	212982	424583	1697404	7.46	11.13	11.15	11.37
123	465	217622	433848	1734454	7.71	11.61	11.53	11.54
124	470	222312	443213	1771904	7.89	11.77	11.78	11.84
125	475	227052	452678	1809754	8.46	12.14	12.06	12.09
126	480	231842	462243	1848004	8.43	12.43	12.39	12.43
127	485	236682	471908	1886654	8.57	13.05	12.86	12.76
128	490	241572	481673	1925704	8.65	12.76	12.76	12.76
129	495	246512	491538	1965154	8.94	13.27	13.26	13.21
130	500	251502	501503	2005004	9.23	13.50	13.48	13.34
131	525	277202	552828	2210254	10.24	15.03	15.13	15.18
132	550	304152	606653	2425504	10.43	16.29	16.67	16.39
133	575	332352	662978	2650754	11.79	17.52	17.87	17.52
134	600	361802	721803	2886004	12.41	19.22	19.51	19.40
135	625	392502	783128	3131254	13.30	20.84	20.99	20.67
136	650	424452	846953	3386504	14.56	22.74	22.80	22.62
137	675	457652	913278	3651754	15.53	24.56	24.55	24.52
138	700	492102	982103	3927004	16.47	26.24	26.19	26.29
139	725	527802	1053428	4212254	17.32	27.48	27.62	27.25
140	750	564752	1127253	4507504	18.11	29.33	29.09	28.99
141	775	602952	1203578	4812754	19.41	31.12	31.20	31.25
142	800	642402	1282403	5128004	20.30	32.97	33.00	33.03
143	825	683102	1363728	5453254	21.48	34.86	34.96	34.80
144	850	725052	1447553	5788504	22.34	37.38	36.96	37.01
145	875	768252	1533878	6133754	23.78	39.05	38.99	38.83
146	900	812702	1622703	6489004	25.28	41.05	41.06	41.46
147	925	858402	1714028	6854254	26.18	43.38	43.39	43.19
148	950	905352	1807853	7229504	27.30	45.34	45.36	45.31
149	975	953552	1904178	7614754	29.04	47.60	47.57	48.12
150	1000	1003002	2003003	8010004	28.85	48.00	47.85	48.06

Table 217: *or*2-pyramid-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	12	17	56	0.00	0.00	0.00	0.00
2	4	30	47	172	0.00	0.00	0.00	0.00
3	6	56	93	352	0.00	0.00	0.00	0.00
4	8	90	155	596	0.00	0.00	0.00	0.00
5	10	132	233	904	0.00	0.00	0.00	0.00
6	12	182	327	1276	0.00	0.01	0.01	0.01
7	14	240	437	1712	0.01	0.01	0.01	0.01
8	16	306	563	2212	0.02	0.02	0.02	0.01
9	18	380	705	2776	0.02	0.01	0.01	0.01
10	20	462	863	3404	0.04	0.03	0.03	0.03
11	22	552	1037	4096	0.02	0.04	0.04	0.06
12	24	650	1227	4852	0.02	0.03	0.03	0.04
13	26	756	1433	5672	0.04	0.03	0.04	0.04
14	28	870	1655	6556	0.04	0.04	0.03	0.11
15	30	992	1893	7504	0.09	0.08	0.07	0.10

16	32	1122	2147	8516	0.06	0.05	0.05	0.08
17	34	1260	2417	9592	0.17	0.14	0.08	0.08
18	36	1406	2703	10732	0.10	0.13	0.14	0.15
19	38	1560	3005	11936	0.21	0.24	0.14	0.11
20	40	1722	3323	13204	0.23	0.13	0.13	0.13
21	42	1892	3657	14536	0.37	0.20	0.19	0.18
22	44	2070	4007	15932	0.26	0.28	0.26	0.22
23	46	2256	4373	17392	0.24	0.28	0.28	0.22
24	48	2450	4755	18916	0.25	0.29	0.23	0.24
25	50	2652	5153	20504	0.51	0.83	0.91	0.27
26	52	2862	5567	22156	0.46	0.38	0.60	0.47
27	54	3080	5997	23872	0.58	0.53	0.55	0.68
28	56	3306	6443	25652	0.34	0.64	0.60	0.89
29	58	3540	6905	27496	0.65	0.69	0.40	0.44
30	60	3782	7383	29404	0.93	0.69	0.63	0.85
31	62	4032	7877	31376	1.03	0.86	0.64	1.15
32	64	4290	8387	33412	1.03	0.57	0.87	0.99
33	66	4556	8913	35512	0.99	0.77	0.86	1.02
34	68	4830	9455	37676	1.08	0.80	0.93	1.12
35	70	5112	10013	39904	0.83	0.87	1.08	0.93
36	72	5402	10587	42196	1.15	1.43	1.47	0.79
37	74	5700	11177	44552	1.29	1.44	1.46	1.24
38	76	6006	11783	46972	1.42	1.86	2.04	1.33
39	78	6320	12405	49456	1.46	1.54	1.53	1.82
40	80	6642	13043	52004	1.73	1.53	1.75	1.61
41	82	6972	13697	54616	1.28	1.61	1.27	1.74
42	84	7310	14367	57292	1.55	2.43	2.53	2.09
43	86	7656	15053	60032	1.40	2.96	2.64	1.97
44	88	8010	15755	62836	1.66	1.83	1.85	2.31
45	90	8372	16473	65704	1.76	2.27	2.19	2.00
46	92	8742	17207	68636	1.99	1.95	2.03	2.32
47	94	9120	17957	71632	2.43	3.11	3.12	2.39
48	96	9506	18723	74692	1.88	2.40	2.35	2.59
49	98	9900	19505	77816	3.40	2.80	2.54	2.63
50	100	10302	20303	81004	4.15	2.99	2.96	4.09
51	105	11342	22368	89254	2.48	2.80	2.94	3.13
52	110	12432	24533	97904	4.01	2.89	3.24	6.39
53	115	13572	26798	106954	4.22	4.59	4.59	4.13
54	120	14762	29163	116404	5.41	5.37	5.42	4.80
55	125	16002	31628	126254	5.13	5.74	5.52	5.44
56	130	17292	34193	136504	6.42	7.20	7.13	6.64
57	135	18632	36858	147154	7.25	10.54	10.33	7.52
58	140	20022	39623	158204	6.51	7.68	7.82	11.61
59	145	21462	42488	169654	10.95	12.47	12.24	11.52
60	150	22952	45453	181504	8.10	8.85	8.83	12.15
61	155	24492	48518	193754	11.22	14.15	13.75	12.86
62	160	26082	51683	206404	13.91	13.75	13.47	13.30
63	165	27722	54948	219454	13.48	16.46	16.94	16.33
64	170	29412	58313	232904	13.33	15.71	15.32	16.29
65	175	31152	61778	246754	19.36	17.04	17.02	19.63
66	180	32942	65343	261004	16.45	23.83	23.57	16.52
67	185	34782	69008	275654	22.16	24.56	24.42	23.37
68	190	36672	72773	290704	29.21	25.91	25.67	34.56
69	195	38612	76638	306154	21.86	32.62	32.30	26.45
70	200	40602	80603	322004	36.28	33.66	33.54	36.28
71	205	42642	84668	338254	35.04	39.19	39.31	33.36
72	210	44732	88833	354904	39.69	46.41	46.28	42.17
73	215	46872	93098	371954	36.82	45.65	45.32	38.57
74	220	49062	97463	389404	41.57	50.84	50.47	48.54
75	225	51302	101928	407254	45.71	43.28	43.42	50.61
76	230	53592	106493	425504	50.06	59.63	59.53	54.00
77	235	55932	111158	444154	56.25	53.78	54.05	55.48

78	240	58322	115923	463204	61.37	65.12	65.65	76.77
79	245	60762	120788	482654	60.47	82.39	82.87	79.08
80	250	63252	125753	502504	87.10	98.71	98.33	75.61
81	255	65792	130818	522754	74.96	103.37	102.79	81.37
82	260	68382	135983	543404	76.54	109.14	108.68	110.95
83	265	71022	141248	564454	105.82	115.82	116.30	124.49
84	270	73712	146613	585904	123.17	130.94	131.13	100.26
85	275	76452	152078	607754	116.37	130.14	129.59	137.45
86	280	79242	157643	630004	137.15	152.07	153.68	140.87
87	285	82082	163308	652654	142.70	145.87	144.30	163.30
88	290	84972	169073	675704	141.35	166.14	167.60	192.90
89	295	87912	174938	699154	149.64	177.51	175.91	176.05
90	300	90902	180903	723004	172.01	195.21	194.98	181.10
91	305	93942	186968	747254	199.00	213.40	213.57	211.27
92	310	97032	193133	771904	198.58	246.99	248.51	237.31
93	315	100172	199398	796954	209.92	248.03	251.07	249.08
94	320	103362	205763	822404	224.66	270.92	273.01	297.44
95	325	106602	212228	848254	231.09	278.49	276.55	287.51
96	330	109892	218793	874504	283.33	315.63	315.60	344.79
97	335	113232	225458	901154	260.37	396.82	396.52	335.59
98	340	116622	232223	928204	379.46	371.27	369.33	412.65
99	345	120062	239088	955654	363.39	434.53	433.68	356.36
100	350	123552	246053	983504	368.31	395.62	395.10	447.32
101	355	127092	253118	1011754	379.99	475.56	481.33	507.89
102	360	130682	260283	1040404	498.79	504.59	501.76	514.06
103	365	134322	267548	1069454	409.86	594.99	592.31	570.79
104	370	138012	274913	1098904	497.42	587.28	588.04	600.45
105	375	141752	282378	1128754	567.02	607.74	607.07	580.46
106	380	145542	289943	1159004	587.84	645.19	652.57	646.38
107	385	149382	297608	1189654	597.28	675.07	675.07	695.24
108	390	153272	305373	1220704	597.98	774.04	775.89	685.48
109	395	157212	313238	1252154	724.85	793.49	785.28	764.06
110	400	161202	321203	1284004	678.54	837.55	839.78	845.64
111	405	165242	329268	1316254	719.54	918.41	916.96	925.64
112	410	169332	337433	1348904	772.72	1052.20	1054.35	971.01
113	415	173472	345698	1381954	836.78	1113.72	1107.31	1103.35
114	420	177662	354063	1415404	860.81	1095.16	1098.06	1131.49
115	425	181902	362528	1449254	943.13	1119.38	1109.19	1116.22
116	430	186192	371093	1483504	1042.81	1156.92	1152.85	1166.43
117	435	190532	379758	1518154	1091.93	1299.42	1309.87	1242.12
118	440	194922	388523	1553204	1170.90	1353.67	1356.11	1335.14
119	445	199362	397388	1588654	1356.32	1401.04	1390.55	1587.66
120	450	203852	406353	1624504	1401.61	1465.55	1460.77	1483.51
121	455	208392	415418	1660754	1518.70	1753.78	1737.62	1728.10
122	460	212982	424583	1697404	1495.35	1823.06	1740.65	1773.90
123	465	217622	433848	1734454	1564.16	1941.18	1955.37	1946.67
124	470	222312	443213	1771904	1714.41	2014.90	2007.60	1885.62
125	475	227052	452678	1809754	1904.86	2045.61	2064.16	1956.51
126	480	231842	462243	1848004	1958.19	2125.44	2133.44	2072.12
127	485	236682	471908	1886654	2047.12	2372.31	2374.09	2242.20
128	490	241572	481673	1925704	1720.56	2399.74	2396.92	2434.97
129	495	246512	491538	1965154	2152.95	2458.51	2563.06	2560.75
130	500	251502	501503	2005004	2491.13	2567.24	2566.99	2904.97
131	525	277202	552828	2210254	2993.21	to	to	3431.86
132	550	304152	606653	2425504	to	to	to	

Table 218: *or*2-pyramid-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	12	17	56	0.00	0.00	0.00	0.00
2	4	30	47	172	0.00	0.00	0.00	0.00

3	6	56	93	352	0.00	0.00	0.00	0.00
4	8	90	155	596	0.00	0.00	0.00	0.00
5	10	132	233	904	0.00	0.00	0.00	0.00
6	12	182	327	1276	0.00	0.00	0.00	0.00
7	14	240	437	1712	0.00	0.00	0.00	0.00
8	16	306	563	2212	0.00	0.00	0.00	0.00
9	18	380	705	2776	0.00	0.00	0.00	0.00
10	20	462	863	3404	0.00	0.00	0.00	0.00
11	22	552	1037	4096	0.00	0.00	0.00	0.00
12	24	650	1227	4852	0.00	0.00	0.00	0.00
13	26	756	1433	5672	0.00	0.00	0.00	0.00
14	28	870	1655	6556	0.00	0.00	0.00	0.00
15	30	992	1893	7504	0.00	0.00	0.00	0.00
16	32	1122	2147	8516	0.00	0.00	0.00	0.00
17	34	1260	2417	9592	0.00	0.01	0.00	0.00
18	36	1406	2703	10732	0.00	0.01	0.01	0.00
19	38	1560	3005	11936	0.00	0.01	0.00	0.00
20	40	1722	3323	13204	0.01	0.00	0.00	0.00
21	42	1892	3657	14536	0.01	0.00	0.00	0.00
22	44	2070	4007	15932	0.01	0.01	0.01	0.01
23	46	2256	4373	17392	0.00	0.01	0.01	0.01
24	48	2450	4755	18916	0.01	0.02	0.02	0.01
25	50	2652	5153	20504	0.01	0.01	0.02	0.01
26	52	2862	5567	22156	0.01	0.00	0.02	0.02
27	54	3080	5997	23872	0.00	0.02	0.02	0.01
28	56	3306	6443	25652	0.02	0.01	0.01	0.01
29	58	3540	6905	27496	0.01	0.02	0.01	0.02
30	60	3782	7383	29404	0.01	0.01	0.02	0.01
31	62	4032	7877	31376	0.01	0.02	0.02	0.02
32	64	4290	8387	33412	0.01	0.02	0.03	0.01
33	66	4556	8913	35512	0.01	0.02	0.02	0.02
34	68	4830	9455	37676	0.03	0.02	0.04	0.02
35	70	5112	10013	39904	0.02	0.02	0.02	0.01
36	72	5402	10587	42196	0.01	0.02	0.02	0.02
37	74	5700	11177	44552	0.03	0.02	0.02	0.02
38	76	6006	11783	46972	0.02	0.03	0.03	0.03
39	78	6320	12405	49456	0.02	0.03	0.03	0.03
40	80	6642	13043	52004	0.02	0.02	0.03	0.03
41	82	6972	13697	54616	0.02	0.03	0.03	0.03
42	84	7310	14367	57292	0.01	0.06	0.03	0.03
43	86	7656	15053	60032	0.01	0.06	0.03	0.06
44	88	8010	15755	62836	0.03	0.04	0.04	0.02
45	90	8372	16473	65704	0.04	0.04	0.04	0.04
46	92	8742	17207	68636	0.02	0.04	0.04	0.04
47	94	9120	17957	71632	0.02	0.06	0.07	0.07
48	96	9506	18723	74692	0.02	0.03	0.07	0.02
49	98	9900	19505	77816	0.02	0.05	0.05	0.05
50	100	10302	20303	81004	0.06	0.08	0.06	0.07
51	105	11342	22368	89254	0.04	0.10	0.05	0.05
52	110	12432	24533	97904	0.04	0.06	0.06	0.06
53	115	13572	26798	106954	0.05	0.06	0.07	0.07
54	120	14762	29163	116404	0.05	0.07	0.13	0.07
55	125	16002	31628	126254	0.06	0.14	0.07	0.07
56	130	17292	34193	136504	0.05	0.08	0.07	0.09
57	135	18632	36858	147154	0.07	0.08	0.16	0.16
58	140	20022	39623	158204	0.08	0.11	0.18	0.11
59	145	21462	42488	169654	0.08	0.11	0.11	0.12
60	150	22952	45453	181504	0.09	0.12	0.12	0.13
61	155	24492	48518	193754	0.09	0.14	0.13	0.22
62	160	26082	51683	206404	0.17	0.14	0.15	0.24
63	165	27722	54948	219454	0.12	0.24	0.25	0.16
64	170	29412	58313	232904	0.12	0.16	0.16	0.16

65	175	31152	61778	246754	0.12	0.29	0.19	0.19
66	180	32942	65343	261004	0.21	0.18	0.18	0.18
67	185	34782	69008	275654	0.13	0.27	0.21	0.19
68	190	36672	72773	290704	0.14	0.22	0.23	0.36
69	195	38612	76638	306154	0.15	0.37	0.23	0.25
70	200	40602	80603	322004	0.16	0.26	0.25	0.26
71	205	42642	84668	338254	0.15	0.26	0.42	0.28
72	210	44732	88833	354904	0.18	0.27	0.27	0.27
73	215	46872	93098	371954	0.17	0.31	0.30	0.29
74	220	49062	97463	389404	0.19	0.41	0.32	0.32
75	225	51302	101928	407254	0.22	0.35	0.37	0.32
76	230	53592	106493	425504	0.21	0.34	0.36	0.48
77	235	55932	111158	444154	0.22	0.53	0.60	0.39
78	240	58322	115923	463204	0.24	0.40	0.41	0.43
79	245	60762	120788	482654	0.42	0.64	0.57	0.45
80	250	63252	125753	502504	0.26	0.67	0.70	0.46
81	255	65792	130818	522754	0.43	0.48	0.50	0.47
82	260	68382	135983	543404	0.47	0.53	0.69	0.81
83	265	71022	141248	564454	0.29	0.53	0.74	0.69
84	270	73712	146613	585904	0.48	0.57	0.59	0.55
85	275	76452	152078	607754	0.32	0.63	0.61	0.80
86	280	79242	157643	630004	0.31	0.65	0.62	0.64
87	285	82082	163308	652654	0.32	0.69	0.88	0.66
88	290	84972	169073	675704	0.36	0.68	0.85	0.72
89	295	87912	174938	699154	0.36	0.73	0.86	0.71
90	300	90902	180903	723004	0.38	0.77	0.76	0.77
91	305	93942	186968	747254	0.41	0.79	0.79	0.77
92	310	97032	193133	771904	0.41	0.81	0.80	0.84
93	315	100172	199398	796954	0.41	0.81	0.85	0.82
94	320	103362	205763	822404	0.44	0.88	0.85	0.91
95	325	106602	212228	848254	0.47	0.93	0.93	0.95
96	330	109892	218793	874504	0.47	1.07	1.16	1.12
97	335	113232	225458	901154	0.49	1.08	1.24	1.15
98	340	116622	232223	928204	0.76	1.07	1.01	1.18
99	345	120062	239088	955654	0.81	1.30	1.31	1.11
100	350	123552	246053	983504	0.81	1.32	1.21	1.12
101	355	127092	253118	1011754	0.57	1.17	1.28	1.32
102	360	130682	260283	1040404	0.56	1.18	1.35	1.35
103	365	134322	267548	1069454	0.83	1.46	1.36	1.43
104	370	138012	274913	1098904	0.82	1.41	1.32	1.39
105	375	141752	282378	1128754	0.91	1.39	1.47	1.48
106	380	145542	289943	1159004	0.68	1.49	1.52	1.47
107	385	149382	297608	1189654	0.98	1.60	1.55	1.57
108	390	153272	305373	1220704	0.89	1.63	1.61	1.62
109	395	157212	313238	1252154	0.75	1.68	1.64	1.56
110	400	161202	321203	1284004	1.01	1.71	1.76	1.57
111	405	165242	329268	1316254	0.89	1.58	1.62	1.75
112	410	169332	337433	1348904	0.97	1.80	1.88	1.76
113	415	173472	345698	1381954	0.98	1.77	1.80	1.82
114	420	177662	354063	1415404	1.18	1.79	1.89	1.94
115	425	181902	362528	1449254	1.14	1.97	2.00	1.91
116	430	186192	371093	1483504	1.07	1.86	1.97	1.91
117	435	190532	379758	1518154	1.17	1.95	2.11	2.07
118	440	194922	388523	1553204	1.06	1.94	2.10	2.20
119	445	199362	397388	1588654	1.06	2.19	2.20	2.20
120	450	203852	406353	1624504	1.16	2.36	2.24	2.13
121	455	208392	415418	1660754	1.21	2.33	2.35	2.34
122	460	212982	424583	1697404	1.18	2.21	2.22	2.17
123	465	217622	433848	1734454	1.26	2.42	2.35	2.31
124	470	222312	443213	1771904	1.16	2.47	2.50	2.44
125	475	227052	452678	1809754	1.34	2.60	2.56	2.52
126	480	231842	462243	1848004	1.42	2.57	2.61	2.66

127	485	236682	471908	1886654	1.04	2.67	2.47	2.66
128	490	241572	481673	1925704	1.27	2.74	2.76	2.74
129	495	246512	491538	1965154	1.15	2.79	2.85	2.83
130	500	251502	501503	2005004	1.32	2.99	2.91	2.94
131	525	277202	552828	2210254	1.48	3.22	3.34	3.27
132	550	304152	606653	2425504	1.43	3.55	3.64	3.45
133	575	332352	662978	2650754	1.53	3.88	4.22	3.91
134	600	361802	721803	2886004	1.66	4.35	4.58	4.28
135	625	392502	783128	3131254	2.11	4.71	4.72	4.77
136	650	424452	846953	3386504	1.95	5.36	5.72	5.18
137	675	457652	913278	3651754	2.08	5.89	5.65	5.69
138	700	492102	982103	3927004	2.29	6.20	6.20	6.36
139	725	527802	1053428	4212254	2.67	6.78	6.87	6.96
140	750	564752	1127253	4507504	2.70	7.24	7.31	7.19
141	775	602952	1203578	4812754	2.99	8.07	8.03	7.85
142	800	642402	1282403	5128004	3.15	8.40	8.39	8.71
143	825	683102	1363728	5453254	3.26	9.01	9.24	9.22
144	850	725052	1447553	5788504	3.47	9.79	9.68	9.89
145	875	768252	1533878	6133754	3.98	10.38	10.38	10.45
146	900	812702	1622703	6489004	3.84	11.19	11.28	11.07
147	925	858402	1714028	6854254	4.30	11.90	11.84	11.82
148	950	905352	1807853	7229504	4.64	12.59	12.55	12.64
149	975	953552	1904178	7614754	4.48	13.40	13.43	13.30
150	1000	1003002	2003003	8010004	4.94	14.10	14.27	14.25

Table 219: *or*2-pyramid-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	12	17	56	0.00	0.00	0.00	0.00
2	4	30	47	172	0.00	0.00	0.00	0.00
3	6	56	93	352	0.00	0.00	0.00	0.00
4	8	90	155	596	0.00	0.00	0.00	0.00
5	10	132	233	904	0.00	0.00	0.00	0.00
6	12	182	327	1276	0.01	0.01	0.01	0.01
7	14	240	437	1712	0.01	0.01	0.01	0.02
8	16	306	563	2212	0.02	0.08	0.07	0.17
9	18	380	705	2776	0.07	0.02	0.02	0.07
10	20	462	863	3404	0.32	0.38	0.26	0.05
11	22	552	1037	4096	2.82	1.74	0.84	0.86
12	24	650	1227	4852	1.88	46.75	17.11	0.87
13	26	756	1433	5672	274.48	3.58	0.53	1.44
14	28	870	1655	6556	614.20	135.93	136.55	76.78
15	30	992	1893	7504	1257.18	0.24	68.40	0.70
16	32	1122	2147	8516	13.88	7.05	6.93	0.18
17	34	1260	2417	9592	12.68	0.39	0.17	1.55
18	36	1406	2703	10732	974.23	0.52	2.39	9.05
19	38	1560	3005	11936	to	0.89	0.61	0.48
20	40	1722	3323	13204	1.99	0.50	1.80	0.66
21	42	1892	3657	14536	75.98	0.39	1.09	0.54
22	44	2070	4007	15932	273.87	0.78	1.86	0.47
23	46	2256	4373	17392	to	1.13	0.92	0.51
24	48	2450	4755	18916	1589.43	1.38	1.44	7.72
25	50	2652	5153	20504	to	1.07	2.83	0.55
26	52	2862	5567	22156	520.90	1.22	1.00	1.01
27	54	3080	5997	23872	to	1.42	1.16	1.01
28	56	3306	6443	25652	1072.49	1.48	1.45	1.62
29	58	3540	6905	27496	to	1.74	1.47	1.90
30	60	3782	7383	29404	to	1.21	1.57	1.54
31	62	4032	7877	31376	1292.98	1.62	2.14	3.93
32	64	4290	8387	33412	to	1.75	2.04	1.96
33	66	4556	8913	35512	to	1.80	1.73	1.95

34	68	4830	9455	37676	to	1.78	2.38	3.10
35	70	5112	10013	39904	to	2.83	2.80	1.97
36	72	5402	10587	42196	to	2.27	2.30	3.22
37	74	5700	11177	44552	to	3.46	4.88	3.26
38	76	6006	11783	46972	to	3.51	2.92	5.72
39	78	6320	12405	49456	to	4.32	4.32	4.56
40	80	6642	13043	52004	to	5.80	55.31	6.98
41	82	6972	13697	54616	to	3.93	3.98	3.20
42	84	7310	14367	57292	to	5.59	5.65	4.63
43	86	7656	15053	60032	to	6.33	4.48	19.00
44	88	8010	15755	62836	to	5.90	7.83	17.18
45	90	8372	16473	65704	to	5.00	6.16	16.58
46	92	8742	17207	68636	to	5.86	6.48	8.18
47	94	9120	17957	71632	to	6.64	7.12	6.31
48	96	9506	18723	74692	to	15.82	5.62	214.51
49	98	9900	19505	77816	to	8.80	8.78	7.56
50	100	10302	20303	81004	to	6.89	21.46	6.12
51	105	11342	22368	89254	to	13.37	12.74	10.04
52	110	12432	24533	97904	to	25.08	25.04	19.16
53	115	13572	26798	106954	to	17.93	18.31	15.77
54	120	14762	29163	116404	to	14.07	14.36	30.47
55	125	16002	31628	126254	to	19.75	488.06	18.70
56	130	17292	34193	136504	to	19.92	19.72	31.07
57	135	18632	36858	147154	to	68.94	33.65	818.19
58	140	20022	39623	158204	to	79.44	79.67	43.60
59	145	21462	42488	169654	to	63.41	37.32	278.13
60	150	22952	45453	181504	to	43.10	64.84	81.03
61	155	24492	48518	193754	to	76.95	46.56	43.00
62	160	26082	51683	206404	to	103.74	103.79	57.86
63	165	27722	54948	219454	to	365.53	367.51	159.75
64	170	29412	58313	232904	to	1539.59	90.58	206.74
65	175	31152	61778	246754	to	101.98	101.45	281.44
66	180	32942	65343	261004	to	82.04	582.88	169.91
67	185	34782	69008	275654	to	115.95	115.63	738.78
68	190	36672	72773	290704	to	115.54	259.74	110.56
69	195	38612	76638	306154	to	3344.21	3345.08	2039.20
70	200	40602	80603	322004	to	162.42	162.10	268.97
71	205	42642	84668	338254	to	178.13	178.30	182.05
72	210	44732	88833	354904	to	702.07	203.58	187.10
73	215	46872	93098	371954	to	237.52	1499.92	475.45
74	220	49062	97463	389404	to	311.43	310.15	249.70
75	225	51302	101928	407254	to	320.03	2106.71	263.21
76	230	53592	106493	425504	to	1992.23	2000.83	284.33
77	235	55932	111158	444154	to	2207.16	2212.32	1543.53
78	240	58322	115923	463204	to	582.67	582.18	3524.57
79	245	60762	120788	482654	to	406.78	1132.57	403.20
80	250	63252	125753	502504	to	430.36	to	497.45
81	255	65792	130818	522754	to	528.93	2658.45	508.53
82	260	68382	135983	543404	to	528.54	to	515.63
83	265	71022	141248	564454	to	653.25	653.49	589.76
84	270	73712	146613	585904	to	to	to	3231.50

Table 220: *or*2-pyramid-picosat

5.8 pyrofpyr

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	18	26	90	0.00	0.00	0.00	0.00
2	2	72	119	452	0.00	0.00	0.00	0.00
3	3	200	354	1378	0.00	0.01	0.01	0.01
4	4	450	827	3252	0.02	0.03	0.03	0.03

5	5	882	1658	6554	0.06	0.06	0.06	0.06
6	6	1568	2991	11860	0.10	0.12	0.12	0.12
7	7	2592	4994	19842	0.18	0.21	0.21	0.21
8	8	4050	7859	31268	0.29	0.34	0.33	0.34
9	9	6050	11802	47002	0.43	0.52	0.51	0.52
10	10	8712	17063	68004	0.62	0.76	0.77	0.76
11	11	12168	23906	95330	0.90	1.10	1.11	1.11
12	12	16562	32619	130132	1.23	1.53	1.51	1.53
13	13	22050	43514	173658	1.64	2.01	2.01	2.04
14	14	28800	56927	227252	2.08	2.68	2.68	2.69
15	15	36992	73218	292354	2.67	3.48	3.49	3.51
16	16	46818	92771	370500	3.39	4.47	4.51	4.47
17	17	58482	115994	463322	4.32	5.82	5.75	5.71
18	18	72200	143319	572548	5.42	7.22	7.17	7.21
19	19	88200	175202	700002	6.29	8.83	8.88	8.92
20	20	106722	212123	847604	7.99	11.07	11.07	11.04
21	21	128018	254586	1017370	9.67	13.35	13.31	13.36
22	22	152352	303119	1211412	11.56	16.22	16.20	16.20
23	23	180000	358274	1431938	13.52	19.30	19.34	19.48
24	24	211250	420627	1681252	15.77	23.09	23.12	23.06
25	25	246402	490778	1961754	18.56	26.96	27.01	27.02
26	26	285768	569351	2275940	21.47	31.22	31.22	31.32
27	27	329672	656994	2626402	24.47	36.12	36.19	35.80
28	28	378450	754379	3015828	27.83	41.33	41.32	41.39
29	29	432450	862202	3447002	31.56	47.40	47.57	47.43
30	30	492032	981183	3922804	35.79	53.78	53.93	53.93
31	31	557568	1112066	4446210	39.59	60.35	60.47	60.29
32	32	629442	1255619	5020292	43.67	68.04	67.94	67.57
33	33	708050	1412634	5648218	49.66	75.97	76.04	76.21
34	34	793800	1583927	6333252	55.15	85.13	85.69	85.47
35	35	887112	1770338	7078754	61.48	95.14	95.01	95.32
36	36	988418	1972731	7888180	67.96	106.17	106.09	105.53
37	37	1098162	2191994	8765082	73.95	115.68	115.60	115.56
38	38	1216800	2429039	9713108	81.69	127.27	127.23	127.65
39	39	1344800	2684802	10736002	89.16	140.87	140.67	141.15
40	40	1482642	2960243	11837604	97.61	154.74	155.18	155.05
41	41	1630818	3256346	13021850	107.25	169.52	169.34	169.89
42	42	1789832	3574119	14292772	129.53	185.80	186.03	186.20
43	43	1960200	3914594	15654498	175.07	261.67	260.98	262.81
44	44	2142450	4278827	17111252	266.21	400.58	400.38	388.89
45	45	2337122	4667898	18667354	365.37	514.17	517.87	513.52
46	46	2544768	5082911	20327220	mo	644.84	644.89	706.20
47	47	2765952	5524994	22095362	680.81	762.09	762.28	859.81
48	48	3001250	5995299	23976388	690.44	982.22	983.31	951.41
49	49	3251250	6495002	25975002	mo	1146.76	1147.01	1021.63
50	50	3516552	7025303	28096004	1114.57	1317.52	1318.28	1353.05

Table 221: *or*2-pyrofpyr-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	18	26	90	0.00	0.00	0.00	0.00
2	2	72	119	452	0.00	0.00	0.00	0.00
3	3	200	354	1378	0.00	0.00	0.00	0.00
4	4	450	827	3252	0.00	0.00	0.00	0.01
5	5	882	1658	6554	0.03	0.03	0.02	0.03
6	6	1568	2991	11860	0.14	0.14	0.14	0.13
7	7	2592	4994	19842	0.29	0.40	0.41	0.44
8	8	4050	7859	31268	1.10	1.35	1.35	1.08
9	9	6050	11802	47002	2.82	4.38	4.38	3.00
10	10	8712	17063	68004	7.00	7.35	7.35	6.87
11	11	12168	23906	95330	21.39	18.18	18.16	23.11

12	12	16562	32619	130132	46.97	48.69	48.73	60.96
13	13	22050	43514	173658	108.05	94.38	94.26	121.22
14	14	28800	56927	227252	157.67	246.86	247.43	153.37
15	15	36992	73218	292354	445.82	354.00	353.49	489.06
16	16	46818	92771	370500	654.38	619.81	619.31	728.32
17	17	58482	115994	463322	1105.42	1277.85	1308.10	1227.11
18	18	72200	143319	572548	1888.24	2218.73	2186.68	1958.50
19	19	88200	175202	700002	2463.29	to	to	3320.95
20	20	106722	212123	847604		to	to	to

Table 222: *or*2-pyrofpyr-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	18	26	90	0.00	0.00	0.00	0.00
2	2	72	119	452	0.00	0.00	0.00	0.00
3	3	200	354	1378	0.00	0.00	0.00	0.00
4	4	450	827	3252	0.00	0.00	0.00	0.00
5	5	882	1658	6554	0.00	0.00	0.00	0.00
6	6	1568	2991	11860	0.00	0.00	0.00	0.00
7	7	2592	4994	19842	0.01	0.01	0.00	0.01
8	8	4050	7859	31268	0.01	0.02	0.01	0.02
9	9	6050	11802	47002	0.02	0.03	0.02	0.03
10	10	8712	17063	68004	0.02	0.04	0.04	0.04
11	11	12168	23906	95330	0.03	0.07	0.07	0.07
12	12	16562	32619	130132	0.06	0.10	0.10	0.10
13	13	22050	43514	173658	0.09	0.11	0.12	0.13
14	14	28800	56927	227252	0.11	0.14	0.16	0.18
15	15	36992	73218	292354	0.14	0.24	0.23	0.25
16	16	46818	92771	370500	0.17	0.33	0.34	0.31
17	17	58482	115994	463322	0.24	0.42	0.42	0.41
18	18	72200	143319	572548	0.31	0.54	0.54	0.51
19	19	88200	175202	700002	0.38	0.67	0.69	0.70
20	20	106722	212123	847604	0.47	0.88	0.88	0.84
21	21	128018	254586	1017370	0.58	1.08	1.07	1.10
22	22	152352	303119	1211412	0.69	1.36	1.33	1.37
23	23	180000	358274	1431938	0.83	1.65	1.63	1.65
24	24	211250	420627	1681252	0.93	2.03	2.01	1.99
25	25	246402	490778	1961754	1.18	2.40	2.39	2.46
26	26	285768	569351	2275940	1.30	2.92	2.86	2.85
27	27	329672	656994	2626402	1.53	3.42	3.44	3.45
28	28	378450	754379	3015828	1.76	4.02	4.03	4.03
29	29	432450	862202	3447002	1.98	4.73	4.67	4.67
30	30	492032	981183	3922804	2.29	5.49	5.43	5.45
31	31	557568	1112066	4446210	2.61	6.19	6.25	6.33
32	32	629442	1255619	5020292	2.91	7.22	7.24	7.17
33	33	708050	1412634	5648218	3.28	8.22	8.27	8.30
34	34	793800	1583927	6333252	3.69	9.30	9.36	9.40
35	35	887112	1770338	7078754	4.21	10.61	10.63	10.63
36	36	988418	1972731	7888180	4.61	11.90	11.92	11.97
37	37	1098162	2191994	8765082	5.17	13.45	13.44	13.48
38	38	1216800	2429039	9713108	5.60	15.12	15.11	15.20
39	39	1344800	2684802	10736002	6.27	16.87	16.90	16.77
40	40	1482642	2960243	11837604	6.82	18.77	18.70	18.81
41	41	1630818	3256346	13021850	7.67	20.89	20.82	20.95
42	42	1789832	3574119	14292772	8.46	23.19	23.23	23.21
43	43	1960200	3914594	15654498	9.24	25.67	25.69	25.46
44	44	2142450	4278827	17111252	10.15	28.26	28.25	28.22
45	45	2337122	4667898	18667354	10.88	31.10	30.98	31.25
46	46	2544768	5082911	20327220	11.91	34.04	34.09	34.22
47	47	2765952	5524994	22095362	12.76	37.45	37.32	37.36
48	48	3001250	5995299	23976388	13.91	40.79	40.86	40.85

49	49	3251250	6495002	25975002	15.31	44.59	44.59	44.48
50	50	3516552	7025303	28096004	16.41	48.55	48.63	48.68

Table 223: *or*2-pyrofpyr-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	18	26	90	0.00	0.00	0.00	0.00
2	2	72	119	452	0.00	0.00	0.00	0.00
3	3	200	354	1378	0.00	0.00	0.00	0.00
4	4	450	827	3252	0.01	0.01	0.01	0.01
5	5	882	1658	6554	0.08	0.04	0.06	0.04
6	6	1568	2991	11860	1.06	0.28	0.30	0.30
7	7	2592	4994	19842	7.39	1.32	1.32	0.80
8	8	4050	7859	31268	11.95	2.56	2.51	2.39
9	9	6050	11802	47002	20.77	9.97	9.94	7.13
10	10	8712	17063	68004	720.39	20.69	22.37	23.88
11	11	12168	23906	95330	136.42	45.50	69.03	54.17
12	12	16562	32619	130132	305.87	99.03	99.06	89.91
13	13	22050	43514	173658	to	406.86	405.65	334.10
14	14	28800	56927	227252	1647.45	767.48	343.39	1036.62
15	15	36992	73218	292354	to	2294.51	2215.55	2152.68
16	16	46818	92771	370500	to	2905.43	2997.22	to
17	17	58482	115994	463322	to	2045.05	2036.77	1957.24
18	18	72200	143319	572548		to	to	to

Table 224: *or*2-pyrofpyr-picosat

5.9 pyrseqsqrt

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	86	135	508	0.00	0.00	0.00	0.00
2	3	218	363	1396	0.00	0.00	0.00	0.00
3	4	442	763	2964	0.01	0.01	0.01	0.01
4	5	912	1613	6304	0.02	0.02	0.02	0.02
5	6	1622	2919	11452	0.03	0.04	0.04	0.04
6	7	2620	4777	18792	0.06	0.07	0.07	0.07
7	8	4258	7843	30916	0.10	0.12	0.13	0.12
8	9	6050	11235	44356	0.13	0.19	0.19	0.18
9	10	8742	16343	64604	0.22	0.27	0.26	0.27
10	11	12652	23785	94120	0.32	0.40	0.40	0.41
11	12	16850	31827	126052	0.45	0.55	0.55	0.52
12	13	22622	42903	170044	0.59	0.73	0.73	0.75
13	14	29514	56171	222772	0.80	0.99	0.99	0.98
14	15	37622	71823	285004	1.01	1.26	1.26	1.26
15	16	47042	90051	357508	1.29	1.63	1.65	1.66
16	17	59128	113461	450640	1.65	2.10	2.12	2.15
17	18	73010	140403	557860	2.14	2.74	2.73	2.74
18	19	88808	171117	680128	2.64	3.47	3.44	3.44
19	20	106642	205843	818404	3.06	4.30	4.29	4.33
20	21	128522	248475	988180	4.04	5.41	5.41	5.39
21	22	153034	296299	1178676	4.77	6.62	6.58	6.64
22	23	180322	349603	1391044	5.88	8.05	8.09	8.09
23	24	212978	413427	1645348	6.97	9.77	9.75	9.86
24	25	246452	478953	1906504	8.21	11.74	11.54	11.53
25	26	286002	556403	2215204	9.44	13.47	13.48	13.53
26	27	332426	647355	2577748	10.61	15.33	15.34	15.34
27	28	379962	740603	2949524	11.66	17.50	17.54	17.49
28	29	435176	848949	3381520	13.55	20.29	20.28	20.45
29	30	495182	966783	3851404	15.01	22.54	22.47	22.47
30	31	560172	1094489	4360712	16.77	25.40	25.42	25.35

31	32	630338	1232451	4910980	18.54	28.36	28.38	28.51
32	33	710426	1389963	5539252	20.92	31.88	31.90	31.87
33	34	796622	1559583	6215884	22.97	35.61	35.69	35.50
34	35	889142	1741743	6942604	25.14	39.24	39.22	39.22
35	36	988202	1936875	7721140	26.72	41.99	42.03	42.13
36	37	1099716	2156585	8597768	29.27	46.34	46.40	46.36
37	38	1218814	2391343	9534508	32.22	50.99	51.00	51.02
38	39	1345736	2641629	10533280	35.16	55.69	55.98	55.86
39	40	1487362	2920963	11648004	38.06	61.64	62.07	61.48
40	41	1630982	3204399	12779212	41.39	66.85	66.57	66.76
41	42	1790462	3519183	14035564	45.53	73.02	73.01	73.03
42	43	1967080	3867853	15427200	49.45	79.95	80.05	79.84
43	44	2146146	4221539	16838980	53.60	87.29	87.01	87.31
44	45	2343602	4611603	18396004	57.74	94.93	95.43	94.68
45	46	2552082	5023571	20040548	62.84	103.31	103.44	102.93
46	47	2771874	5458019	21774916	67.61	111.91	111.71	112.01
47	48	3003266	5915523	23601412	73.13	121.14	121.60	120.90
48	49	3256444	6416161	25600152	78.59	131.10	131.27	131.13
49	50	3522602	6942603	27702004	85.31	141.95	141.87	142.12

Table 225: *or*2-pyrseqsqrt-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	86	135	508	0.00	0.00	0.00	0.00
2	3	218	363	1396	0.00	0.00	0.00	0.00
3	4	442	763	2964	0.00	0.01	0.01	0.01
4	5	912	1613	6304	0.02	0.02	0.01	0.03
5	6	1622	2919	11452	0.06	0.07	0.07	0.07
6	7	2620	4777	18792	0.16	0.17	0.17	0.21
7	8	4258	7843	30916	0.32	0.37	0.37	0.41
8	9	6050	11235	44356	0.51	0.76	0.76	0.72
9	10	8742	16343	64604	1.22	1.37	1.38	1.13
10	11	12652	23785	94120	1.99	2.40	2.38	2.50
11	12	16850	31827	126052	3.13	3.78	3.77	3.57
12	13	22622	42903	170044	4.64	6.07	6.09	6.30
13	14	29514	56171	222772	8.21	9.79	9.79	10.05
14	15	37622	71823	285004	11.34	16.34	16.62	15.90
15	16	47042	90051	357508	20.03	23.65	23.65	25.79
16	17	59128	113461	450640	25.20	36.61	36.17	39.97
17	18	73010	140403	557860	43.92	61.78	61.72	58.71
18	19	88808	171117	680128	65.94	93.42	93.89	100.93
19	20	106642	205843	818404	88.32	145.96	143.26	140.72
20	21	128522	248475	988180	133.13	244.72	244.55	228.30
21	22	153034	296299	1178676	236.68	349.36	348.60	318.30
22	23	180322	349603	1391044	325.09	533.04	531.53	555.05
23	24	212978	413427	1645348	485.75	737.64	734.74	782.11
24	25	246452	478953	1906504	653.88	1135.42	1126.34	1015.34
25	26	286002	556403	2215204	882.95	1493.04	1477.57	1502.10
26	27	332426	647355	2577748	1327.78	2281.96	2257.17	2123.33
27	28	379962	740603	2949524	1900.78	3140.56	3120.56	3102.57
28	29	435176	848949	3381520	2607.35	to	to	to

Table 226: *or*2-pyrseqsqrt-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	86	135	508	0.00	0.00	0.00	0.00
2	3	218	363	1396	0.00	0.00	0.00	0.00
3	4	442	763	2964	0.00	0.00	0.00	0.00
4	5	912	1613	6304	0.00	0.00	0.00	0.00
5	6	1622	2919	11452	0.00	0.00	0.00	0.00

6	7	2620	4777	18792	0.01	0.01	0.01	0.01
7	8	4258	7843	30916	0.00	0.01	0.02	0.02
8	9	6050	11235	44356	0.02	0.02	0.01	0.02
9	10	8742	16343	64604	0.03	0.04	0.04	0.04
10	11	12652	23785	94120	0.03	0.05	0.06	0.05
11	12	16850	31827	126052	0.05	0.08	0.08	0.09
12	13	22622	42903	170044	0.08	0.12	0.12	0.10
13	14	29514	56171	222772	0.11	0.15	0.16	0.16
14	15	37622	71823	285004	0.15	0.21	0.22	0.22
15	16	47042	90051	357508	0.18	0.27	0.28	0.29
16	17	59128	113461	450640	0.21	0.37	0.38	0.39
17	18	73010	140403	557860	0.30	0.50	0.49	0.48
18	19	88808	171117	680128	0.37	0.64	0.63	0.62
19	20	106642	205843	818404	0.40	0.79	0.81	0.80
20	21	128522	248475	988180	0.50	1.04	1.00	0.98
21	22	153034	296299	1178676	0.61	1.26	1.29	1.25
22	23	180322	349603	1391044	0.75	1.54	1.54	1.53
23	24	212978	413427	1645348	0.89	1.89	1.90	1.89
24	25	246452	478953	1906504	1.05	2.30	2.31	2.27
25	26	286002	556403	2215204	1.19	2.71	2.72	2.73
26	27	332426	647355	2577748	1.35	3.24	3.28	3.31
27	28	379962	740603	2949524	1.57	3.79	3.81	3.82
28	29	435176	848949	3381520	1.86	4.51	4.56	4.53
29	30	495182	966783	3851404	2.14	5.23	5.21	5.24
30	31	560172	1094489	4360712	2.37	6.10	6.04	6.05
31	32	630338	1232451	4910980	2.72	6.95	6.98	6.96
32	33	710426	1389963	5539252	3.09	8.07	8.02	8.06
33	34	796622	1559583	6215884	3.48	9.06	9.18	9.09
34	35	889142	1741743	6942604	3.90	10.34	10.32	10.28
35	36	988202	1936875	7721140	4.28	11.63	11.62	11.73
36	37	1099716	2156585	8597768	4.78	13.11	13.12	13.15
37	38	1218814	2391343	9534508	5.36	14.79	14.84	14.78
38	39	1345736	2641629	10533280	5.89	16.62	16.58	16.65
39	40	1487362	2920963	11648004	6.56	18.57	18.42	18.68
40	41	1630982	3204399	12779212	7.13	20.70	20.65	20.60
41	42	1790462	3519183	14035564	7.78	22.95	22.87	22.98
42	43	1967080	3867853	15427200	8.70	25.69	25.48	25.55
43	44	2146146	4221539	16838980	9.48	28.12	28.14	28.19
44	45	2343602	4611603	18396004	10.45	31.03	31.06	31.10
45	46	2552082	5023571	20040548	11.40	34.28	34.30	34.31
46	47	2771874	5458019	21774916	12.44	37.57	37.66	37.70
47	48	3003266	5915523	23601412	13.62	41.06	41.15	41.19
48	49	3256444	6416161	25600152	14.67	44.96	45.16	45.14
49	50	3522602	6942603	27702004	15.86	49.28	49.25	49.36

Table 227: *or*2-pyrseqsqrt-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	86	135	508	0.00	0.00	0.00	0.00
2	3	218	363	1396	0.00	0.00	0.00	0.00
3	4	442	763	2964	0.01	0.01	0.01	0.00
4	5	912	1613	6304	0.06	0.04	0.04	0.05
5	6	1622	2919	11452	1.71	0.11	0.11	0.14
6	7	2620	4777	18792	16.50	0.33	0.33	0.37
7	8	4258	7843	30916	30.37	0.99	0.99	1.07
8	9	6050	11235	44356	151.32	1.68	1.69	1.24
9	10	8742	16343	64604	149.26	3.34	4.28	3.20
10	11	12652	23785	94120	519.02	5.85	7.21	8.02
11	12	16850	31827	126052	to	12.22	11.61	12.64
12	13	22622	42903	170044	to	30.89	17.98	31.92
13	14	29514	56171	222772	2192.37	36.10	35.98	31.21

14	15	37622	71823	285004	to	60.07	71.29	74.07
15	16	47042	90051	357508	to	87.78	87.69	104.62
16	17	59128	113461	450640	to	160.57	139.54	147.73
17	18	73010	140403	557860	to	262.65	272.41	262.33
18	19	88808	171117	680128	to	370.89	381.29	428.21
19	20	106642	205843	818404	to	569.71	572.58	650.92
20	21	128522	248475	988180	to	794.10	961.28	747.74
21	22	153034	296299	1178676	to	1242.95	1245.37	1735.05
22	23	180322	349603	1391044	to	2202.38	2203.90	2081.33
23	24	212978	413427	1645348	to	2745.24	2315.82	2848.55
24	25	246452	478953	1906504		to	to	to

Table 228: *or*2-pyrseqsqrt-picosat

5.10 width10chain

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	78	128	486	0.00	0.00	0.00	0.00
2	2000	40018	80008	320006	1.12	1.43	1.42	1.42
3	4000	80018	160008	640006	2.37	3.10	3.09	3.11
4	6000	120018	240008	960006	3.71	5.11	5.11	5.08
5	8000	160018	320008	1280006	5.03	7.11	7.08	7.05
6	10000	200018	400008	1600006	6.54	9.17	9.25	9.22
7	12000	240018	480008	1920006	7.48	11.25	11.29	11.20
8	14000	280018	560008	2240006	9.26	13.19	13.20	13.20
9	16000	320018	640008	2560006	10.38	15.14	15.19	15.13
10	18000	360018	720008	2880006	11.48	16.68	16.66	16.71
11	20000	400018	800008	3200006	12.27	18.63	18.58	18.58
12	22000	440018	880008	3520006	13.83	20.48	20.41	20.48
13	24000	480018	960008	3840006	14.83	22.32	22.32	22.30
14	26000	520018	1040008	4160006	15.48	23.54	23.55	23.45
15	28000	560018	1120008	4480006	16.88	25.24	25.29	25.29
16	30000	600018	1200008	4800006	17.70	26.87	26.97	26.95
17	32000	640018	1280008	5120006	18.91	28.67	28.64	28.64
18	34000	680018	1360008	5440006	19.85	30.41	30.37	30.48
19	36000	720018	1440008	5760006	21.17	32.03	32.07	32.12
20	38000	760018	1520008	6080006	22.05	33.81	33.77	33.75
21	40000	800018	1600008	6400006	23.07	35.39	35.34	35.36
22	42000	840018	1680008	6720006	23.97	36.94	36.95	36.94
23	44000	880018	1760008	7040006	24.96	38.60	38.61	38.71
24	46000	920018	1840008	7360006	25.51	40.22	40.23	40.37
25	48000	960018	1920008	7680006	26.87	41.89	41.84	41.92
26	50000	1000018	2000008	8000006	27.02	42.00	42.04	42.21
27	52000	1040018	2080008	8320006	27.69	43.72	43.78	43.73
28	54000	1080018	2160008	8640006	28.75	45.27	45.27	44.95
29	56000	1120018	2240008	8960006	29.81	46.75	46.67	46.60
30	58000	1160018	2320008	9280006	30.90	48.10	48.03	48.08
31	60000	1200018	2400008	9600006	31.45	49.71	49.68	49.93
32	62000	1240018	2480008	9920006	32.47	51.31	51.17	51.29
33	64000	1280018	2560008	10240006	33.27	52.74	52.54	52.63
34	66000	1320018	2640008	10560006	34.10	54.19	54.07	54.14
35	68000	1360018	2720008	10880006	35.43	55.54	55.79	55.76
36	70000	1400018	2800008	11200006	35.66	56.98	56.94	57.34
37	72000	1440018	2880008	11520006	37.34	58.89	58.72	58.63
38	74000	1480018	2960008	11840006	37.62	60.51	60.26	60.09
39	76000	1520018	3040008	12160006	39.08	61.96	61.66	61.81
40	78000	1560018	3120008	12480006	39.48	63.06	63.01	63.35
41	80000	1600018	3200008	12800006	40.49	64.68	64.42	64.84
42	82000	1640018	3280008	13120006	41.40	66.02	66.08	66.14
43	84000	1680018	3360008	13440006	42.14	67.63	67.88	67.84
44	86000	1720018	3440008	13760006	43.41	69.48	69.29	69.36
45	88000	1760018	3520008	14080006	44.24	70.70	70.71	70.66

46	90000	1800018	3600008	14400006	44.76	72.24	72.42	72.09
47	92000	1840018	3680008	14720006	46.42	73.85	73.90	73.99
48	94000	1880018	3760008	15040006	47.52	75.47	75.46	75.39
49	96000	1920018	3840008	15360006	47.89	76.90	76.88	77.19
50	98000	1960018	3920008	15680006	48.15	78.33	78.52	78.46
51	100000	2000018	4000008	16000006	49.74	80.04	79.99	80.26

Table 229: *or*2-width10chain-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	78	128	486	0.00	0.00	0.00	0.00
2	2000	40018	80008	320006	81.52	69.14	69.52	83.68
3	4000	80018	160008	640006	182.69	216.80	217.18	227.61
4	6000	120018	240008	960006	313.62	416.68	418.41	390.51
5	8000	160018	320008	1280006	569.20	695.25	695.18	704.87
6	10000	200018	400008	1600006	755.11	950.05	947.76	987.57
7	12000	240018	480008	1920006	1006.49	1256.90	1259.24	1499.96
8	14000	280018	560008	2240006	1399.95	1539.97	1525.79	1743.90
9	16000	320018	640008	2560006	2046.40	2445.48	2422.47	2575.44
10	18000	360018	720008	2880006	2289.09	2611.95	2619.41	3344.32
11	20000	400018	800008	3200006	2555.90	3572.53	3576.44	3401.73
12	22000	440018	880008	3520006		to	to	to

Table 230: *or*2-width10chain-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	78	128	486	0.00	0.00	0.00	0.00
2	2000	40018	80008	320006	0.13	0.24	0.24	0.23
3	4000	80018	160008	640006	0.30	0.56	0.55	0.54
4	6000	120018	240008	960006	0.47	0.94	0.93	0.89
5	8000	160018	320008	1280006	0.61	1.33	1.31	1.29
6	10000	200018	400008	1600006	0.81	1.75	1.70	1.74
7	12000	240018	480008	1920006	0.94	2.17	2.16	2.16
8	14000	280018	560008	2240006	1.12	2.59	2.64	2.66
9	16000	320018	640008	2560006	1.30	3.04	3.02	3.08
10	18000	360018	720008	2880006	1.46	3.51	3.54	3.54
11	20000	400018	800008	3200006	1.55	4.03	3.97	4.00
12	22000	440018	880008	3520006	1.74	4.55	4.49	4.48
13	24000	480018	960008	3840006	1.97	4.94	4.88	4.89
14	26000	520018	1040008	4160006	2.17	5.44	5.47	5.39
15	28000	560018	1120008	4480006	2.23	5.90	5.96	5.98
16	30000	600018	1200008	4800006	2.46	6.42	6.40	6.41
17	32000	640018	1280008	5120006	2.63	6.94	6.99	6.95
18	34000	680018	1360008	5440006	2.82	7.40	7.36	7.43
19	36000	720018	1440008	5760006	2.86	7.99	7.88	7.87
20	38000	760018	1520008	6080006	3.08	8.34	8.39	8.40
21	40000	800018	1600008	6400006	3.26	8.95	8.83	8.92
22	42000	840018	1680008	6720006	3.45	9.40	9.41	9.43
23	44000	880018	1760008	7040006	3.56	9.95	9.97	9.95
24	46000	920018	1840008	7360006	3.81	10.44	10.52	10.48
25	48000	960018	1920008	7680006	3.97	10.97	11.01	10.99
26	50000	1000018	2000008	8000006	4.12	11.41	11.47	11.55
27	52000	1040018	2080008	8320006	4.30	11.84	12.10	11.96
28	54000	1080018	2160008	8640006	4.48	12.50	12.48	12.58
29	56000	1120018	2240008	8960006	4.53	13.08	13.07	13.05
30	58000	1160018	2320008	9280006	4.86	13.59	13.59	13.64
31	60000	1200018	2400008	9600006	4.97	14.04	14.24	14.16
32	62000	1240018	2480008	9920006	5.23	14.62	14.66	14.69
33	64000	1280018	2560008	10240006	5.36	15.21	15.25	15.21
34	66000	1320018	2640008	10560006	5.46	15.75	15.63	15.71

35	68000	1360018	2720008	10880006	5.61	16.17	16.22	16.25
36	70000	1400018	2800008	11200006	5.86	16.83	16.83	16.84
37	72000	1440018	2880008	11520006	5.93	17.47	17.31	17.38
38	74000	1480018	2960008	11840006	6.22	17.98	18.00	17.95
39	76000	1520018	3040008	12160006	6.28	18.41	18.40	18.35
40	78000	1560018	3120008	12480006	6.49	18.95	18.96	18.99
41	80000	1600018	3200008	12800006	6.71	19.48	19.56	19.58
42	82000	1640018	3280008	13120006	6.80	19.99	20.07	20.21
43	84000	1680018	3360008	13440006	6.94	20.56	20.48	20.70
44	86000	1720018	3440008	13760006	7.19	21.17	21.17	21.27
45	88000	1760018	3520008	14080006	7.34	21.85	21.80	21.72
46	90000	1800018	3600008	14400006	7.65	22.31	22.32	22.37
47	92000	1840018	3680008	14720006	7.79	22.99	22.88	22.93
48	94000	1880018	3760008	15040006	7.91	23.53	23.44	23.60
49	96000	1920018	3840008	15360006	8.07	24.08	24.07	24.02
50	98000	1960018	3920008	15680006	8.19	24.56	24.55	24.74
51	100000	2000018	4000008	16000006	8.37	25.25	25.13	25.10

Table 231: *or*2-width10chain-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	78	128	486	0.00	0.00	0.00	0.00
2	2000	40018	80008	320006	to	351.95	695.57	376.69
3	4000	80018	160008	640006	to	1856.68	2211.40	2864.54
4	6000	120018	240008	960006	to	2464.34	to	to

Table 232: *or*2-width10chain-picosat

5.11 width2chain

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	14	24	86	0.00	0.00	0.00	0.00
2	10000	40002	80000	319990	1.04	1.29	1.29	1.27
3	20000	80002	160000	639990	2.25	2.85	2.87	2.85
4	30000	120002	240000	959990	3.42	4.68	4.67	4.67
5	40000	160002	320000	1279990	4.80	6.54	6.53	6.52
6	50000	200002	400000	1599990	6.02	8.52	8.48	8.60
7	60000	240002	480000	1919990	7.24	10.27	10.29	10.28
8	70000	280002	560000	2239990	8.43	12.14	12.11	12.07
9	80000	320002	640000	2559990	9.26	13.91	13.91	13.90
10	90000	360002	720000	2879990	10.42	15.34	15.35	15.35
11	100000	400002	800000	3199990	11.56	17.22	17.10	17.27
12	110000	440002	880000	3519990	12.62	18.97	19.03	19.01
13	120000	480002	960000	3839990	13.85	20.67	20.65	20.67
14	130000	520002	1040000	4159990	14.59	21.78	21.70	21.59
15	140000	560002	1120000	4479990	15.21	23.20	23.19	23.14
16	150000	600002	1200000	4799990	16.44	24.97	24.90	24.93
17	160000	640002	1280000	5119990	17.30	26.64	26.60	26.65
18	170000	680002	1360000	5439990	18.62	28.16	28.18	28.15
19	180000	720002	1440000	5759990	19.34	29.71	29.73	29.78
20	190000	760002	1520000	6079990	20.20	31.26	31.26	31.31
21	200000	800002	1600000	6399990	21.09	32.68	32.73	32.86
22	210000	840002	1680000	6719990	22.06	34.28	34.31	34.22
23	220000	880002	1760000	7039990	22.99	35.64	35.72	35.72
24	230000	920002	1840000	7359990	23.88	37.15	37.14	37.23
25	240000	960002	1920000	7679990	24.83	38.70	38.73	38.69
26	250000	1000002	2000000	7999990	24.82	38.83	38.83	38.84
27	260000	1040002	2080000	8319990	25.51	40.13	40.12	40.17
28	270000	1080002	2160000	8639990	26.51	41.71	41.67	41.64
29	280000	1120002	2240000	8959990	27.54	43.08	43.04	43.12

30	290000	1160002	2320000	9279990	28.53	44.55	44.49	44.60
31	300000	1200002	2400000	9599990	29.36	46.04	46.15	46.03
32	310000	1240002	2480000	9919990	30.21	47.27	47.26	47.18
33	320000	1280002	2560000	10239990	30.92	48.58	48.49	48.84
34	330000	1320002	2640000	10559990	31.95	50.03	50.05	50.16
35	340000	1360002	2720000	10879990	32.68	51.38	51.47	51.49
36	350000	1400002	2800000	11199990	33.89	52.80	52.75	52.94
37	360000	1440002	2880000	11519990	34.41	54.30	54.25	54.30
38	370000	1480002	2960000	11839990	34.77	56.01	55.74	55.68
39	380000	1520002	3040000	12159990	36.26	56.94	57.03	57.04
40	390000	1560002	3120000	12479990	36.71	58.51	58.49	58.46
41	400000	1600002	3200000	12799990	37.90	59.65	59.60	60.22
42	410000	1640002	3280000	13119990	38.79	61.28	61.36	61.32
43	420000	1680002	3360000	13439990	39.13	62.61	62.60	62.68
44	430000	1720002	3440000	13759990	39.88	64.19	64.00	63.98
45	440000	1760002	3520000	14079990	41.31	65.49	65.39	65.47
46	450000	1800002	3600000	14399990	42.16	66.93	67.13	67.02
47	460000	1840002	3680000	14719990	42.53	68.25	68.02	68.15
48	470000	1880002	3760000	15039990	43.82	69.82	69.93	69.87
49	480000	1920002	3840000	15359990	44.55	71.01	71.00	71.12
50	490000	1960002	3920000	15679990	44.71	72.29	72.61	72.63
51	500000	2000002	4000000	15999990	45.65	73.93	73.87	73.62

Table 233: *or*2-width2chain-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	14	24	86	0.00	0.00	0.00	0.00
2	10000	40002	80000	319990	10.95	31.81	31.83	37.95
3	20000	80002	160000	639990	32.43	109.67	109.20	104.42
4	30000	120002	240000	959990	99.20	302.86	301.30	215.82
5	40000	160002	320000	1279990	206.66	538.24	538.05	688.60
6	50000	200002	400000	1599990	312.90	899.42	899.31	1023.06
7	60000	240002	480000	1919990	457.41	1308.26	1246.39	1546.01
8	70000	280002	560000	2239990	743.39	2254.41	2258.77	2308.49
9	80000	320002	640000	2559990	924.79	2639.21	2636.21	2801.61
10	90000	360002	720000	2879990	1071.34	3307.28	3257.51	to
11	100000	400002	800000	3199990		to	to	to

Table 234: *or*2-width2chain-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	14	24	86	0.00	0.00	0.00	0.00
2	10000	40002	80000	319990	0.13	0.23	0.22	0.20
3	20000	80002	160000	639990	0.30	0.52	0.51	0.53
4	30000	120002	240000	959990	0.41	0.86	0.87	0.89
5	40000	160002	320000	1279990	0.53	1.29	1.30	1.24
6	50000	200002	400000	1599990	0.65	1.67	1.63	1.71
7	60000	240002	480000	1919990	0.88	2.09	2.08	2.12
8	70000	280002	560000	2239990	1.04	2.49	2.49	2.51
9	80000	320002	640000	2559990	1.12	2.99	2.99	2.96
10	90000	360002	720000	2879990	1.34	3.45	3.43	3.39
11	100000	400002	800000	3199990	1.50	3.85	3.77	3.85
12	110000	440002	880000	3519990	1.58	4.35	4.35	4.33
13	120000	480002	960000	3839990	1.80	4.76	4.79	4.76
14	130000	520002	1040000	4159990	1.96	5.25	5.25	5.23
15	140000	560002	1120000	4479990	2.03	5.73	5.76	5.70
16	150000	600002	1200000	4799990	2.31	6.23	6.24	6.19
17	160000	640002	1280000	5119990	2.40	6.69	6.77	6.66
18	170000	680002	1360000	5439990	2.56	7.15	7.08	7.17
19	180000	720002	1440000	5759990	2.72	7.65	7.69	7.70

20	190000	760002	1520000	6079990	2.80	8.11	8.17	8.14
21	200000	800002	1600000	6399990	3.12	8.62	8.62	8.59
22	210000	840002	1680000	6719990	3.25	9.23	9.12	9.19
23	220000	880002	1760000	7039990	3.29	9.65	9.66	9.55
24	230000	920002	1840000	7359990	3.47	10.08	10.21	10.10
25	240000	960002	1920000	7679990	3.61	10.73	10.69	10.71
26	250000	1000002	2000000	7999990	3.77	11.21	11.14	11.09
27	260000	1040002	2080000	8319990	3.95	11.49	11.69	11.69
28	270000	1080002	2160000	8639990	3.99	12.14	12.08	12.12
29	280000	1120002	2240000	8959990	4.23	12.64	12.60	12.60
30	290000	1160002	2320000	9279990	4.40	13.09	13.20	13.15
31	300000	1200002	2400000	9599990	4.54	13.66	13.61	13.65
32	310000	1240002	2480000	9919990	4.72	14.25	14.21	14.15
33	320000	1280002	2560000	10239990	4.93	14.69	14.74	14.71
34	330000	1320002	2640000	10559990	5.02	15.29	15.14	15.26
35	340000	1360002	2720000	10879990	5.13	15.79	15.74	15.69
36	350000	1400002	2800000	11199990	5.35	16.26	16.39	16.35
37	360000	1440002	2880000	11519990	5.49	16.86	16.84	16.84
38	370000	1480002	2960000	11839990	5.71	17.22	17.26	17.44
39	380000	1520002	3040000	12159990	5.81	17.89	17.88	17.95
40	390000	1560002	3120000	12479990	6.02	18.45	18.39	18.41
41	400000	1600002	3200000	12799990	6.17	19.06	19.01	18.99
42	410000	1640002	3280000	13119990	6.27	19.52	19.58	19.57
43	420000	1680002	3360000	13439990	6.31	20.22	19.87	20.13
44	430000	1720002	3440000	13759990	6.49	20.69	20.74	20.48
45	440000	1760002	3520000	14079990	6.71	21.07	21.09	21.14
46	450000	1800002	3600000	14399990	6.86	21.68	21.62	21.61
47	460000	1840002	3680000	14719990	7.10	22.14	22.29	22.29
48	470000	1880002	3760000	15039990	7.19	22.63	22.71	22.61
49	480000	1920002	3840000	15359990	7.22	23.27	23.41	23.17
50	490000	1960002	3920000	15679990	7.43	23.89	23.91	23.76
51	500000	2000002	4000000	15999990	7.52	24.25	24.42	24.35

Table 235: *or*2-width2chain-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	14	24	86	0.00	0.00	0.00	0.00
2	10000	40002	80000	319990	86.83	316.70	313.78	105.86
3	20000	80002	160000	639990	300.60	534.21	534.45	625.04
4	30000	120002	240000	959990	340.78	1572.91	1577.76	1789.33
5	40000	160002	320000	1279990	460.83	to	to	3167.56
6	50000	200002	400000	1599990	435.28	to	to	to

Table 236: *or*2-width2chain-picosat

5.12 width5chain

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	38	63	236	0.00	0.00	0.00	0.00
2	4000	40008	80003	319996	1.14	1.44	1.46	1.45
3	8000	80008	160003	639996	2.31	3.14	3.14	3.15
4	12000	120008	240003	959996	3.73	5.11	5.11	5.11
5	16000	160008	320003	1279996	5.18	7.15	7.12	7.15
6	20000	200008	400003	1599996	6.57	9.32	9.30	9.18
7	24000	240008	480003	1919996	7.59	11.28	11.25	11.31
8	28000	280008	560003	2239996	9.10	13.24	13.28	13.20
9	32000	320008	640003	2559996	10.18	15.19	15.13	15.25
10	36000	360008	720003	2879996	11.29	16.73	16.75	16.75
11	40000	400008	800003	3199996	12.21	18.59	18.61	18.58
12	44000	440008	880003	3519996	13.73	20.53	20.49	20.50

13	48000	480008	960003	3839996	14.52	22.36	22.40	22.50
14	52000	520008	1040003	4159996	15.47	23.62	23.53	23.52
15	56000	560008	1120003	4479996	16.63	25.19	25.31	25.29
16	60000	600008	1200003	4799996	17.80	27.00	27.04	27.03
17	64000	640008	1280003	5119996	18.39	28.71	28.57	28.73
18	68000	680008	1360003	5439996	19.86	30.42	30.53	30.42
19	72000	720008	1440003	5759996	20.66	32.00	31.95	31.89
20	76000	760008	1520003	6079996	21.84	33.86	33.85	33.78
21	80000	800008	1600003	6399996	22.74	35.42	35.48	35.38
22	84000	840008	1680003	6719996	23.34	37.01	37.05	37.01
23	88000	880008	1760003	7039996	24.34	38.65	38.55	38.65
24	92000	920008	1840003	7359996	25.39	40.74	40.38	40.44
25	96000	960008	1920003	7679996	26.58	41.96	41.93	41.94
26	100000	1000008	2000003	7999996	26.63	42.21	42.13	42.29
27	104000	1040008	2080003	8319996	27.55	43.84	43.66	43.81
28	108000	1080008	2160003	8639996	28.66	45.41	45.33	45.29
29	112000	1120008	2240003	8959996	29.51	46.72	46.78	46.84
30	116000	1160008	2320003	9279996	30.52	48.22	48.23	48.22
31	120000	1200008	2400003	9599996	31.41	49.86	49.96	49.75
32	124000	1240008	2480003	9919996	32.11	51.02	51.14	51.20
33	128000	1280008	2560003	10239996	32.85	52.88	52.84	52.82
34	132000	1320008	2640003	10559996	33.94	54.64	54.35	54.39
35	136000	1360008	2720003	10879996	34.85	55.76	55.74	55.78
36	140000	1400008	2800003	11199996	35.66	57.31	57.19	57.52
37	144000	1440008	2880003	11519996	36.76	58.90	58.96	58.97
38	148000	1480008	2960003	11839996	37.27	60.57	60.17	60.42
39	152000	1520008	3040003	12159996	38.81	61.97	61.95	61.81
40	156000	1560008	3120003	12479996	39.36	63.42	63.39	63.34
41	160000	1600008	3200003	12799996	40.12	65.20	65.32	64.93
42	164000	1640008	3280003	13119996	40.89	66.45	66.20	66.23
43	168000	1680008	3360003	13439996	41.71	67.96	67.94	68.03
44	172000	1720008	3440003	13759996	42.82	69.34	69.37	69.31
45	176000	1760008	3520003	14079996	43.55	70.90	70.88	70.83
46	180000	1800008	3600003	14399996	44.40	72.55	72.87	72.52
47	184000	1840008	3680003	14719996	45.62	74.07	74.03	73.99
48	188000	1880008	3760003	15039996	46.35	75.88	75.70	75.39
49	192000	1920008	3840003	15359996	47.25	77.22	77.24	77.06
50	196000	1960008	3920003	15679996	47.70	78.44	78.48	78.80
51	200000	2000008	4000003	15999996	48.77	80.00	80.04	80.10

Table 237: *or*2-width5chain-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	38	63	236	0.00	0.00	0.00	0.00
2	4000	40008	80003	319996	226.33	221.28	222.98	237.79
3	8000	80008	160003	639996	918.48	845.98	842.32	867.16
4	12000	120008	240003	959996	1682.23	1942.75	1963.64	1982.31
5	16000	160008	320003	1279996		to	to	to

Table 238: *or*2-width5chain-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	38	63	236	0.00	0.00	0.00	0.00
2	4000	40008	80003	319996	0.14	0.25	0.23	0.23
3	8000	80008	160003	639996	0.31	0.53	0.57	0.54
4	12000	120008	240003	959996	0.47	0.95	0.90	0.91
5	16000	160008	320003	1279996	0.64	1.33	1.29	1.28
6	20000	200008	400003	1599996	0.81	1.75	1.71	1.74
7	24000	240008	480003	1919996	0.93	2.13	2.16	2.19
8	28000	280008	560003	2239996	1.11	2.57	2.62	2.62

9	32000	320008	640003	2559996	1.25	2.99	3.08	3.08
10	36000	360008	720003	2879996	1.42	3.51	3.50	3.48
11	40000	400008	800003	3199996	1.55	3.92	3.95	3.99
12	44000	440008	880003	3519996	1.77	4.43	4.44	4.40
13	48000	480008	960003	3839996	1.90	4.92	4.87	4.90
14	52000	520008	1040003	4159996	2.01	5.32	5.30	5.37
15	56000	560008	1120003	4479996	2.28	5.84	5.86	5.92
16	60000	600008	1200003	4799996	2.44	6.38	6.43	6.43
17	64000	640008	1280003	5119996	2.55	6.86	6.77	6.83
18	68000	680008	1360003	5439996	2.69	7.33	7.35	7.39
19	72000	720008	1440003	5759996	2.87	7.91	7.85	7.76
20	76000	760008	1520003	6079996	3.16	8.40	8.35	8.36
21	80000	800008	1600003	6399996	3.23	8.87	8.82	8.80
22	84000	840008	1680003	6719996	3.44	9.34	9.42	9.35
23	88000	880008	1760003	7039996	3.47	9.83	9.89	9.85
24	92000	920008	1840003	7359996	3.62	10.35	10.30	10.36
25	96000	960008	1920003	7679996	3.83	10.87	10.93	10.95
26	100000	1000008	2000003	7999996	3.94	11.37	11.28	11.45
27	104000	1040008	2080003	8319996	4.28	11.90	11.87	11.87
28	108000	1080008	2160003	8639996	4.33	12.40	12.44	12.46
29	112000	1120008	2240003	8959996	4.47	12.98	13.01	13.01
30	116000	1160008	2320003	9279996	4.69	13.45	13.52	13.56
31	120000	1200008	2400003	9599996	4.83	14.01	13.95	14.02
32	124000	1240008	2480003	9919996	5.05	14.56	14.37	14.46
33	128000	1280008	2560003	10239996	5.08	15.06	15.08	14.94
34	132000	1320008	2640003	10559996	5.34	15.61	15.52	15.64
35	136000	1360008	2720003	10879996	5.47	16.04	16.20	16.10
36	140000	1400008	2800003	11199996	5.69	16.65	16.61	16.81
37	144000	1440008	2880003	11519996	5.84	17.25	17.21	17.12
38	148000	1480008	2960003	11839996	5.95	17.65	17.80	17.78
39	152000	1520008	3040003	12159996	6.17	18.33	18.25	18.33
40	156000	1560008	3120003	12479996	6.28	18.85	18.92	18.86
41	160000	1600008	3200003	12799996	6.49	19.47	19.40	19.44
42	164000	1640008	3280003	13119996	6.73	19.86	20.00	20.04
43	168000	1680008	3360003	13439996	6.85	20.50	20.53	20.43
44	172000	1720008	3440003	13759996	6.98	21.09	21.07	20.95
45	176000	1760008	3520003	14079996	7.06	21.62	21.70	21.69
46	180000	1800008	3600003	14399996	7.37	22.05	22.21	22.18
47	184000	1840008	3680003	14719996	7.44	22.76	22.70	22.75
48	188000	1880008	3760003	15039996	7.54	23.33	23.28	23.23
49	192000	1920008	3840003	15359996	7.79	23.98	23.93	23.98
50	196000	1960008	3920003	15679996	7.91	24.32	24.33	24.47
51	200000	2000008	4000003	15999996	8.07	24.93	24.98	24.91

Table 239: *or*2-width5chain-minisatsimp

♯	**par**	**vars**	**clauses**	**literals**	**C**	**R1**	**R2**	**R3**
1	3	38	63	236	0.00	0.00	0.00	0.00
2	4000	40008	80003	319996	to	517.19	765.82	823.57
3	8000	80008	160003	639996	to	1512.89	2629.12	1604.87
4	12000	120008	240003	959996		to	to	to

Table 240: *or*2-width5chain-picosat

6 $or3$

6.1 bintree

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	9	14	54	0.00	0.00	0.00	0.00
2	2	21	34	150	0.00	0.00	0.00	0.00
3	3	45	74	342	0.00	0.00	0.00	0.00
4	4	93	154	726	0.00	0.00	0.00	0.00
5	5	189	314	1494	0.00	0.00	0.00	0.00
6	6	381	634	3030	0.00	0.00	0.00	0.00
7	7	765	1274	6102	0.01	0.00	0.01	0.01
8	8	1533	2554	12246	0.02	0.03	0.03	0.03
9	9	3069	5114	24534	0.06	0.08	0.07	0.07
10	10	6141	10234	49110	0.11	0.14	0.14	0.14
11	11	12285	20474	98262	0.25	0.28	0.28	0.27
12	12	24573	40954	196566	0.48	0.58	0.59	0.59
13	13	49149	81914	393174	1.02	1.26	1.26	1.26
14	14	98301	163834	786390	2.25	2.83	2.80	2.85
15	15	196605	327674	1572822	5.05	6.63	6.61	6.59
16	16	393213	655354	3145686	9.31	13.59	13.64	13.58
17	17	786429	1310714	6291414	17.15	26.54	26.51	26.55
18	18	1572861	2621434	12582870	29.72	48.22	48.33	48.31
19	19	3145725	5242874	25165782	55.19	94.13	94.07	94.00
20	20	6291453	10485754	50331606	106.44	187.06	186.62	186.84

Table 241: $or3$-bintree-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	9	14	54	0.00	0.00	0.00	0.00
2	2	21	34	150	0.00	0.00	0.00	0.00
3	3	45	74	342	0.00	0.00	0.00	0.00
4	4	93	154	726	0.00	0.00	0.00	0.00
5	5	189	314	1494	0.00	0.00	0.00	0.00
6	6	381	634	3030	0.00	0.00	0.00	0.00
7	7	765	1274	6102	0.00	0.00	0.00	0.00
8	8	1533	2554	12246	0.01	0.01	0.01	0.02
9	9	3069	5114	24534	0.03	0.06	0.06	0.05
10	10	6141	10234	49110	0.11	0.19	0.19	0.20
11	11	12285	20474	98262	0.40	0.79	0.79	0.68
12	12	24573	40954	196566	1.82	3.01	2.99	3.06
13	13	49149	81914	393174	6.13	8.68	8.69	8.44
14	14	98301	163834	786390	19.99	34.09	34.02	33.52
15	15	196605	327674	1572822	86.01	171.57	169.18	165.28
16	16	393213	655354	3145686	385.86	839.78	837.01	859.33
17	17	786429	1310714	6291414	1877.57	to	to	to

Table 242: $or3$-bintree-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	9	14	54	0.00	0.00	0.00	0.00
2	2	21	34	150	0.00	0.00	0.00	0.00
3	3	45	74	342	0.00	0.00	0.00	0.00
4	4	93	154	726	0.00	0.00	0.00	0.00
5	5	189	314	1494	0.00	0.00	0.00	0.00
6	6	381	634	3030	0.00	0.00	0.00	0.00
7	7	765	1274	6102	0.00	0.00	0.00	0.00
8	8	1533	2554	12246	0.00	0.00	0.00	0.00
9	9	3069	5114	24534	0.01	0.01	0.01	0.01

10	10	6141	10234	49110	0.02	0.03	0.03	0.03
11	11	12285	20474	98262	0.05	0.06	0.06	0.06
12	12	24573	40954	196566	0.10	0.15	0.14	0.13
13	13	49149	81914	393174	0.25	0.33	0.33	0.33
14	14	98301	163834	786390	0.50	0.75	0.80	0.75
15	15	196605	327674	1572822	1.02	1.91	1.90	1.93
16	16	393213	655354	3145686	2.14	4.41	4.44	4.42
17	17	786429	1310714	6291414	4.53	9.98	9.92	9.98
18	18	1572861	2621434	12582870	9.25	22.02	21.99	22.03
19	19	3145725	5242874	25165782	19.05	48.72	48.61	48.50
20	20	6291453	10485754	50331606	39.86	106.37	106.67	106.38

Table 243: *or*3-bintree-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	9	14	54	0.00	0.00	0.00	0.00
2	2	21	34	150	0.00	0.00	0.00	0.00
3	3	45	74	342	0.00	0.00	0.00	0.00
4	4	93	154	726	0.00	0.00	0.00	0.00
5	5	189	314	1494	0.00	0.00	0.00	0.00
6	6	381	634	3030	0.00	0.00	0.00	0.00
7	7	765	1274	6102	0.00	0.01	0.01	0.01
8	8	1533	2554	12246	0.02	0.03	0.03	0.03
9	9	3069	5114	24534	0.05	0.08	0.08	0.09
10	10	6141	10234	49110	0.19	0.31	0.31	0.36
11	11	12285	20474	98262	0.65	1.12	1.11	1.25
12	12	24573	40954	196566	1.99	5.11	5.07	5.10
13	13	49149	81914	393174	7.34	23.11	23.07	19.81
14	14	98301	163834	786390	26.73	96.15	96.20	99.65
15	15	196605	327674	1572822	98.13	463.16	462.05	474.49
16	16	393213	655354	3145686	383.00	1984.56	1986.12	1938.86
17	17	786429	1310714	6291414	1458.83	to	to	to

Table 244: *or*3-bintree-picosat

6.2 gtb

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	63	160	780	0.00	0.00	0.00	0.00
2	6	132	351	1731	0.00	0.00	0.00	0.00
3	8	237	650	3222	0.02	0.02	0.02	0.01
4	10	414	1165	5793	0.10	0.09	0.08	0.06
5	12	465	1302	6474	0.07	0.05	0.05	0.08
6	16	789	2242	11166	0.17	0.14	0.15	0.19
7	20	1281	3686	18378	0.46	0.50	0.48	0.24
8	24	1473	4230	21090	0.30	0.27	0.25	0.23
9	32	2397	6938	34614	0.35	0.32	0.32	0.46
10	40	3705	10798	53898	0.75	1.28	1.25	0.84
11	48	4317	12570	62742	0.67	0.88	0.91	0.82
12	64	6813	19930	99510	1.02	1.41	1.39	1.51
13	80	10173	29882	149238	2.31	2.85	2.84	3.07
14	96	11949	35082	175206	3.49	3.43	3.43	3.47
15	128	18429	54266	271062	4.57	8.21	8.35	7.65
16	160	26829	79210	395718	9.09	14.11	14.01	13.52
17	192	31677	93498	467094	12.27	24.54	24.38	24.88
18	256	47997	141946	709206	20.54	51.09	50.90	43.24
19	320	68541	203066	1014678	42.57	85.80	85.83	89.89
20	384	81213	240570	1202070	52.41	153.38	152.55	174.21
21	512	121341	359930	1798614	106.19	538.17	537.51	421.23
22	640	170685	506938	2533398	184.87	872.95	871.74	780.96

23	768	202749	602106	3008982	332.48	to	to	1616.26
24	1000	297921	885766	4426818	656.61	to	to	to

Table 245: *or*3-gtb-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	63	160	780	0.00	0.00	0.00	0.00
2	6	132	351	1731	0.01	0.00	0.00	0.01
3	8	237	650	3222	0.08	0.40	0.40	0.06
4	10	414	1165	5793	5.31	4.90	4.91	2.56
5	12	465	1302	6474	3.46	2.09	2.11	7.98
6	16	789	2242	11166	8.54	28.29	28.21	20.47
7	20	1281	3686	18378	638.71	208.08	208.32	524.04
8	24	1473	4230	21090	226.95	204.33	203.56	487.73
9	32	2397	6938	34614	111.27	583.66	584.41	691.73
10	40	3705	10798	53898	to	to	to	

Table 246: *or*3-gtb-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	63	160	780	0.00	0.00	0.00	0.00
2	6	132	351	1731	0.00	0.00	0.00	0.00
3	8	237	650	3222	0.00	0.00	0.00	0.00
4	10	414	1165	5793	0.00	0.00	0.00	0.00
5	12	465	1302	6474	0.00	0.00	0.00	0.00
6	16	789	2242	11166	0.00	0.00	0.00	0.00
7	20	1281	3686	18378	0.01	0.01	0.01	0.01
8	24	1473	4230	21090	0.01	0.01	0.01	0.01
9	32	2397	6938	34614	0.01	0.02	0.02	0.02
10	40	3705	10798	53898	0.03	0.03	0.04	0.03
11	48	4317	12570	62742	0.04	0.03	0.05	0.05
12	64	6813	19930	99510	0.06	0.08	0.08	0.08
13	80	10173	29882	149238	0.09	0.13	0.12	0.12
14	96	11949	35082	175206	0.10	0.15	0.14	0.15
15	128	18429	54266	271062	0.18	0.25	0.25	0.23
16	160	26829	79210	395718	0.26	0.38	0.37	0.36
17	192	31677	93498	467094	0.32	0.45	0.44	0.44
18	256	47997	141946	709206	0.52	0.76	0.75	0.75
19	320	68541	203066	1014678	0.71	1.10	1.13	1.13
20	384	81213	240570	1202070	0.88	1.39	1.40	1.39
21	512	121341	359930	1798614	1.50	2.46	2.46	2.45
22	640	170685	506938	2533398	1.97	3.50	3.51	3.60
23	768	202749	602106	3008982	2.46	4.43	4.46	4.49
24	1000	297921	885766	4426818	4.31	7.65	7.64	7.61
25	1024	299517	890362	4449750	4.41	7.66	7.76	7.71
26	1250	414504	1233515	6165063	5.46	10.66	10.75	10.61
27	1280	416253	1238522	6190038	5.58	10.72	10.67	10.69
28	1500	491829	1463490	7314438	7.14	13.53	13.51	13.43
29	1536	495357	1473786	7365846	7.29	13.52	13.58	13.54
30	1750	660480	1967443	9833703	12.43	21.60	21.60	21.65
31	2000	720381	2145146	10721718	13.75	23.76	23.77	23.81
32	2048	724989	2158586	10788822	13.98	24.16	23.96	24.05
33	2250	932196	2778591	13888443	15.75	29.47	29.45	29.51
34	2500	992505	2957518	14782578	16.75	31.41	31.50	31.57
35	2560	997629	2972410	14856918	16.90	31.81	31.70	31.65
36	2750	1118940	3334823	16668603	21.45	38.50	38.37	38.51
37	3000	1179249	3513750	17562738	22.53	40.64	40.81	40.65
38	3072	1188861	3542010	17703894	23.08	41.33	40.96	41.17
39	3250	1506264	4492795	22457463	42.35	66.56	66.59	66.60
40	3500	1566165	4670498	23345478	43.90	69.39	69.50	69.23

41	3750	1654944	4934835	24666663	46.29	73.73	73.55	73.63
42	4000	1713837	5109514	25539558	48.19	76.36	76.32	76.41
43	4096	1726461	5146618	25724886	49.07	76.85	76.97	76.85
44	4250	2133012	6365039	31816683	50.62	87.17	87.05	87.13
45	4500	2193321	6543966	32710818	51.99	89.38	89.72	89.63
46	4750	2281692	6807079	34025883	54.30	93.43	93.48	93.41
47	5000	2342001	6986006	34920018	55.55	96.08	96.16	96.04
48	5120	2356221	7027706	35128278	56.19	96.87	96.60	96.68
49	5250	2586072	7716219	38570583	73.21	118.18	118.68	118.38
50	5500	2636997	7866994	39323958	74.74	120.75	121.04	120.93
51	5750	2725776	8131331	40645143	76.90	125.45	125.48	125.69
52	6000	2785677	8309034	41533158	78.61	128.16	128.28	128.20
53	6144	2810877	8383482	41905110	80.23	129.57	129.31	129.73
54	6250	3456756	10320271	51588843	157.82	221.49	221.60	221.40
55	6500	3517065	10499198	52482978	161.58	226.89	226.44	226.94
56	6750	3604428	10759287	53782923	165.62	232.17	232.67	232.32
57	7000	3664737	10938214	54677058	168.48	237.06	237.49	236.73
58	7250	3816648	11391947	56945223	175.48	248.10	247.04	247.34
59	7500	3876549	11569650	57833238	178.70	251.70	251.31	251.77
60	7750	3965328	11833987	59154423	182.09	257.44	257.65	257.91
61	8000	4021821	12001466	59991318	185.46	261.76	261.72	261.81
62	8192	4055037	12099578	60481494	188.23	264.43	264.00	264.33

Table 247: *or*3-gtb-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	63	160	780	0.00	0.01	0.00	0.00
2	6	132	351	1731	0.06	0.03	0.03	0.08
3	8	237	650	3222	0.04	0.07	0.06	0.38
4	10	414	1165	5793	4.40	0.56	0.56	0.53
5	12	465	1302	6474	23.66	11.36	11.36	0.50
6	16	789	2242	11166	131.44	36.06	1.88	36.20
7	20	1281	3686	18378	9.96	2199.62	2197.86	24.57
8	24	1473	4230	21090	247.43	2.10	461.75	285.40
9	32	2397	6938	34614	259.68	6.26	2384.42	1833.52
10	40	3705	10798	53898	135.58	22.60	22.50	to
11	48	4317	12570	62742	to	82.79	82.89	to
12	64	6813	19930	99510	to	to		to

Table 248: *or*3-gtb-picosat

6.3 pyr10seq

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	783	2024	10026	0.02	0.04	0.04	0.03
2	250	48753	126254	626256	2.04	2.96	2.98	2.98
3	500	97503	252504	1252506	4.42	6.51	6.49	6.42
4	750	146253	378754	1878756	5.35	9.75	9.70	9.78
5	1000	195003	505004	2505006	8.20	13.12	13.07	13.11
6	1250	243753	631254	3131256	10.59	16.64	16.55	16.49
7	1500	292503	757504	3757506	10.38	19.94	19.98	20.02
8	1750	341253	883754	4383756	11.64	22.89	22.83	22.91
9	2000	390003	1010004	5010006	13.18	26.17	26.23	26.24
10	2250	438753	1136254	5636256	16.48	29.40	29.43	29.32
11	2500	487503	1262504	6262506	15.52	31.90	31.75	31.81
12	2750	536253	1388754	6888756	16.93	34.74	34.90	34.95
13	3000	585003	1515004	7515006	18.17	38.01	37.88	37.82
14	3250	633753	1641254	8141256	19.35	40.81	40.93	40.87
15	3500	682503	1767504	8767506	20.66	43.62	43.71	43.66
16	3750	731253	1893754	9393756	21.81	46.41	46.48	46.34

17	4000	780003	2020004	10020006	22.99	49.27	49.20	49.23
18	4250	828753	2146254	10646256	24.32	52.07	52.26	52.15
19	4500	877503	2272504	11272506	25.51	54.93	54.97	54.96
20	4750	926253	2398754	11898756	26.57	57.87	57.79	57.93
21	5000	975003	2525004	12525006	26.94	59.16	59.19	58.91
22	5250	1023753	2651254	13151256	27.69	61.80	61.70	61.67
23	5500	1072503	2777504	13777506	29.57	65.32	64.79	64.70
24	5750	1121253	2903754	14403756	30.48	67.40	67.40	67.53
25	6000	1170003	3030004	15030006	31.73	70.29	70.26	70.22
26	6250	1218753	3156254	15656256	33.01	73.18	73.16	73.71
27	6500	1267503	3282504	16282506	33.90	76.15	76.04	76.05
28	6750	1316253	3408754	16908756	35.18	78.66	78.50	78.60
29	7000	1365003	3535004	17535006	36.32	81.53	81.57	81.51
30	7250	1413753	3661254	18161256	37.56	84.37	84.65	84.31
31	7500	1462503	3787504	18787506	38.55	87.00	86.99	87.10
32	7750	1511253	3913754	19413756	39.78	89.91	90.05	90.12
33	8000	1560003	4040004	20040006	41.30	93.25	93.22	92.79
34	8250	1608753	4166254	20666256	42.33	95.72	95.43	95.56
35	8500	1657503	4292504	21292506	43.33	98.43	98.27	98.61
36	8750	1706253	4418754	21918756	44.55	101.23	101.28	101.09
37	9000	1755003	4545004	22545006	45.77	103.69	103.83	104.13
38	9250	1803753	4671254	23171256	61.38	107.14	107.09	106.84
39	9500	1852503	4797504	23797506	62.15	109.84	109.79	109.94
40	9750	1901253	4923754	24423756	49.12	112.95	112.36	112.40
41	10000	1950003	5050004	25050006	50.17	115.50	115.08	115.55
42	10250	1998753	5176254	25676256	51.34	118.02	118.51	118.02
43	10500	2047503	5302504	26302506	52.42	120.89	121.00	120.81
44	10750	2096253	5428754	26928756	53.96	123.76	123.95	123.89
45	11000	2145003	5555004	27555006	54.74	127.09	126.94	126.85
46	11250	2193753	5681254	28181256	56.01	129.59	129.32	129.77
47	11500	2242503	5807504	28807506	57.36	132.54	132.52	132.35
48	11750	2291253	5933754	29433756	58.47	136.00	135.89	135.77
49	12000	2340003	6060004	30060006	59.78	138.35	138.17	138.57
50	12250	2388753	6186254	30686256	60.75	140.99	141.34	141.42
51	12500	2437503	6312504	31312506	61.98	144.16	143.78	144.05
52	12750	2486253	6438754	31938756	82.94	146.94	147.41	146.91
53	13000	2535003	6565004	32565006	64.18	150.09	149.71	149.62
54	13250	2583753	6691254	33191256	65.90	153.20	152.58	152.64
55	13500	2632503	6817504	33817506	66.83	155.51	155.72	155.66
56	13750	2681253	6943754	34443756	67.79	158.32	158.52	158.34
57	14000	2730003	7070004	35070006	68.66	161.16	161.66	161.21
58	14250	2778753	7196254	35696256	69.70	164.31	164.69	164.18
59	14500	2827503	7322504	36322506	71.42	166.91	166.98	167.36
60	14750	2876253	7448754	36948756	95.56	170.07	170.19	169.88
61	15000	2925003	7575004	37575006	73.57	172.93	173.59	172.45

Table 249: *or*3-pyr10seq-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	783	2024	10026	2.38	0.93	0.93	1.45
2	250	48753	126254	626256	1892.52	430.51	429.78	1200.28
3	500	97503	252504	1252506	to	to	to	

Table 250: *or*3-pyr10seq-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	783	2024	10026	0.00	0.00	0.00	0.00
2	250	48753	126254	626256	0.36	0.52	0.52	0.55
3	500	97503	252504	1252506	0.73	1.23	1.24	1.26
4	750	146253	378754	1878756	1.12	2.06	2.08	2.11

5	1000	195003	505004	2505006	1.50	3.02	2.96	2.97
6	1250	243753	631254	3131256	1.87	3.95	3.97	3.89
7	1500	292503	757504	3757506	2.30	4.88	4.83	4.88
8	1750	341253	883754	4383756	2.74	5.83	5.85	5.85
9	2000	390003	1010004	5010006	3.11	6.80	6.78	6.77
10	2250	438753	1136254	5636256	3.57	7.78	7.90	7.84
11	2500	487503	1262504	6262506	3.89	8.81	8.78	8.95
12	2750	536253	1388754	6888756	4.26	9.82	9.91	9.77
13	3000	585003	1515004	7515006	4.76	10.87	10.87	10.89
14	3250	633753	1641254	8141256	5.16	11.98	11.89	11.94
15	3500	682503	1767504	8767506	5.56	13.03	13.04	13.04
16	3750	731253	1893754	9393756	6.05	14.10	14.15	14.12
17	4000	780003	2020004	10020006	6.46	15.18	15.24	15.08
18	4250	828753	2146254	10646256	6.81	16.23	16.23	16.25
19	4500	877503	2272504	11272506	7.21	17.25	17.24	17.35
20	4750	926253	2398754	11898756	7.61	18.43	18.44	18.52
21	5000	975003	2525004	12525006	8.07	19.46	19.33	19.48
22	5250	1023753	2651254	13151256	8.57	20.70	20.65	20.67
23	5500	1072503	2777504	13777506	8.92	21.69	21.81	21.68
24	5750	1121253	2903754	14403756	9.23	22.93	22.68	22.84
25	6000	1170003	3030004	15030006	9.72	23.82	24.10	23.89
26	6250	1218753	3156254	15656256	10.11	25.14	25.24	25.20
27	6500	1267503	3282504	16282506	10.60	26.29	26.33	26.35
28	6750	1316253	3408754	16908756	11.01	27.36	27.47	27.43
29	7000	1365003	3535004	17535006	11.37	28.58	28.52	28.59
30	7250	1413753	3661254	18161256	11.86	29.74	29.81	29.77
31	7500	1462503	3787504	18787506	12.36	30.79	30.85	30.97
32	7750	1511253	3913754	19413756	12.84	32.16	32.25	32.09
33	8000	1560003	4040004	20040006	13.18	33.18	33.29	33.21
34	8250	1608753	4166254	20666256	13.66	34.34	34.34	34.39
35	8500	1657503	4292504	21292506	14.02	35.81	35.72	35.55
36	8750	1706253	4418754	21918756	14.43	36.71	36.76	36.73
37	9000	1755003	4545004	22545006	14.90	37.96	38.00	38.04
38	9250	1803753	4671254	23171256	15.37	39.11	39.22	39.23
39	9500	1852503	4797504	23797506	15.76	40.59	40.31	40.42
40	9750	1901253	4923754	24423756	16.02	41.32	41.46	41.63
41	10000	1950003	5050004	25050006	16.65	42.73	42.69	42.58
42	10250	1998753	5176254	25676256	16.89	43.80	43.76	43.93
43	10500	2047503	5302504	26302506	17.46	45.26	44.98	45.04
44	10750	2096253	5428754	26928756	17.96	46.11	46.39	46.20
45	11000	2145003	5555004	27555006	18.43	47.30	47.51	47.73
46	11250	2193753	5681254	28181256	18.75	48.54	48.85	48.52
47	11500	2242503	5807504	28807506	19.15	49.71	49.90	49.81
48	11750	2291253	5933754	29433756	19.53	51.21	51.02	51.03
49	12000	2340003	6060004	30060006	19.96	52.28	52.26	52.37
50	12250	2388753	6186254	30686256	20.37	53.54	53.52	53.43
51	12500	2437503	6312504	31312506	20.69	54.64	54.92	54.65
52	12750	2486253	6438754	31938756	21.36	55.95	55.99	55.91
53	13000	2535003	6565004	32565006	21.81	57.03	57.13	57.19
54	13250	2583753	6691254	33191256	22.28	58.40	58.39	58.45
55	13500	2632503	6817504	33817506	22.70	60.05	59.68	59.57
56	13750	2681253	6943754	34443756	23.05	60.92	61.04	61.08
57	14000	2730003	7070004	35070006	23.56	62.17	62.02	62.12
58	14250	2778753	7196254	35696256	23.85	63.65	63.39	63.23
59	14500	2827503	7322504	36322506	24.47	64.80	64.62	64.40
60	14750	2876253	7448754	36948756	24.81	65.95	65.95	65.86
61	15000	2925003	7575004	37575006	25.33	67.26	67.11	67.12

Table 251: *or*3-pyr10seq-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3

1	4	783	2024	10026	0.42	2.34	2.32	2.31
2	250	48753	126254	626256	119.87	452.42	452.28	368.21
3	500	97503	252504	1252506	432.21	2252.94	1450.49	2005.46
4	750	146253	378754	1878756	993.25	3103.01	to	to
5	1000	195003	505004	2505006	1812.24	to	to	to

Table 252: *or*3-pyr10seq-picosat

6.4 pyr1seq

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	27	44	198	0.00	0.00	0.00	0.00
2	10000	60003	100004	480006	2.53	3.37	3.35	3.35
3	20000	120003	200004	960006	4.27	5.77	5.76	5.76
4	30000	180003	300004	1440006	6.01	8.30	8.30	8.29
5	40000	240003	400004	1920006	7.45	10.80	10.78	10.76
6	50000	300003	500004	2400006	8.66	12.76	13.38	12.81
7	60000	360003	600004	2880006	9.73	14.65	16.14	14.57
8	70000	420003	700004	3360006	13.60	17.58	17.21	17.15
9	80000	480003	800004	3840006	12.67	21.17	19.58	19.75
10	90000	540003	900004	4320006	13.87	20.71	20.90	20.80
11	100000	600003	1000004	4800006	15.05	22.97	22.97	22.91
12	110000	660003	1100004	5280006	16.19	25.02	25.04	25.09
13	120000	720003	1200004	5760006	17.55	27.18	27.13	27.16
14	130000	780003	1300004	6240006	18.40	29.34	29.33	29.20
15	140000	840003	1400004	6720006	19.62	31.37	35.27	35.83
16	150000	900003	1500004	7200006	20.88	36.40	33.88	39.98
17	160000	960003	1600004	7680006	22.40	35.80	35.82	36.10
18	170000	1020003	1700004	8160006	23.53	38.34	38.28	38.05
19	180000	1080003	1800004	8640006	24.68	37.19	40.96	37.13
20	190000	1140003	1900004	9120006	24.20	39.28	39.10	39.28
21	200000	1200003	2000004	9600006	25.25	39.32	39.35	40.98
22	210000	1260003	2100004	10080006	26.50	42.99	42.95	42.96
23	220000	1320003	2200004	10560006	27.42	44.69	44.80	44.72
24	230000	1380003	2300004	11040006	28.33	44.83	44.61	46.75
25	240000	1440003	2400004	11520006	29.72	48.49	48.50	48.54
26	250000	1500003	2500004	12000006	30.44	50.47	50.51	50.36
27	260000	1560003	2600004	12480006	31.63	52.30	52.26	52.30
28	270000	1620003	2700004	12960006	32.04	54.47	54.36	51.95
29	280000	1680003	2800004	13440006	33.52	55.98	55.92	53.70
30	290000	1740003	2900004	13920006	33.79	58.01	58.09	58.17
31	300000	1800003	3000004	14400006	35.73	60.01	59.90	59.92
32	310000	1860003	3100004	14880006	36.69	59.02	58.95	61.64
33	320000	1920003	3200004	15360006	37.80	63.69	63.75	63.67
34	330000	1980003	3300004	15840006	39.11	65.73	65.71	65.78
35	340000	2040003	3400004	16320006	39.86	67.44	67.45	67.75
36	350000	2100003	3500004	16800006	41.19	66.78	66.54	69.20
37	360000	2160003	3600004	17280006	41.97	68.17	68.17	68.31
38	370000	2220003	3700004	17760006	43.66	73.42	73.30	70.22
39	380000	2280003	3800004	18240006	44.50	75.35	75.53	75.32
40	390000	2340003	3900004	18720006	45.23	77.33	77.66	74.07
41	400000	2400003	4000004	19200006	45.17	79.45	79.19	79.28
42	410000	2460003	4100004	19680006	46.50	81.05	81.72	77.50
43	420000	2520003	4200004	20160006	48.10	83.32	83.19	83.04
44	430000	2580003	4300004	20640006	49.29	84.92	85.15	81.11
45	440000	2640003	4400004	21120006	49.54	86.96	86.63	82.74
46	450000	2700003	4500004	21600006	51.65	88.68	88.95	88.90
47	460000	2760003	4600004	22080006	52.71	90.82	90.80	90.78
48	470000	2820003	4700004	22560006	53.69	92.49	92.43	93.28
49	480000	2880003	4800004	23040006	52.88	95.10	94.62	94.59
50	490000	2940003	4900004	23520006	55.82	96.56	96.39	92.04

51	500000	3000003	5000004	24000006	57.06	94.63	94.34	98.55

Table 253: *or*3-pyr1seq-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	27	44	198	0.00	0.00	0.00	0.00
2	10000	60003	100004	480006	5.48	8.91	8.96	7.75
3	20000	120003	200004	960006	18.76	32.76	32.61	45.26
4	30000	180003	300004	1440006	60.75	113.13	113.46	102.41
5	40000	240003	400004	1920006	62.81	164.22	163.98	177.47
6	50000	300003	500004	2400006	182.64	335.14	337.05	344.92
7	60000	360003	600004	2880006	295.04	408.25	408.03	412.20
8	70000	420003	700004	3360006	232.89	558.23	528.01	708.98
9	80000	480003	800004	3840006	359.33	755.60	973.08	721.98
10	90000	540003	900004	4320006	706.02	959.79	966.81	1003.54
11	100000	600003	1000004	4800006	962.27	1168.45	1172.81	1372.74
12	110000	660003	1100004	5280006	849.87	1560.28	1565.09	1489.22
13	120000	720003	1200004	5760006	1362.32	1733.82	1738.52	1768.19
14	130000	780003	1300004	6240006	1895.40	1918.14	1917.85	1971.60
15	140000	840003	1400004	6720006	2231.15	2243.53	2256.96	2322.00
16	150000	900003	1500004	7200006	2497.67	3004.16	3299.04	to
17	160000	960003	1600004	7680006	2902.38	3092.37	2977.36	2917.07
18	170000	1020003	1700004	8160006	3087.92	3216.56	3217.00	to
19	180000	1080003	1800004	8640006	mo		to	to

Table 254: *or*3-pyr1seq-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	27	44	198	0.00	0.00	0.00	0.00
2	10000	60003	100004	480006	0.27	0.40	0.38	0.41
3	20000	120003	200004	960006	0.57	0.95	0.96	0.94
4	30000	180003	300004	1440006	0.84	1.60	1.56	1.61
5	40000	240003	400004	1920006	1.13	2.26	2.27	2.22
6	50000	300003	500004	2400006	1.43	2.99	2.98	3.20
7	60000	360003	600004	2880006	1.74	4.17	3.72	3.65
8	70000	420003	700004	3360006	2.06	4.61	4.50	4.88
9	80000	480003	800004	3840006	2.25	5.28	5.73	5.23
10	90000	540003	900004	4320006	3.00	6.34	6.14	6.40
11	100000	600003	1000004	4800006	2.92	6.76	6.79	7.32
12	110000	660003	1100004	5280006	3.32	7.52	7.55	7.53
13	120000	720003	1200004	5760006	3.64	8.37	9.75	8.45
14	130000	780003	1300004	6240006	3.97	9.18	9.17	9.19
15	140000	840003	1400004	6720006	4.11	9.90	11.95	11.81
16	150000	900003	1500004	7200006	4.66	11.89	10.95	12.94
17	160000	960003	1600004	7680006	5.00	11.77	11.62	11.84
18	170000	1020003	1700004	8160006	5.24	12.70	12.78	12.58
19	180000	1080003	1800004	8640006	5.91	13.38	14.68	13.35
20	190000	1140003	1900004	9120006	5.92	14.23	14.27	14.23
21	200000	1200003	2000004	9600006	6.24	15.25	15.15	15.24
22	210000	1260003	2100004	10080006	6.51	15.94	15.95	15.89
23	220000	1320003	2200004	10560006	6.86	16.76	16.78	16.78
24	230000	1380003	2300004	11040006	7.24	17.71	17.67	17.61
25	240000	1440003	2400004	11520006	7.47	18.58	18.45	18.57
26	250000	1500003	2500004	12000006	7.84	19.40	19.45	19.41
27	260000	1560003	2600004	12480006	8.19	20.34	20.41	20.23
28	270000	1620003	2700004	12960006	8.54	21.15	21.14	21.26
29	280000	1680003	2800004	13440006	8.90	22.11	22.15	21.96
30	290000	1740003	2900004	13920006	9.18	22.93	22.99	23.11
31	300000	1800003	3000004	14400006	9.52	23.77	23.83	23.87
32	310000	1860003	3100004	14880006	9.87	24.68	24.79	24.77

33	320000	1920003	3200004	15360006	10.10	25.76	25.56	25.73
34	330000	1980003	3300004	15840006	10.30	26.45	26.70	26.54
35	340000	2040003	3400004	16320006	10.93	27.36	27.43	27.52
36	350000	2100003	3500004	16800006	11.25	28.26	28.29	28.37
37	360000	2160003	3600004	17280006	11.41	29.20	29.35	29.30
38	370000	2220003	3700004	17760006	11.87	30.07	30.14	30.02
39	380000	2280003	3800004	18240006	12.31	31.13	30.98	31.06
40	390000	2340003	3900004	18720006	12.45	32.01	31.98	32.18
41	400000	2400003	4000004	19200006	12.63	32.76	32.84	32.83
42	410000	2460003	4100004	19680006	13.10	33.87	33.80	34.02
43	420000	2520003	4200004	20160006	13.49	34.85	34.67	34.72
44	430000	2580003	4300004	20640006	13.81	36.06	35.85	35.85
45	440000	2640003	4400004	21120006	14.26	36.65	36.62	36.53
46	450000	2700003	4500004	21600006	14.39	37.85	37.74	37.51
47	460000	2760003	4600004	22080006	14.87	38.71	38.49	38.58
48	470000	2820003	4700004	22560006	15.18	39.38	39.71	39.48
49	480000	2880003	4800004	23040006	15.55	40.34	40.50	40.37
50	490000	2940003	4900004	23520006	15.83	41.15	41.41	41.29
51	500000	3000003	5000004	24000006	16.17	42.26	42.43	42.28

Table 255: *or*3-pyr1seq-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	27	44	198	0.00	0.00	0.00	0.00
2	10000	60003	100004	480006	264.74	24.50	24.48	32.54
3	20000	120003	200004	960006	1037.78	144.32	144.67	117.63
4	30000	180003	300004	1440006	2171.24	330.93	329.76	405.71
5	40000	240003	400004	1920006	to	489.11	485.72	558.04
6	50000	300003	500004	2400006	to	1325.24	1321.10	1064.58
7	60000	360003	600004	2880006	to	1562.50	1467.63	1612.00
8	70000	420003	700004	3360006	to	2532.30	2433.85	2128.84
9	80000	480003	800004	3840006	to	2932.45	2889.09	2870.35
10	90000	540003	900004	4320006	to	3201.30	3167.36	to
11	100000	600003	1000004	4800006	to		to	to

Table 256: *or*3-pyr1seq-picosat

6.5 pyr3seq

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	111	232	1122	0.00	0.00	0.00	0.00
2	2500	67503	142504	697506	2.36	3.44	3.44	3.73
3	5000	135003	285004	1395006	4.64	7.57	7.57	7.60
4	7500	202503	427504	2092506	6.94	11.64	11.65	11.60
5	10000	270003	570004	2790006	8.72	15.86	15.85	16.12
6	12500	337503	712504	3487506	10.97	19.91	19.66	19.70
7	15000	405003	855004	4185006	13.73	24.05	24.49	23.98
8	17500	472503	997504	4882506	15.51	28.22	28.18	28.22
9	20000	540003	1140004	5580006	16.82	31.73	31.44	31.81
10	22500	607503	1282504	6277506	18.79	35.58	35.60	35.62
11	25000	675003	1425004	6975006	20.51	39.47	39.88	39.55
12	27500	742503	1567504	7672506	22.67	43.46	43.62	43.56
13	30000	810003	1710004	8370006	23.90	46.90	47.43	46.97
14	32500	877503	1852504	9067506	25.83	50.52	50.52	51.59
15	35000	945003	1995004	9765006	27.81	54.29	54.24	54.97
16	37500	1012503	2137504	10462506	28.31	69.25	58.88	57.31
17	40000	1080003	2280004	11160006	29.69	60.53	60.50	60.65
18	42500	1147503	2422504	11857506	31.55	63.30	63.34	63.57
19	45000	1215003	2565004	12555006	33.14	67.83	67.95	68.17
20	47500	1282503	2707504	13252506	34.85	71.12	71.05	70.35

21	50000	1350003	2850004	13950006	36.39	74.91	75.02	76.03
22	52500	1417503	2992504	14647506	37.90	78.74	78.72	79.15
23	55000	1485003	3135004	15345006	39.76	82.79	82.53	83.43
24	57500	1552503	3277504	16042506	41.43	85.76	85.73	86.35
25	60000	1620003	3420004	16740006	43.19	90.96	90.98	89.26
26	62500	1687503	3562504	17437506	44.94	94.01	94.01	92.71
27	65000	1755003	3705004	18135006	46.43	97.25	96.98	98.47
28	67500	1822503	3847504	18832506	47.80	99.80	99.22	100.32
29	70000	1890003	3990004	19530006	49.64	104.08	104.08	103.95
30	72500	1957503	4132504	20227506	51.08	107.68	107.75	108.59
31	75000	2025003	4275004	20925006	53.04	111.44	111.61	112.03
32	77500	2092503	4417504	21622506	54.37	115.95	115.63	115.43
33	80000	2160003	4560004	22320006	56.60	117.86	117.85	119.12
34	82500	2227503	4702504	23017506	57.53	122.59	122.63	122.25
35	85000	2295003	4845004	23715006	59.58	126.52	126.42	127.56
36	87500	2362503	4987504	24412506	61.11	130.11	130.10	130.25
37	90000	2430003	5130004	25110006	63.18	136.38	136.54	132.88
38	92500	2497503	5272504	25807506	64.22	136.72	136.99	139.61
39	95000	2565003	5415004	26505006	65.73	141.83	141.52	141.20
40	97500	2632503	5557504	27202506	67.45	147.43	148.01	145.90
41	100000	2700003	5700004	27900006	68.95	146.42	146.08	147.38

Table 257: *or*3-pyr3seq-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	111	232	1122	0.00	0.00	0.00	0.00
2	2500	67503	142504	697506	9.57	12.07	11.45	12.55
3	5000	135003	285004	1395006	43.68	48.70	49.04	48.56
4	7500	202503	427504	2092506	127.63	123.11	123.05	124.45
5	10000	270003	570004	2790006	234.10	232.76	232.20	229.06
6	12500	337503	712504	3487506	353.78	355.53	353.49	339.61
7	15000	405003	855004	4185006	581.93	531.31	528.05	501.09
8	17500	472503	997504	4882506	861.74	716.48	712.62	835.79
9	20000	540003	1140004	5580006	1089.84	953.00	943.90	978.47
10	22500	607503	1282504	6277506	1463.60	1368.22	1368.28	1203.79
11	25000	675003	1425004	6975006	1708.92	1548.42	1538.24	1507.44
12	27500	742503	1567504	7672506	2240.54	1771.30	1763.40	1795.84
13	30000	810003	1710004	8370006	2837.44	2217.83	2216.87	2317.51
14	32500	877503	1852504	9067506	3156.76	2676.09	2672.54	2665.32
15	35000	945003	1995004	9765006	to	3404.90	3406.39	3437.30
16	37500	1012503	2137504	10462506		to	to	to

Table 258: *or*3-pyr3seq-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	111	232	1122	0.00	0.00	0.00	0.00
2	2500	67503	142504	697506	0.43	0.91	0.63	0.89
3	5000	135003	285004	1395006	0.83	1.52	1.74	1.50
4	7500	202503	427504	2092506	1.54	2.56	2.72	2.46
5	10000	270003	570004	2790006	1.78	3.44	3.75	3.42
6	12500	337503	712504	3487506	2.58	4.72	4.83	4.80
7	15000	405003	855004	4185006	3.15	5.87	5.89	5.88
8	17500	472503	997504	4882506	3.39	7.00	6.81	6.81
9	20000	540003	1140004	5580006	3.96	8.21	8.02	8.26
10	22500	607503	1282504	6277506	4.30	9.12	9.22	9.37
11	25000	675003	1425004	6975006	4.95	10.47	10.52	10.44
12	27500	742503	1567504	7672506	5.34	11.69	11.63	11.93
13	30000	810003	1710004	8370006	5.87	12.85	12.90	12.75
14	32500	877503	1852504	9067506	6.52	14.11	14.01	14.03
15	35000	945003	1995004	9765006	7.08	15.27	15.27	15.44

16	37500	1012503	2137504	10462506	7.32	18.55	16.95	16.52
17	40000	1080003	2280004	11160006	7.98	17.53	17.57	17.57
18	42500	1147503	2422504	11857506	8.30	18.78	19.15	18.88
19	45000	1215003	2565004	12555006	8.98	20.21	19.99	20.39
20	47500	1282503	2707504	13252506	9.29	21.48	21.52	21.42
21	50000	1350003	2850004	13950006	9.87	22.88	22.64	22.97
22	52500	1417503	2992504	14647506	10.27	24.28	24.02	24.02
23	55000	1485003	3135004	15345006	11.12	25.64	25.36	25.34
24	57500	1552503	3277504	16042506	11.32	26.55	26.73	26.49
25	60000	1620003	3420004	16740006	11.97	27.83	28.12	27.83
26	62500	1687503	3562504	17437506	12.34	29.09	29.25	29.58
27	65000	1755003	3705004	18135006	12.80	30.64	31.22	30.62
28	67500	1822503	3847504	18832506	13.39	32.08	31.97	31.82
29	70000	1890003	3990004	19530006	14.10	33.53	33.07	33.11
30	72500	1957503	4132504	20227506	14.38	34.47	34.56	34.90
31	75000	2025003	4275004	20925006	15.05	36.01	36.05	36.05
32	77500	2092503	4417504	21622506	15.79	37.47	37.48	37.21
33	80000	2160003	4560004	22320006	16.19	38.68	38.58	38.74
34	82500	2227503	4702504	23017506	17.12	40.08	40.01	40.01
35	85000	2295003	4845004	23715006	17.58	41.72	41.14	41.43
36	87500	2362503	4987504	24412506	17.69	42.79	42.74	42.67
37	90000	2430003	5130004	25110006	18.28	44.67	44.08	44.10
38	92500	2497503	5272504	25807506	18.83	45.54	45.73	45.57
39	95000	2565003	5415004	26505006	19.83	46.97	46.81	46.94
40	97500	2632503	5557504	27202506	19.93	48.21	48.22	48.39
41	100000	2700003	5700004	27900006	20.65	49.56	49.60	49.81

Table 259: *or*3-pyr3seq-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	111	232	1122	0.00	0.00	0.00	0.00
2	2500	67503	142504	697506	57.53	53.79	53.28	52.85
3	5000	135003	285004	1395006	241.41	256.22	256.49	225.55
4	7500	202503	427504	2092506	602.41	617.79	615.94	586.78
5	10000	270003	570004	2790006	1119.04	1098.78	1095.88	1074.29
6	12500	337503	712504	3487506	1821.67	1774.87	1768.58	1671.75
7	15000	405003	855004	4185006	2624.46	2493.78	2506.80	2536.14
8	17500	472503	997504	4882506	to	3472.32	3456.46	to
9	20000	540003	1140004	5580006		to	to	to

Table 260: *or*3-pyr3seq-picosat

6.6 pyr5seq

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	243	564	2766	0.00	0.01	0.01	0.01
2	1000	60003	140004	690006	2.72	3.44	3.45	3.43
3	2000	120003	280004	1380006	5.54	7.57	7.53	7.67
4	3000	180003	420004	2070006	6.39	11.61	11.59	11.63
5	4000	240003	560004	2760006	9.69	15.75	15.70	15.76
6	5000	300003	700004	3450006	13.07	20.02	19.91	20.00
7	6000	360003	840004	4140006	12.26	23.59	23.56	23.68
8	7000	420003	980004	4830006	17.12	27.44	27.48	27.67
9	8000	480003	1120004	5520006	15.96	31.58	31.65	31.36
10	9000	540003	1260004	6210006	17.51	34.87	34.97	34.64
11	10000	600003	1400004	6900006	19.20	38.30	38.30	38.26
12	11000	660003	1540004	7590006	20.72	42.58	42.19	42.26
13	12000	720003	1680004	8280006	22.92	45.90	45.87	46.35
14	13000	780003	1820004	8970006	23.93	49.79	49.70	49.20
15	14000	840003	1960004	9660006	25.68	53.19	53.05	53.30

16	15000	900003	2100004	10350006	27.16	56.60	56.51	56.95
17	16000	960003	2240004	11040006	28.77	58.12	58.33	60.06
18	17000	1020003	2380004	11730006	29.75	62.01	62.61	61.97
19	18000	1080003	2520004	12420006	30.79	65.40	65.90	65.62
20	19000	1140003	2660004	13110006	32.86	68.66	68.80	69.01
21	20000	1200003	2800004	13800006	33.58	72.84	73.17	72.19
22	21000	1260003	2940004	14490006	35.28	76.99	76.75	75.40
23	22000	1320003	3080004	15180006	37.11	78.94	78.92	80.19
24	23000	1380003	3220004	15870006	38.38	82.85	83.22	83.29
25	24000	1440003	3360004	16560006	39.86	86.95	86.67	87.29
26	25000	1500003	3500004	17250006	41.37	90.43	90.70	82.76
27	26000	1560003	3640004	17940006	42.79	92.07	92.31	93.88
28	27000	1620003	3780004	18630006	44.33	98.12	97.79	94.64
29	28000	1680003	3920004	19320006	46.12	98.66	98.61	96.94
30	29000	1740003	4060004	20010006	47.37	100.63	100.66	103.13
31	30000	1800003	4200004	20700006	48.52	108.42	108.51	108.45
32	31000	1860003	4340004	21390006	50.46	109.64	109.74	111.83
33	32000	1920003	4480004	22080006	51.97	112.42	112.30	114.15
34	33000	1980003	4620004	22770006	53.09	105.99	106.20	109.28
35	34000	2040003	4760004	23460006	54.87	121.72	121.75	113.31
36	35000	2100003	4900004	24150006	56.34	118.58	118.51	124.86
37	36000	2160003	5040004	24840006	58.09	129.94	129.67	126.26
38	37000	2220003	5180004	25530006	59.67	129.78	129.47	126.04
39	38000	2280003	5320004	26220006	61.09	137.10	137.10	137.63
40	39000	2340003	5460004	26910006	63.13	140.27	140.12	133.91
41	40000	2400003	5600004	27600006	63.80	138.23	138.22	135.81
42	41000	2460003	5740004	28290006	65.36	144.40	144.31	131.03
43	42000	2520003	5880004	28980006	66.93	151.36	151.28	151.08
44	43000	2580003	6020004	29670006	68.55	148.90	149.03	146.31
45	44000	2640003	6160004	30360006	69.51	154.12	154.64	151.16
46	45000	2700003	6300004	31050006	71.36	158.58	158.51	159.04
47	46000	2760003	6440004	31740006	72.67	156.74	156.23	156.27
48	47000	2820003	6580004	32430006	74.36	164.99	164.73	175.59
49	48000	2880003	6720004	33120006	75.96	169.49	169.38	153.59
50	49000	2940003	6860004	33810006	77.41	173.19	173.01	156.99
51	50000	3000003	7000004	34500006	78.51	179.66	179.63	161.61

Table 261: *or*3-pyr5seq-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	243	564	2766	0.01	0.00	0.00	0.01
2	1000	60003	140004	690006	76.90	134.32	134.48	22.50
3	2000	120003	280004	1380006	643.89	129.40	128.80	74.66
4	3000	180003	420004	2070006	518.09	499.24	496.19	220.31
5	4000	240003	560004	2760006	202.61	253.93	252.58	303.27
6	5000	300003	700004	3450006	290.49	1122.80	1131.72	480.32
7	6000	360003	840004	4140006	493.54	657.41	656.26	684.50
8	7000	420003	980004	4830006	567.68	1005.61	1012.56	917.41
9	8000	480003	1120004	5520006	868.41	1059.37	1067.12	1601.77
10	9000	540003	1260004	6210006	1103.75	1573.78	1573.31	1598.60
11	10000	600003	1400004	6900006	1436.81	1773.90	1770.71	1900.37
12	11000	660003	1540004	7590006	1832.18	2263.18	2265.20	2367.96
13	12000	720003	1680004	8280006	2207.92	3110.73	3117.29	2874.11
14	13000	780003	1820004	8970006	2438.98	3326.43	3328.64	to
15	14000	840003	1960004	9660006		to	to	to

Table 262: *or*3-pyr5seq-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3

1	4	243	564	2766	0.00	0.00	0.00	0.00
2	1000	60003	140004	690006	0.39	0.61	0.61	0.61
3	2000	120003	280004	1380006	0.81	1.47	1.46	1.46
4	3000	180003	420004	2070006	1.32	2.42	2.43	2.38
5	4000	240003	560004	2760006	1.70	3.40	3.39	3.41
6	5000	300003	700004	3450006	2.18	4.44	4.45	4.47
7	6000	360003	840004	4140006	2.67	5.52	5.51	5.61
8	7000	420003	980004	4830006	3.12	6.63	6.69	6.71
9	8000	480003	1120004	5520006	3.56	7.69	7.73	7.77
10	9000	540003	1260004	6210006	4.07	8.96	8.88	8.82
11	10000	600003	1400004	6900006	4.49	10.02	10.09	10.02
12	11000	660003	1540004	7590006	4.88	11.25	11.26	11.24
13	12000	720003	1680004	8280006	5.51	12.35	12.45	12.42
14	13000	780003	1820004	8970006	6.00	13.62	13.51	13.63
15	14000	840003	1960004	9660006	6.35	14.79	14.82	14.66
16	15000	900003	2100004	10350006	6.92	15.93	16.01	15.98
17	16000	960003	2240004	11040006	7.44	17.16	17.06	17.10
18	17000	1020003	2380004	11730006	7.90	18.36	18.36	18.26
19	18000	1080003	2520004	12420006	8.15	19.75	19.74	19.59
20	19000	1140003	2660004	13110006	8.87	20.84	20.85	20.91
21	20000	1200003	2800004	13800006	9.33	22.12	22.03	22.15
22	21000	1260003	2940004	14490006	9.74	23.35	23.40	23.46
23	22000	1320003	3080004	15180006	10.24	24.63	24.49	24.54
24	23000	1380003	3220004	15870006	10.76	25.84	26.03	26.03
25	24000	1440003	3360004	16560006	11.40	27.39	27.18	27.14
26	25000	1500003	3500004	17250006	11.80	28.50	28.55	28.47
27	26000	1560003	3640004	17940006	12.20	29.80	29.95	29.75
28	27000	1620003	3780004	18630006	12.65	31.29	31.16	31.30
29	28000	1680003	3920004	19320006	13.19	32.65	32.45	32.44
30	29000	1740003	4060004	20010006	13.87	33.65	33.75	33.59
31	30000	1800003	4200004	20700006	14.21	35.17	34.96	34.97
32	31000	1860003	4340004	21390006	14.73	36.32	36.43	36.23
33	32000	1920003	4480004	22080006	15.24	37.64	37.58	37.52
34	33000	1980003	4620004	22770006	15.81	39.15	39.08	39.28
35	34000	2040003	4760004	23460006	16.26	40.39	40.23	40.27
36	35000	2100003	4900004	24150006	16.54	41.71	41.55	41.74
37	36000	2160003	5040004	24840006	17.18	42.86	42.85	43.14
38	37000	2220003	5180004	25530006	17.68	44.17	44.25	44.28
39	38000	2280003	5320004	26220006	18.11	45.39	45.63	45.51
40	39000	2340003	5460004	26910006	18.77	47.00	46.90	47.26
41	40000	2400003	5600004	27600006	19.36	48.44	48.28	48.42
42	41000	2460003	5740004	28290006	19.84	49.87	49.77	49.93
43	42000	2520003	5880004	28980006	20.22	51.13	51.32	51.16
44	43000	2580003	6020004	29670006	20.77	52.73	52.32	52.32
45	44000	2640003	6160004	30360006	21.33	53.82	53.66	53.71
46	45000	2700003	6300004	31050006	21.80	55.25	55.30	55.14
47	46000	2760003	6440004	31740006	22.38	65.10	56.61	56.55
48	47000	2820003	6580004	32430006	22.75	58.13	58.06	58.01
49	48000	2880003	6720004	33120006	23.36	59.42	59.34	59.52
50	49000	2940003	6860004	33810006	23.78	60.75	60.95	60.79
51	50000	3000003	7000004	34500006	24.23	62.30	62.10	62.04

Table 263: *or*3-pyr5seq-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	243	564	2766	0.04	0.03	0.04	0.08
2	1000	60003	140004	690006	80.62	79.96	83.91	76.86
3	2000	120003	280004	1380006	329.63	349.27	349.13	386.82
4	3000	180003	420004	2070006	847.79	840.20	836.02	914.70
5	4000	240003	560004	2760006	1506.86	1615.63	1614.14	1538.73
6	5000	300003	700004	3450006	2485.58	2592.46	2590.65	2524.48

7	6000	360003	840004	4140006	to	to		to

Table 264: *or*3-pyr5seq-picosat

6.7 pyramid

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	18	33	147	0.00	0.00	0.00	0.00
2	4	45	98	468	0.00	0.00	0.00	0.00
3	6	84	199	969	0.00	0.00	0.00	0.00
4	8	135	336	1650	0.00	0.01	0.01	0.00
5	10	198	509	2511	0.00	0.01	0.01	0.01
6	12	273	718	3552	0.01	0.02	0.02	0.02
7	14	360	963	4773	0.01	0.03	0.03	0.01
8	16	459	1244	6174	0.01	0.02	0.02	0.02
9	18	570	1561	7755	0.01	0.05	0.04	0.04
10	20	693	1914	9516	0.03	0.03	0.03	0.03
11	22	828	2303	11457	0.02	0.06	0.04	0.06
12	24	975	2728	13578	0.03	0.03	0.07	0.03
13	26	1134	3189	15879	0.03	0.05	0.05	0.05
14	28	1305	3686	18360	0.03	0.05	0.05	0.05
15	30	1488	4219	21021	0.09	0.06	0.06	0.06
16	32	1683	4788	23862	0.05	0.07	0.07	0.07
17	34	1890	5393	26883	0.08	0.12	0.13	0.12
18	36	2109	6034	30084	0.10	0.15	0.14	0.09
19	38	2340	6711	33465	0.12	0.15	0.10	0.10
20	40	2583	7424	37026	0.08	0.17	0.09	0.17
21	42	2838	8173	40767	0.08	0.12	0.21	0.10
22	44	3105	8958	44688	0.17	0.22	0.22	0.23
23	46	3384	9779	48789	0.19	0.24	0.24	0.24
24	48	3675	10636	53070	0.19	0.26	0.25	0.25
25	50	3978	11529	57531	0.22	0.27	0.28	0.34
26	52	4293	12458	62172	0.23	0.30	0.30	0.29
27	54	4620	13423	66993	0.26	0.32	0.32	0.31
28	56	4959	14424	71994	0.26	0.34	0.34	0.35
29	58	5310	15461	77175	0.28	0.35	0.36	0.36
30	60	5673	16534	82536	0.31	0.35	0.39	0.36
31	62	6048	17643	88077	0.32	0.41	0.42	0.39
32	64	6435	18788	93798	0.31	0.39	0.43	0.37
33	66	6834	19969	99699	0.33	0.41	0.46	0.38
34	68	7245	21186	105780	0.37	0.47	0.49	0.47
35	70	7668	22439	112041	0.40	0.48	0.48	0.50
36	72	8103	23728	118482	0.41	0.54	0.55	0.47
37	74	8550	25053	125103	0.39	0.58	0.53	0.43
38	76	9009	26414	131904	0.36	0.51	0.60	0.53
39	78	9480	27811	138885	0.51	0.36	0.35	0.37
40	80	9963	29244	146046	0.51	0.67	0.56	0.38
41	82	10458	30713	153387	0.33	0.41	0.60	0.41
42	84	10965	32218	160908	0.54	0.43	0.62	0.42
43	86	11484	33759	168609	0.60	0.63	0.44	0.45
44	88	12015	35336	176490	0.39	0.73	0.48	0.48
45	90	12558	36949	184551	0.40	0.69	0.48	0.50
46	92	13113	38598	192792	0.43	0.50	0.73	0.51
47	94	13680	40283	201213	0.41	0.53	0.79	0.54
48	96	14259	42004	209814	0.45	0.56	0.87	0.55
49	98	14850	43761	218595	0.48	0.81	0.91	0.59
50	100	15453	45554	227556	0.47	0.60	0.60	0.96
51	105	17013	50194	250746	0.82	0.67	0.93	0.97
52	110	18648	55059	275061	0.79	1.05	0.96	1.09
53	115	20358	60149	300501	1.02	1.16	0.78	0.81
54	120	22143	65464	327066	1.03	1.09	1.14	1.16

55	125	24003	71004	354756	1.11	1.19	0.95	0.96
56	130	25938	76769	383571	0.84	1.39	1.21	1.22
57	135	27948	82759	413511	1.14	1.13	1.40	1.13
58	140	30033	88974	444576	1.32	1.26	1.43	1.23
59	145	32193	95414	476766	1.08	1.33	1.42	1.35
60	150	34428	102079	510081	1.45	1.65	1.66	1.45
61	155	36738	108969	544521	1.23	1.55	1.59	1.75
62	160	39123	116084	580086	1.32	1.66	1.67	1.69
63	165	41583	123424	616776	1.65	1.82	1.81	1.80
64	170	44118	130989	654591	1.44	1.96	1.98	1.96
65	175	46728	138779	693531	1.54	2.27	2.12	2.12
66	180	49413	146794	733596	2.05	2.30	2.28	2.31
67	185	52173	155034	774786	1.88	2.46	2.45	2.44
68	190	55008	163499	817101	1.99	2.62	2.61	2.68
69	195	57918	172189	860541	2.34	2.77	2.82	2.78
70	200	60903	181104	905106	2.26	2.99	2.98	3.24
71	205	63963	190244	950796	2.27	3.39	3.18	3.41
72	210	67098	199609	997611	2.61	3.68	3.41	3.37
73	215	70308	209199	1045551	2.69	3.86	3.60	3.79
74	220	73593	219014	1094616	2.91	4.23	3.84	4.10
75	225	76953	229054	1144806	2.92	4.00	4.03	3.99
76	230	80388	239319	1196121	3.07	4.46	4.37	4.60
77	235	83898	249809	1248561	3.34	4.76	4.61	4.29
78	240	87483	260524	1302126	3.25	4.71	4.52	4.58
79	245	91143	271464	1356816	3.73	4.78	5.14	5.04
80	250	94878	282629	1412631	3.61	4.88	4.88	4.88
81	255	98688	294019	1469571	3.69	5.24	5.07	5.09
82	260	102573	305634	1527636	3.86	5.31	5.49	5.30
83	265	106533	317474	1586826	4.00	5.96	5.65	5.69
84	270	110568	329539	1647141	4.10	6.04	6.03	5.79
85	275	114678	341829	1708581	4.46	5.91	6.36	6.15
86	280	118863	354344	1771146	4.37	6.44	6.20	6.36
87	285	123123	367084	1834836	4.55	6.44	6.48	6.45
88	290	127458	380049	1899651	4.77	6.67	6.69	6.68
89	295	131868	393239	1965591	4.83	6.96	6.89	7.19
90	300	136353	406654	2032656	5.29	7.19	7.17	7.17
91	305	140913	420294	2100846	5.18	7.42	7.47	7.43
92	310	145548	434159	2170161	5.08	7.72	7.71	7.72
93	315	150258	448249	2240601	5.36	7.86	7.89	7.90
94	320	155043	462564	2312166	5.35	8.11	8.13	8.10
95	325	159903	477104	2384856	5.98	8.50	8.47	8.50
96	330	164838	491869	2458671	5.99	8.81	8.80	9.11
97	335	169848	506859	2533611	6.05	9.12	9.10	9.03
98	340	174933	522074	2609676	6.45	9.36	9.34	9.53
99	345	180093	537514	2686866	6.32	10.02	9.65	9.82
100	350	185328	553179	2765181	6.56	10.02	10.20	9.98
101	355	190638	569069	2844621	6.59	10.26	10.25	10.35
102	360	196023	585184	2925186	6.93	10.62	10.73	10.85
103	365	201483	601524	3006876	7.22	11.27	10.96	10.99
104	370	207018	618089	3089691	7.38	11.53	11.42	11.33
105	375	212628	634879	3173631	7.83	11.49	11.41	11.87
106	380	218313	651894	3258696	7.96	12.07	12.04	12.54
107	385	224073	669134	3344886	7.97	12.51	12.70	12.24
108	390	229908	686599	3432201	8.17	12.83	12.92	13.02
109	395	235818	704289	3520641	8.23	13.09	13.84	13.16
110	400	241803	722204	3610206	8.40	13.41	13.48	13.61
111	405	247863	740344	3700896	8.82	13.96	13.90	14.72
112	410	253998	758709	3792711	9.08	14.06	14.57	14.30
113	415	260208	777299	3885651	9.52	14.59	14.71	14.84
114	420	266493	796114	3979716	9.64	15.01	15.21	15.20
115	425	272853	815154	4074906	9.64	15.50	15.70	15.37
116	430	279288	834419	4171221	9.75	15.97	15.75	15.59

117	435	285798	853909	4268661	9.97	16.16	16.10	16.28
118	440	292383	873624	4367226	10.10	16.75	16.93	16.40
119	445	299043	893564	4466916	10.52	17.06	17.23	17.30
120	450	305778	913729	4567731	10.62	16.63	16.88	16.99
121	455	312588	934119	4669671	10.86	17.12	17.35	17.22
122	460	319473	954734	4772736	10.54	17.85	17.71	17.33
123	465	326433	975574	4876926	11.17	18.07	18.08	17.81
124	470	333468	996639	4982241	11.10	18.14	18.22	18.05
125	475	340578	1017929	5088681	11.54	18.86	18.53	18.49
126	480	347763	1039444	5196246	11.48	19.07	19.18	19.38
127	485	355023	1061184	5304936	12.02	19.65	19.51	19.31
128	490	362358	1083149	5414751	11.79	19.71	19.74	19.92
129	495	369768	1105339	5525691	12.18	20.16	20.33	20.16
130	500	377253	1127754	5637756	12.26	20.53	20.34	20.48
131	525	415803	1243204	6214956	14.08	22.49	22.51	22.50
132	550	456228	1364279	6820281	14.17	23.66	23.71	23.90
133	575	498528	1490979	7453731	14.97	25.94	25.77	26.21
134	600	542703	1623304	8115306	16.00	27.97	27.89	28.02
135	625	588753	1761254	8805006	17.21	29.92	29.73	30.08
136	650	636678	1904829	9522831	17.78	32.06	31.82	31.76
137	675	686478	2054029	10268781	19.26	34.25	34.27	34.48
138	700	738153	2208854	11042856	20.40	36.41	36.35	36.35
139	725	791703	2369304	11845056	21.96	38.68	38.77	38.61
140	750	847128	2535379	12675381	22.30	41.16	41.23	41.39
141	775	904428	2707079	13533831	23.66	43.38	43.45	43.31
142	800	963603	2884404	14420406	23.55	43.84	43.68	43.65
143	825	1024653	3067354	15335106	24.64	46.40	46.56	46.39
144	850	1087578	3255929	16277931	26.39	49.16	49.24	48.91
145	875	1152378	3450129	17248881	27.92	51.94	52.20	51.98
146	900	1219053	3649954	18247956	29.02	55.41	55.03	54.92
147	925	1287603	3855404	19275156	30.41	57.90	57.73	57.74
148	950	1358028	4066479	20330481	32.85	60.91	60.52	61.27
149	975	1430328	4283179	21413931	33.65	64.23	64.25	63.85
150	1000	1504503	4505504	22525506	34.61	67.02	67.18	66.85

Table 265: *or*3-pyramid-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	18	33	147	0.00	0.00	0.00	0.00
2	4	45	98	468	0.00	0.00	0.00	0.00
3	6	84	199	969	0.00	0.01	0.01	0.00
4	8	135	336	1650	0.00	0.01	0.01	0.03
5	10	198	509	2511	0.02	0.02	0.01	0.05
6	12	273	718	3552	0.78	0.03	0.02	0.21
7	14	360	963	4773	0.05	0.08	0.14	0.37
8	16	459	1244	6174	2.25	1.97	1.95	4.87
9	18	570	1561	7755	4.59	14.08	14.38	5.19
10	20	693	1914	9516	14.77	10.25	10.30	12.35
11	22	828	2303	11457	58.42	42.73	42.72	18.25
12	24	975	2728	13578	30.24	131.03	130.62	60.28
13	26	1134	3189	15879	38.94	39.62	40.05	17.23
14	28	1305	3686	18360	99.07	143.12	142.68	63.00
15	30	1488	4219	21021	139.54	222.76	222.57	63.13
16	32	1683	4788	23862	239.23	268.80	268.72	72.79
17	34	1890	5393	26883	262.25	341.23	344.04	251.22
18	36	2109	6034	30084	116.60	785.01	784.67	116.82
19	38	2340	6711	33465	1792.80	1033.60	1026.71	564.67
20	40	2583	7424	37026	1865.17	to	to	1303.90
21	42	2838	8173	40767	to	to	to	

Table 266: *or*3-pyramid-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	18	33	147	0.00	0.00	0.00	0.00
2	4	45	98	468	0.00	0.00	0.00	0.00
3	6	84	199	969	0.00	0.00	0.00	0.00
4	8	135	336	1650	0.00	0.00	0.00	0.00
5	10	198	509	2511	0.00	0.00	0.00	0.00
6	12	273	718	3552	0.00	0.00	0.00	0.00
7	14	360	963	4773	0.00	0.00	0.00	0.00
8	16	459	1244	6174	0.00	0.00	0.00	0.00
9	18	570	1561	7755	0.00	0.00	0.00	0.00
10	20	693	1914	9516	0.00	0.00	0.00	0.00
11	22	828	2303	11457	0.00	0.01	0.00	0.00
12	24	975	2728	13578	0.00	0.01	0.00	0.00
13	26	1134	3189	15879	0.00	0.01	0.01	0.01
14	28	1305	3686	18360	0.01	0.01	0.01	0.01
15	30	1488	4219	21021	0.01	0.00	0.01	0.01
16	32	1683	4788	23862	0.02	0.01	0.01	0.00
17	34	1890	5393	26883	0.01	0.01	0.03	0.01
18	36	2109	6034	30084	0.02	0.03	0.03	0.03
19	38	2340	6711	33465	0.03	0.02	0.02	0.02
20	40	2583	7424	37026	0.03	0.02	0.02	0.01
21	42	2838	8173	40767	0.03	0.02	0.04	0.02
22	44	3105	8958	44688	0.04	0.04	0.04	0.05
23	46	3384	9779	48789	0.03	0.05	0.05	0.05
24	48	3675	10636	53070	0.05	0.05	0.04	0.05
25	50	3978	11529	57531	0.05	0.06	0.06	0.05
26	52	4293	12458	62172	0.05	0.07	0.06	0.06
27	54	4620	13423	66993	0.06	0.07	0.06	0.07
28	56	4959	14424	71994	0.06	0.08	0.08	0.08
29	58	5310	15461	77175	0.06	0.07	0.08	0.07
30	60	5673	16534	82536	0.06	0.07	0.08	0.09
31	62	6048	17643	88077	0.08	0.10	0.10	0.10
32	64	6435	18788	93798	0.07	0.09	0.09	0.09
33	66	6834	19969	99699	0.08	0.10	0.11	0.09
34	68	7245	21186	105780	0.09	0.11	0.11	0.12
35	70	7668	22439	112041	0.08	0.10	0.11	0.10
36	72	8103	23728	118482	0.10	0.13	0.12	0.07
37	74	8550	25053	125103	0.09	0.13	0.14	0.11
38	76	9009	26414	131904	0.09	0.12	0.13	0.14
39	78	9480	27811	138885	0.10	0.07	0.09	0.09
40	80	9963	29244	146046	0.13	0.10	0.17	0.08
41	82	10458	30713	153387	0.08	0.08	0.18	0.10
42	84	10965	32218	160908	0.06	0.11	0.10	0.11
43	86	11484	33759	168609	0.15	0.18	0.09	0.10
44	88	12015	35336	176490	0.09	0.20	0.12	0.12
45	90	12558	36949	184551	0.09	0.13	0.13	0.13
46	92	13113	38598	192792	0.10	0.13	0.22	0.13
47	94	13680	40283	201213	0.11	0.13	0.24	0.13
48	96	14259	42004	209814	0.10	0.14	0.22	0.15
49	98	14850	43761	218595	0.12	0.23	0.17	0.16
50	100	15453	45554	227556	0.10	0.15	0.16	0.26
51	105	17013	50194	250746	0.24	0.18	0.31	0.29
52	110	18648	55059	275061	0.25	0.34	0.34	0.33
53	115	20358	60149	300501	0.28	0.36	0.23	0.20
54	120	22143	65464	327066	0.28	0.40	0.41	0.40
55	125	24003	71004	354756	0.31	0.44	0.28	0.25
56	130	25938	76769	383571	0.21	0.27	0.48	0.48
57	135	27948	82759	413511	0.36	0.31	0.49	0.33
58	140	30033	88974	444576	0.38	0.35	0.48	0.36
59	145	32193	95414	476766	0.26	0.36	0.39	0.55
60	150	34428	102079	510081	0.48	0.60	0.64	0.40
61	155	36738	108969	544521	0.31	0.74	0.45	0.63

62	160	39123	116084	580086	0.30	0.68	0.77	0.48
63	165	41583	123424	616776	0.34	0.53	0.81	0.52
64	170	44118	130989	654591	0.35	0.90	0.55	0.83
65	175	46728	138779	693531	0.62	0.60	0.78	0.61
66	180	49413	146794	733596	0.64	0.66	0.92	0.90
67	185	52173	155034	774786	0.40	0.69	0.90	0.72
68	190	55008	163499	817101	0.46	0.73	1.05	0.73
69	195	57918	172189	860541	0.74	0.80	0.82	0.80
70	200	60903	181104	905106	0.47	0.82	1.14	0.84
71	205	63963	190244	950796	0.52	1.22	1.15	1.16
72	210	67098	199609	997611	0.59	1.21	1.13	0.97
73	215	70308	209199	1045551	0.64	1.09	1.04	1.06
74	220	73593	219014	1094616	0.93	1.10	1.32	1.28
75	225	76953	229054	1144806	0.67	1.32	1.17	1.41
76	230	80388	239319	1196121	0.68	1.25	1.43	1.41
77	235	83898	249809	1248561	0.70	1.57	1.55	1.47
78	240	87483	260524	1302126	1.07	1.58	1.38	1.65
79	245	91143	271464	1356816	0.77	1.75	1.70	1.49
80	250	94878	282629	1412631	1.13	1.49	1.53	1.53
81	255	98688	294019	1469571	1.19	1.60	1.57	1.62
82	260	102573	305634	1527636	0.86	1.82	1.92	1.73
83	265	106533	317474	1586826	1.19	1.80	1.99	1.78
84	270	110568	329539	1647141	0.96	2.04	2.02	1.91
85	275	114678	341829	1708581	1.21	2.11	2.12	1.98
86	280	118863	354344	1771146	1.01	2.31	2.07	2.24
87	285	123123	367084	1834836	1.29	2.14	2.13	2.10
88	290	127458	380049	1899651	1.77	2.44	2.49	2.23
89	295	131868	393239	1965591	1.15	2.55	2.40	2.50
90	300	136353	406654	2032656	1.18	2.59	2.47	2.45
91	305	140913	420294	2100846	1.56	2.51	2.52	2.72
92	310	145548	434159	2170161	1.67	2.68	2.64	2.59
93	315	150258	448249	2240601	1.29	2.93	3.00	2.96
94	320	155043	462564	2312166	1.34	2.88	2.99	3.08
95	325	159903	477104	2384856	1.64	3.15	3.00	3.14
96	330	164838	491869	2458671	1.43	3.11	3.27	3.10
97	335	169848	506859	2533611	1.80	3.39	3.35	3.23
98	340	174933	522074	2609676	1.46	3.32	3.49	3.60
99	345	180093	537514	2686866	1.56	3.76	3.65	3.59
100	350	185328	553179	2765181	1.62	3.79	3.71	3.59
101	355	190638	569069	2844621	1.70	3.83	3.71	3.85
102	360	196023	585184	2925186	1.72	3.89	4.07	3.99
103	365	201483	601524	3006876	2.05	3.97	3.94	3.95
104	370	207018	618089	3089691	1.80	4.28	4.34	4.21
105	375	212628	634879	3173631	2.21	4.21	4.23	4.44
106	380	218313	651894	3258696	1.90	4.55	4.40	4.74
107	385	224073	669134	3344886	2.18	4.71	4.82	4.74
108	390	229908	686599	3432201	2.26	4.71	4.66	4.91
109	395	235818	704289	3520641	2.41	4.79	5.38	4.94
110	400	241803	722204	3610206	2.46	4.96	5.01	5.14
111	405	247863	740344	3700896	2.10	5.09	5.10	5.48
112	410	253998	758709	3792711	2.22	5.27	5.69	5.43
113	415	260208	777299	3885651	2.58	5.55	5.45	5.68
114	420	266493	796114	3979716	2.62	5.73	5.84	5.77
115	425	272853	815154	4074906	2.77	5.79	6.11	5.77
116	430	279288	834419	4171221	2.77	5.87	5.95	5.87
117	435	285798	853909	4268661	2.95	6.11	6.31	6.14
118	440	292383	873624	4367226	2.64	6.51	6.25	6.23
119	445	299043	893564	4466916	2.77	6.46	6.67	6.40
120	450	305778	913729	4567731	2.72	6.82	6.60	6.77
121	455	312588	934119	4669671	2.82	7.09	6.79	6.92
122	460	319473	954734	4772736	3.19	7.23	6.99	7.21
123	465	326433	975574	4876926	2.95	7.30	7.32	7.36

124	470	333468	996639	4982241	3.01	7.48	7.34	7.73
125	475	340578	1017929	5088681	3.02	7.71	7.75	7.76
126	480	347763	1039444	5196246	3.32	7.78	7.78	7.73
127	485	355023	1061184	5304936	3.41	8.09	8.30	7.90
128	490	362358	1083149	5414751	3.52	8.14	8.29	8.16
129	495	369768	1105339	5525691	3.61	8.48	8.46	8.31
130	500	377253	1127754	5637756	3.76	8.50	8.39	8.44
131	525	415803	1243204	6214956	3.92	9.72	9.55	9.71
132	550	456228	1364279	6820281	4.35	10.67	10.68	10.75
133	575	498528	1490979	7453731	4.43	11.96	11.71	11.77
134	600	542703	1623304	8115306	5.16	13.06	13.04	12.98
135	625	588753	1761254	8805006	5.67	14.45	14.45	14.48
136	650	636678	1904829	9522831	5.90	15.65	15.96	15.74
137	675	686478	2054029	10268781	6.69	17.06	17.18	17.20
138	700	738153	2208854	11042856	6.63	18.56	18.78	18.65
139	725	791703	2369304	11845056	7.50	20.27	20.28	20.22
140	750	847128	2535379	12675381	7.77	21.74	21.77	21.98
141	775	904428	2707079	13533831	8.37	23.38	23.70	23.53
142	800	963603	2884404	14420406	8.83	25.25	25.14	25.36
143	825	1024653	3067354	15335106	9.64	27.03	27.05	26.93
144	850	1087578	3255929	16277931	10.38	28.90	28.80	28.68
145	875	1152378	3450129	17248881	11.04	30.81	31.00	30.74
146	900	1219053	3649954	18247956	11.53	32.90	32.95	32.99
147	925	1287603	3855404	19275156	12.22	35.04	35.04	35.01
148	950	1358028	4066479	20330481	12.75	37.33	37.26	37.30
149	975	1430328	4283179	21413931	13.84	39.53	39.51	39.42
150	1000	1504503	4505504	22525506	14.42	42.11	41.79	41.64

Table 267: *or*3-pyramid-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	18	33	147	0.00	0.00	0.00	0.00
2	4	45	98	468	0.00	0.00	0.00	0.00
3	6	84	199	969	0.01	0.01	0.01	0.00
4	8	135	336	1650	0.17	0.20	0.04	0.17
5	10	198	509	2511	0.45	0.23	0.24	0.10
6	12	273	718	3552	0.32	0.07	0.32	0.30
7	14	360	963	4773	1.21	0.17	0.17	0.15
8	16	459	1244	6174	0.16	0.43	5.15	1.51
9	18	570	1561	7755	5.75	6.17	6.20	0.31
10	20	693	1914	9516	10.96	17.53	17.79	0.42
11	22	828	2303	11457	102.14	0.75	12.43	27.71
12	24	975	2728	13578	27.05	1.99	1.70	0.64
13	26	1134	3189	15879	1.54	1.25	27.43	8.00
14	28	1305	3686	18360	1.24	0.92	71.59	89.85
15	30	1488	4219	21021	12.76	2.20	2.04	2.39
16	32	1683	4788	23862	to	2.78	3.13	566.00
17	34	1890	5393	26883	2280.53	998.34	4.16	828.42
18	36	2109	6034	30084	to	9.11	1103.57	1229.75
19	38	2340	6711	33465	5.52	1496.87	15.59	14.42
20	40	2583	7424	37026	to	2517.45	2512.29	3356.90
21	42	2838	8173	40767	to	14.05	to	to

Table 268: *or*3-pyramid-picosat

6.8 pyrofpyr

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	27	52	240	0.00	0.00	0.00	0.00
2	2	108	255	1245	0.00	0.00	0.00	0.00

3	3	300	775	3831	0.01	0.02	0.02	0.02
4	4	675	1828	9078	0.04	0.04	0.04	0.03
5	5	1323	3684	18336	0.08	0.10	0.10	0.10
6	6	2352	6667	33225	0.14	0.41	0.39	0.21
7	7	3888	11155	55635	0.23	0.28	0.28	0.30
8	8	6075	17580	87726	0.35	0.57	0.57	0.50
9	9	9075	26428	131928	0.52	0.70	0.71	0.76
10	10	13068	38239	190941	0.74	1.01	1.01	1.31
11	11	18252	53607	267735	1.00	1.41	1.40	1.42
12	12	24843	73180	365550	1.38	1.91	1.93	1.93
13	13	33075	97660	487896	1.84	3.90	3.85	2.62
14	14	43200	127803	638553	2.46	3.55	3.43	3.43
15	15	55488	164419	821571	3.17	4.65	4.62	4.50
16	16	70227	208372	1041270	4.05	5.76	5.78	5.73
17	17	87723	260580	1302240	4.85	7.06	7.04	7.13
18	18	108300	322015	1609341	5.87	8.77	8.63	8.72
19	19	132300	393703	1967703	7.05	10.51	10.51	10.56
20	20	160083	476724	2382726	8.32	12.73	12.73	12.77
21	21	192027	572212	2860080	9.79	15.24	15.29	15.27
22	22	228528	681355	3405705	11.81	18.18	18.15	18.13
23	23	270000	805395	4025811	13.38	21.49	21.48	21.38
24	24	316875	945628	4726878	16.03	24.80	24.80	24.82
25	25	369603	1103404	5515656	17.68	28.54	28.54	28.72
26	26	428652	1280127	6399165	20.23	32.91	33.12	32.86
27	27	494508	1477255	7384695	22.48	36.66	36.68	36.78
28	28	567675	1696300	8479806	25.11	41.60	41.57	41.97
29	29	648675	1938828	9692328	27.68	46.63	46.77	46.57
30	30	738048	2206459	11030361	31.33	52.34	52.67	52.32
31	31	836352	2500867	12502275	35.20	58.60	58.35	58.32
32	32	944163	2823780	14116710	37.89	63.49	63.38	63.52
33	33	1062075	3176980	15882576	42.15	70.76	70.81	70.98
34	34	1190700	3562303	17809053	80.23	78.51	78.58	78.59
35	35	1330668	3981639	19905591	148.02	87.07	87.37	87.09
36	36	1482627	4436932	22181910	207.89	165.36	165.22	174.09
37	37	1647243	4930180	24648000	278.97	283.40	284.19	234.32
38	38	1825200	5463435	27314121	322.07	435.37	434.84	395.11
39	39	2017200	6038803	30190803	344.95	571.76	571.45	543.23
40	40	2223963	6658444	33288846	322.40	654.93	652.29	700.32
41	41	2446227	7324572	36619320	394.90	855.39	855.70	850.49
42	42	2684748	8039455	40193565	391.48	943.70	944.10	930.54
43	43	2940300	8805415	44023191	462.35	1043.66	1044.63	996.11
44	44	3213675	9624828	48120078	531.33	1124.84	1121.24	1115.78
45	45	3505683	10500124	52496376	573.57	1189.63	1188.66	1209.76
46	46	3817152	11433787	57164505	592.87	1281.56	1278.91	1335.03
47	47	4148928	12428355	62137155	758.27	mo	mo	mo

Table 269: *or*3-pyrofpyr-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	27	52	240	0.00	0.00	0.00	0.00
2	2	108	255	1245	0.00	0.00	0.00	0.00
3	3	300	775	3831	0.01	0.01	0.01	0.01
4	4	675	1828	9078	0.08	0.08	0.08	0.12
5	5	1323	3684	18336	4.80	7.71	7.74	0.60
6	6	2352	6667	33225	241.76	52.17	52.15	110.74
7	7	3888	11155	55635	to	2894.32	2889.67	to
8	8	6075	17580	87726	to	to		to

Table 270: *or*3-pyrofpyr-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	27	52	240	0.00	0.00	0.00	0.00
2	2	108	255	1245	0.00	0.00	0.00	0.00
3	3	300	775	3831	0.00	0.00	0.00	0.00
4	4	675	1828	9078	0.00	0.00	0.00	0.00
5	5	1323	3684	18336	0.01	0.01	0.01	0.01
6	6	2352	6667	33225	0.02	0.02	0.01	0.02
7	7	3888	11155	55635	0.03	0.03	0.04	0.03
8	8	6075	17580	87726	0.05	0.05	0.05	0.04
9	9	9075	26428	131928	0.07	0.10	0.09	0.10
10	10	13068	38239	190941	0.10	0.15	0.15	0.15
11	11	18252	53607	267735	0.16	0.21	0.21	0.19
12	12	24843	73180	365550	0.22	0.30	0.29	0.29
13	13	33075	97660	487896	0.30	0.42	0.42	0.43
14	14	43200	127803	638553	0.41	0.57	0.60	0.58
15	15	55488	164419	821571	0.52	0.78	0.81	0.79
16	16	70227	208372	1041270	0.64	1.02	1.06	1.03
17	17	87723	260580	1302240	0.81	1.40	1.38	1.38
18	18	108300	322015	1609341	1.01	1.79	1.78	1.76
19	19	132300	393703	1967703	1.23	2.28	2.26	2.32
20	20	160083	476724	2382726	1.49	2.85	2.85	2.83
21	21	192027	572212	2860080	1.78	3.58	3.59	3.52
22	22	228528	681355	3405705	2.16	4.36	4.37	4.36
23	23	270000	805395	4025811	2.58	5.36	5.36	5.30
24	24	316875	945628	4726878	3.01	6.44	6.46	6.42
25	25	369603	1103404	5515656	3.49	7.67	7.69	7.72
26	26	428652	1280127	6399165	4.08	9.14	9.07	9.13
27	27	494508	1477255	7384695	4.64	10.72	10.68	10.66
28	28	567675	1696300	8479806	5.43	12.61	12.49	12.41
29	29	648675	1938828	9692328	6.17	14.54	14.66	14.57
30	30	738048	2206459	11030361	7.11	16.93	16.82	16.84
31	31	836352	2500867	12502275	7.98	19.40	19.38	19.46
32	32	944163	2823780	14116710	8.94	22.24	22.22	22.23
33	33	1062075	3176980	15882576	10.26	25.32	25.25	25.34
34	34	1190700	3562303	17809053	11.39	28.71	28.78	28.61
35	35	1330668	3981639	19905591	12.83	32.38	32.46	32.43
36	36	1482627	4436932	22181910	14.37	36.44	36.58	36.52
37	37	1647243	4930180	24648000	15.88	41.01	41.14	41.25
38	38	1825200	5463435	27314121	17.70	46.04	45.94	46.08
39	39	2017200	6038803	30190803	19.60	51.37	51.41	51.36
40	40	2223963	6658444	33288846	21.52	57.11	57.14	57.17
41	41	2446227	7324572	36619320	23.83	63.16	63.28	63.78
42	42	2684748	8039455	40193565	26.03	70.05	69.94	69.85
43	43	2940300	8805415	44023191	28.46	77.02	77.06	77.07
44	44	3213675	9624828	48120078	31.17	85.01	84.99	84.96
45	45	3505683	10500124	52496376	34.09	93.67	93.37	93.24
46	46	3817152	11433787	57164505	36.82	102.65	102.70	102.78
47	47	4148928	12428355	62137155	40.01	112.16	112.52	112.14
48	48	4501875	13486420	67427286	43.64	122.61	122.51	122.54
49	49	4876875	14610628	73048128	47.52	134.14	133.73	133.57
50	50	5274828	15803679	79013181	51.34	145.61	145.66	146.01

Table 271: *or*3-pyrofpyr-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	27	52	240	0.00	0.00	0.00	0.00
2	2	108	255	1245	0.00	0.00	0.00	0.00
3	3	300	775	3831	0.02	0.01	0.02	0.01
4	4	675	1828	9078	0.47	0.14	0.38	0.39
5	5	1323	3684	18336	2.01	1.41	1.39	1.33
6	6	2352	6667	33225	8.22	6.33	6.34	286.84

7	7	3888	11155	55635	to	21.85	22.01	to
8	8	6075	17580	87726	to	91.33	91.20	to
9	9	9075	26428	131928	to		to	to

Table 272: *or*3-pyrofpyr-picosat

6.9 pyrseqsqrt

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	129	286	1392	0.00	0.00	0.00	0.00
2	3	327	784	3858	0.01	0.01	0.01	0.01
3	4	663	1664	8226	0.02	0.03	0.03	0.03
4	5	1368	3539	17541	0.04	0.06	0.06	0.07
5	6	2433	6430	31920	0.08	0.13	0.12	0.12
6	7	3930	10553	52443	0.14	0.20	0.20	0.20
7	8	6387	17364	86358	0.21	0.32	0.33	0.32
8	9	9075	24916	123990	0.32	0.47	0.47	0.46
9	10	13113	36294	180696	0.43	0.65	0.65	0.68
10	11	18978	52881	263379	0.62	0.96	0.95	0.97
11	12	25275	70828	352878	0.93	1.29	1.27	1.29
12	13	33933	95554	476196	1.19	1.74	1.75	1.74
13	14	44271	125192	624042	1.56	2.35	2.32	2.36
14	15	56433	160174	798576	2.06	3.08	3.06	3.06
15	16	70563	200932	1001958	2.66	3.98	3.98	4.01
16	17	88692	253287	1263225	3.41	5.00	4.99	4.95
17	18	109515	313564	1564062	4.05	6.11	6.10	6.14
18	19	133212	382303	1907169	4.71	7.41	7.49	7.41
19	20	159963	460044	2295246	5.52	8.95	8.96	8.88
20	21	192783	555496	2771754	6.60	10.79	10.73	10.78
21	22	229551	662600	3306474	7.66	12.85	12.84	12.90
22	23	270483	782004	3902646	8.94	15.23	15.28	15.30
23	24	319467	924988	4616574	10.40	17.51	17.50	17.52
24	25	369678	1071829	5349831	11.58	20.29	20.15	20.20
25	26	429003	1245404	6216606	13.17	23.16	23.14	23.24
26	27	498639	1449256	7234602	14.35	25.67	25.84	25.73
27	28	569943	1658304	8278626	15.75	28.91	29.02	29.08
28	29	652764	1901215	9491793	17.71	32.54	32.52	32.58
29	30	742773	2165434	10811436	19.53	36.42	36.38	36.46
30	31	840258	2451825	12241875	21.53	40.54	40.53	40.64
31	32	945507	2761252	13787430	23.82	43.38	43.42	43.35
32	33	1065639	3114544	15552114	25.31	48.24	48.38	48.31
33	34	1194933	3495034	17452716	27.79	54.20	54.05	53.49
34	35	1333713	3903694	19494096	30.47	59.55	59.42	59.32
35	36	1482303	4341496	21681114	33.95	65.54	65.89	65.50
36	37	1649574	4834461	24143727	37.00	72.41	72.43	73.07
37	38	1828221	5361234	26775300	40.51	79.90	80.00	80.12
38	39	2018604	5922895	29581233	44.40	87.86	87.91	88.12
39	40	2231043	6549764	32712966	48.53	97.42	97.36	96.73
40	41	2446473	7185910	35891160	53.65	106.37	106.31	106.54
41	42	2685693	7892434	39420996	57.57	117.06	116.36	117.46
42	43	2950620	8675039	43330977	62.74	127.62	127.79	127.32
43	44	3219219	9468980	47297718	67.93	139.23	138.52	140.31
44	45	3515403	10344604	51672606	72.97	152.14	151.02	151.11
45	46	3828123	11269452	56293518	80.00	164.61	164.92	164.45
46	47	4157811	12244820	61166934	mo	mo	mo	

Table 273: *or*3-pyrseqsqrt-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3

1	2	129	286	1392	0.00	0.00	0.00	0.00
2	3	327	784	3858	0.01	0.02	0.02	0.01
3	4	663	1664	8226	0.59	0.16	0.16	0.33
4	5	1368	3539	17541	5.30	7.51	7.55	3.39
5	6	2433	6430	31920	35.01	22.45	22.47	21.81
6	7	3930	10553	52443	168.23	232.71	232.57	273.77
7	8	6387	17364	86358	2152.39	1170.53	1175.44	1445.18
8	9	9075	24916	123990	to	to	to	

Table 274: *or*3-pyrseqsqrt-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	129	286	1392	0.00	0.00	0.00	0.00
2	3	327	784	3858	0.00	0.00	0.00	0.00
3	4	663	1664	8226	0.00	0.00	0.00	0.00
4	5	1368	3539	17541	0.01	0.01	0.01	0.01
5	6	2433	6430	31920	0.01	0.02	0.01	0.01
6	7	3930	10553	52443	0.01	0.03	0.03	0.03
7	8	6387	17364	86358	0.03	0.04	0.05	0.04
8	9	9075	24916	123990	0.05	0.08	0.08	0.07
9	10	13113	36294	180696	0.09	0.11	0.13	0.13
10	11	18978	52881	263379	0.13	0.17	0.19	0.18
11	12	25275	70828	352878	0.20	0.27	0.26	0.24
12	13	33933	95554	476196	0.25	0.38	0.37	0.38
13	14	44271	125192	624042	0.35	0.51	0.54	0.53
14	15	56433	160174	798576	0.45	0.70	0.70	0.69
15	16	70563	200932	1001958	0.56	0.93	0.93	0.93
16	17	88692	253287	1263225	0.71	1.25	1.23	1.26
17	18	109515	313564	1564062	0.95	1.64	1.63	1.63
18	19	133212	382303	1907169	1.10	2.06	2.07	2.00
19	20	159963	460044	2295246	1.36	2.59	2.64	2.56
20	21	192783	555496	2771754	1.66	3.27	3.28	3.23
21	22	229551	662600	3306474	1.93	4.00	3.99	4.04
22	23	270483	782004	3902646	2.33	4.95	4.96	4.93
23	24	319467	924988	4616574	2.68	6.03	6.00	5.97
24	25	369678	1071829	5349831	3.16	7.09	7.07	7.06
25	26	429003	1245404	6216606	3.71	8.36	8.51	8.52
26	27	498639	1449256	7234602	4.28	10.06	10.11	10.10
27	28	569943	1658304	8278626	4.94	11.78	11.84	11.84
28	29	652764	1901215	9491793	5.76	13.78	13.68	13.80
29	30	742773	2165434	10811436	6.49	16.06	16.13	16.03
30	31	840258	2451825	12241875	7.45	18.44	18.51	18.34
31	32	945507	2761252	13787430	8.38	20.96	21.06	20.94
32	33	1065639	3114544	15552114	9.49	24.14	24.21	24.08
33	34	1194933	3495034	17452716	10.66	27.31	27.42	27.38
34	35	1333713	3903694	19494096	11.90	31.10	31.10	30.90
35	36	1482303	4341496	21681114	13.35	34.92	35.10	34.99
36	37	1649574	4834461	24143727	14.93	39.40	39.72	39.67
37	38	1828221	5361234	26775300	16.63	44.46	44.42	44.42
38	39	2018604	5922895	29581233	18.18	49.56	49.45	49.52
39	40	2231043	6549764	32712966	20.39	55.33	55.17	55.45
40	41	2446473	7185910	35891160	22.17	61.49	61.42	61.36
41	42	2685693	7892434	39420996	24.69	68.21	67.95	68.07
42	43	2950620	8675039	43330977	27.16	75.46	75.60	75.56
43	44	3219219	9468980	47297718	29.46	83.26	83.40	83.27
44	45	3515403	10344604	51672606	32.33	91.78	91.78	91.71
45	46	3828123	11269452	56293518	35.23	100.72	100.98	100.91
46	47	4157811	12244820	61166934	38.52	110.57	110.77	110.29
47	48	4504899	13272004	66299334	41.43	120.67	121.11	120.75
48	49	4884666	14396057	71915787	45.25	132.11	132.36	132.31
49	50	5283903	15578104	77822106	49.18	144.39	144.87	144.50

Table 275: *or*3-pyrseqsqrt-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	129	286	1392	0.00	0.00	0.00	0.00
2	3	327	784	3858	0.03	0.02	0.00	0.01
3	4	663	1664	8226	0.25	0.58	0.58	0.15
4	5	1368	3539	17541	24.00	4.83	4.79	5.58
5	6	2433	6430	31920	79.63	1.88	54.77	31.22
6	7	3930	10553	52443	5.03	5.06	5.08	190.84
7	8	6387	17364	86358	11.38	913.83	21.05	730.69
8	9	9075	24916	123990	451.12	2386.42	2389.25	20.89
9	10	13113	36294	180696	73.72	109.16	to	66.70
10	11	18978	52881	263379	1430.85	112.57	to	to
11	12	25275	70828	352878	202.62	364.05	to	to
12	13	33933	95554	476196	225.62	to	435.41	to
13	14	44271	125192	624042	551.63	to	725.74	784.18
14	15	56433	160174	798576	to		to	to

Table 276: *or*3-pyrseqsqrt-picosat

6.10 width10chain

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	117	274	1338	0.00	0.00	0.00	0.00
2	2000	60027	180004	899988	2.10	2.65	2.68	2.63
3	4000	120027	360004	1799988	3.67	5.41	5.61	5.51
4	6000	180027	540004	2699988	5.57	8.39	8.38	8.41
5	8000	240027	720004	3599988	7.25	11.43	11.44	11.46
6	10000	300027	900004	4499988	9.05	14.50	14.56	14.47
7	12000	360027	1080004	5399988	10.14	16.74	16.82	16.73
8	14000	420027	1260004	6299988	11.42	19.41	19.31	19.38
9	16000	480027	1440004	7199988	12.33	21.23	21.38	21.28
10	18000	540027	1620004	8099988	13.57	23.67	23.78	23.68
11	20000	600027	1800004	8999988	14.68	25.92	26.04	25.92
12	22000	660027	1980004	9899988	15.87	28.24	28.24	28.32
13	24000	720027	2160004	10799988	16.81	30.48	30.38	30.22
14	26000	780027	2340004	11699988	17.95	32.70	32.61	32.58
15	28000	840027	2520004	12599988	19.09	34.89	34.92	34.83
16	30000	900027	2700004	13499988	20.05	37.36	37.18	37.28
17	32000	960027	2880004	14399988	20.25	37.85	37.82	37.76
18	34000	1020027	3060004	15299988	21.47	39.86	39.84	40.10
19	36000	1080027	3240004	16199988	22.18	41.99	42.07	42.16
20	38000	1140027	3420004	17099988	23.28	44.23	44.31	44.19
21	40000	1200027	3600004	17999988	24.61	46.51	46.61	46.62
22	42000	1260027	3780004	18899988	25.28	48.82	48.88	48.65
23	44000	1320027	3960004	19799988	25.96	50.87	50.67	50.69
24	46000	1380027	4140004	20699988	27.22	53.08	53.16	52.86
25	48000	1440027	4320004	21599988	28.66	55.34	55.46	55.57
26	50000	1500027	4500004	22499988	29.46	57.91	57.80	57.43
27	52000	1560027	4680004	23399988	30.53	59.62	59.66	59.94
28	54000	1620027	4860004	24299988	31.48	61.98	61.98	61.85
29	56000	1680027	5040004	25199988	32.73	64.23	64.37	64.22
30	58000	1740027	5220004	26099988	33.37	66.78	67.28	66.38
31	60000	1800027	5400004	26999988	34.37	68.55	68.44	68.39
32	62000	1860027	5580004	27899988	35.72	70.89	70.78	71.05
33	64000	1920027	5760004	28799988	36.70	73.64	73.71	73.26
34	66000	1980027	5940004	29699988	37.39	75.67	75.38	75.16
35	68000	2040027	6120004	30599988	38.53	77.73	77.88	77.53

36	70000	2100027	6300004	31499988	39.75	80.39	80.54	80.40
37	72000	2160027	6480004	32399988	40.80	82.80	82.80	82.64
38	74000	2220027	6660004	33299988	41.67	84.92	84.74	85.19
39	76000	2280027	6840004	34199988	42.84	87.20	87.33	87.08
40	78000	2340027	7020004	35099988	44.03	88.99	89.02	89.18
41	80000	2400027	7200004	35999988	44.76	91.42	91.76	91.64
42	82000	2460027	7380004	36899988	45.77	94.14	93.96	94.13
43	84000	2520027	7560004	37799988	47.07	97.03	96.19	96.56
44	86000	2580027	7740004	38699988	47.64	98.54	98.73	98.69
45	88000	2640027	7920004	39599988	48.85	100.87	100.68	100.87
46	90000	2700027	8100004	40499988	49.68	102.46	103.34	102.77
47	92000	2760027	8280004	41399988	50.90	105.82	105.58	105.33
48	94000	2820027	8460004	42299988	51.98	108.09	107.53	107.99
49	96000	2880027	8640004	43199988	52.81	110.15	109.90	109.83
50	98000	2940027	8820004	44099988	53.91	112.33	112.80	111.80
51	100000	3000027	9000004	44999988	54.96	115.12	115.01	123.37

Table 277: *or*3-width10chain-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	117	274	1338	0.00	0.00	0.00	0.00
2	2000	60027	180004	899988	to	mo		to

Table 278: *or*3-width10chain-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	117	274	1338	0.00	0.00	0.00	0.00
2	2000	60027	180004	899988	0.66	1.01	1.05	1.05
3	4000	120027	360004	1799988	1.67	2.66	2.69	2.63
4	6000	180027	540004	2699988	2.84	4.60	4.61	4.58
5	8000	240027	720004	3599988	4.43	6.87	6.86	6.88
6	10000	300027	900004	4499988	6.06	9.45	9.42	9.42
7	12000	360027	1080004	5399988	8.18	12.29	12.27	12.35
8	14000	420027	1260004	6299988	10.44	15.47	15.46	15.47
9	16000	480027	1440004	7199988	12.85	18.90	18.94	18.97
10	18000	540027	1620004	8099988	15.72	22.70	22.60	22.69
11	20000	600027	1800004	8999988	18.79	26.60	26.67	26.60
12	22000	660027	1980004	9899988	22.10	30.83	30.91	30.94
13	24000	720027	2160004	10799988	25.70	35.37	35.41	35.32
14	26000	780027	2340004	11699988	29.56	40.23	40.14	40.08
15	28000	840027	2520004	12599988	33.58	45.27	45.28	45.29
16	30000	900027	2700004	13499988	38.01	50.57	50.53	50.68
17	32000	960027	2880004	14399988	42.53	56.14	56.17	56.13
18	34000	1020027	3060004	15299988	47.27	62.16	62.10	61.94
19	36000	1080027	3240004	16199988	52.47	68.16	68.15	68.15
20	38000	1140027	3420004	17099988	57.82	74.59	74.56	74.55
21	40000	1200027	3600004	17999988	63.52	81.28	81.24	81.23
22	42000	1260027	3780004	18899988	69.29	88.06	88.11	88.27
23	44000	1320027	3960004	19799988	75.65	95.43	95.37	95.21
24	46000	1380027	4140004	20699988	81.97	102.73	102.76	102.93
25	48000	1440027	4320004	21599988	88.53	110.60	110.46	110.49
26	50000	1500027	4500004	22499988	95.52	118.73	118.38	118.58
27	52000	1560027	4680004	23399988	102.68	126.72	126.73	126.82
28	54000	1620027	4860004	24299988	110.24	135.29	135.26	135.13
29	56000	1680027	5040004	25199988	117.89	144.07	144.03	144.06
30	58000	1740027	5220004	26099988	125.78	153.18	153.08	153.01
31	60000	1800027	5400004	26999988	133.93	162.44	162.31	162.42
32	62000	1860027	5580004	27899988	142.54	171.82	171.84	171.91
33	64000	1920027	5760004	28799988	151.37	181.96	181.72	182.01
34	66000	1980027	5940004	29699988	160.22	191.75	191.72	191.79

35	68000	2040027	6120004	30599988	169.49	202.11	202.13	202.05
36	70000	2100027	6300004	31499988	179.10	212.65	212.70	212.68
37	72000	2160027	6480004	32399988	188.90	223.38	223.77	223.54
38	74000	2220027	6660004	33299988	198.95	234.59	234.91	234.39
39	76000	2280027	6840004	34199988	209.41	246.09	246.36	246.26
40	78000	2340027	7020004	35099988	219.86	257.66	257.89	258.09
41	80000	2400027	7200004	35999988	230.56	269.87	269.70	269.62
42	82000	2460027	7380004	36899988	241.59	281.77	281.94	281.62
43	84000	2520027	7560004	37799988	252.87	294.16	294.21	294.66
44	86000	2580027	7740004	38699988	264.58	307.08	306.85	307.37
45	88000	2640027	7920004	39599988	276.38	320.42	320.48	319.91
46	90000	2700027	8100004	40499988	288.41	334.39	333.76	333.47
47	92000	2760027	8280004	41399988	300.82	346.35	347.37	346.83
48	94000	2820027	8460004	42299988	314.43	360.93	360.90	361.22
49	96000	2880027	8640004	43199988	327.23	375.26	375.99	374.74
50	98000	2940027	8820004	44099988	339.85	388.92	389.07	388.94
51	100000	3000027	9000004	44999988	353.37	403.54	403.56	403.80

Table 279: *or*3-width10chain-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	117	274	1338	0.00	0.00	0.00	0.00
2	2000	60027	180004	899988	to	to		to

Table 280: *or*3-width10chain-picosat

6.11 width2chain

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	21	50	234	0.00	0.00	0.00	0.00
2	10000	60003	179996	899964	3.34	4.29	4.29	4.39
3	20000	120003	359996	1799964	6.59	8.77	8.86	8.80
4	30000	180003	539996	2699964	9.46	13.41	13.46	13.38
5	40000	240003	719996	3599964	12.50	18.16	18.23	18.09
6	50000	300003	899996	4499964	15.79	22.95	22.92	23.00
7	60000	360003	1079996	5399964	18.04	26.87	26.88	26.90
8	70000	420003	1259996	6299964	21.02	31.36	31.40	31.29
9	80000	480003	1439996	7199964	22.82	34.98	34.93	34.91
10	90000	540003	1619996	8099964	25.92	39.11	39.25	39.05
11	100000	600003	1799996	8999964	28.16	42.93	42.96	42.87
12	110000	660003	1979996	9899964	30.68	46.88	46.74	46.82
13	120000	720003	2159996	10799964	33.24	50.91	50.95	50.94
14	130000	780003	2339996	11699964	35.74	54.84	55.14	55.01
15	140000	840003	2519996	12599964	38.22	59.27	59.08	58.78
16	150000	900003	2699996	13499964	40.66	62.95	63.16	63.14
17	160000	960003	2879996	14399964	42.25	65.03	64.98	64.99
18	170000	1020003	3059996	15299964	44.82	68.86	68.92	69.14
19	180000	1080003	3239996	16199964	46.89	72.88	73.14	72.91
20	190000	1140003	3419996	17099964	49.48	76.75	76.69	76.94
21	200000	1200003	3599996	17999964	51.55	80.67	80.60	80.61
22	210000	1260003	3779996	18899964	54.37	84.84	84.81	84.69
23	220000	1320003	3959996	19799964	56.41	88.28	88.44	88.12
24	230000	1380003	4139996	20699964	58.93	92.91	93.06	92.38
25	240000	1440003	4319996	21599964	62.18	96.31	96.54	96.34
26	250000	1500003	4499996	22499964	63.31	100.46	100.41	100.61
27	260000	1560003	4679996	23399964	66.65	104.54	104.61	104.36
28	270000	1620003	4859996	24299964	68.90	108.11	108.15	108.60
29	280000	1680003	5039996	25199964	71.47	112.62	113.20	112.25
30	290000	1740003	5219996	26099964	73.51	116.48	116.42	116.43
31	300000	1800003	5399996	26999964	75.96	119.97	120.34	120.26

32	310000	1860003	5579996	27899964	78.46	124.07	123.99	124.84
33	320000	1920003	5759996	28799964	80.61	128.12	128.34	127.99
34	330000	1980003	5939996	29699964	83.19	132.22	132.19	131.90
35	340000	2040003	6119996	30599964	85.42	136.21	136.29	136.30
36	350000	2100003	6299996	31499964	88.08	141.15	140.11	140.78
37	360000	2160003	6479996	32399964	90.11	144.59	144.70	144.15
38	370000	2220003	6659996	33299964	92.84	148.11	148.19	149.02
39	380000	2280003	6839996	34199964	95.29	152.39	152.10	152.26
40	390000	2340003	7019996	35099964	97.61	156.48	156.87	156.01
41	400000	2400003	7199996	35999964	99.88	160.46	160.39	161.28
42	410000	2460003	7379996	36899964	102.54	164.48	164.19	164.04
43	420000	2520003	7559996	37799964	104.62	168.12	168.27	168.67
44	430000	2580003	7739996	38699964	107.49	172.02	172.30	172.81
45	440000	2640003	7919996	39599964	109.73	176.23	175.93	176.31
46	450000	2700003	8099996	40499964	111.85	180.55	180.80	180.30
47	460000	2760003	8279996	41399964	114.01	184.13	184.91	184.22
48	470000	2820003	8459996	42299964	116.49	189.00	188.36	188.77
49	480000	2880003	8639996	43199964	119.49	192.76	192.72	192.13
50	490000	2940003	8819996	44099964	121.56	196.33	196.15	196.48
51	500000	3000003	8999996	44999964	122.98	199.77	200.16	199.88

Table 281: *or*3-width2chain-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	21	50	234	0.00	0.00	0.00	0.00
2	10000	60003	179996	899964	242.76	338.45	337.39	261.96
3	20000	120003	359996	1799964	841.63	688.19	690.27	812.54
4	30000	180003	539996	2699964	1256.94	1504.27	1500.28	1444.73
5	40000	240003	719996	3599964	2794.04	2081.18	2089.05	2064.81
6	50000	300003	899996	4499964	3089.70	3274.13	3276.72	to
7	60000	360003	1079996	5399964	to	to	to	

Table 282: *or*3-width2chain-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	21	50	234	0.00	0.00	0.00	0.00
2	10000	60003	179996	899964	1.20	1.53	1.55	1.54
3	20000	120003	359996	1799964	3.69	4.63	4.66	4.64
4	30000	180003	539996	2699964	7.42	9.23	9.17	9.18
5	40000	240003	719996	3599964	12.52	15.08	15.12	15.08
6	50000	300003	899996	4499964	18.96	22.29	22.25	22.28
7	60000	360003	1079996	5399964	26.58	30.84	30.83	30.81
8	70000	420003	1259996	6299964	35.54	40.61	40.64	40.63
9	80000	480003	1439996	7199964	45.83	51.95	51.81	51.91
10	90000	540003	1619996	8099964	57.36	64.34	64.31	64.27
11	100000	600003	1799996	8999964	70.25	78.08	78.17	78.13
12	110000	660003	1979996	9899964	84.35	93.25	93.19	93.17
13	120000	720003	2159996	10799964	99.68	109.61	109.61	109.68
14	130000	780003	2339996	11699964	116.44	127.25	127.27	127.29
15	140000	840003	2519996	12599964	134.45	146.31	146.38	146.25
16	150000	900003	2699996	13499964	153.78	166.63	166.55	166.55
17	160000	960003	2879996	14399964	174.34	188.16	188.11	188.14
18	170000	1020003	3059996	15299964	196.15	210.81	210.94	210.98
19	180000	1080003	3239996	16199964	219.26	235.24	235.19	235.14
20	190000	1140003	3419996	17099964	243.90	260.70	260.75	260.64
21	200000	1200003	3599996	17999964	269.55	287.39	287.39	287.44
22	210000	1260003	3779996	18899964	296.46	315.39	315.54	315.59
23	220000	1320003	3959996	19799964	325.44	344.75	345.23	344.96
24	230000	1380003	4139996	20699964	354.36	375.69	375.49	375.28
25	240000	1440003	4319996	21599964	386.16	407.67	407.47	407.63

26	250000	1500003	4499996	22499964	417.84	440.70	440.86	440.84
27	260000	1560003	4679996	23399964	451.33	475.57	475.63	476.36
28	270000	1620003	4859996	24299964	485.85	511.20	511.51	512.24
29	280000	1680003	5039996	25199964	522.49	549.96	548.35	549.55
30	290000	1740003	5219996	26099964	559.42	587.87	586.78	587.28
31	300000	1800003	5399996	26999964	597.72	627.12	626.47	627.24
32	310000	1860003	5579996	27899964	637.91	668.08	668.29	668.34
33	320000	1920003	5759996	28799964	679.94	710.26	712.28	712.75
34	330000	1980003	5939996	29699964	722.67	754.53	754.68	754.35
35	340000	2040003	6119996	30599964	765.46	799.81	801.34	798.97
36	350000	2100003	6299996	31499964	811.05	845.12	845.82	848.75
37	360000	2160003	6479996	32399964	857.26	892.96	892.86	893.16
38	370000	2220003	6659996	33299964	904.92	948.99	941.29	947.46
39	380000	2280003	6839996	34199964	954.02	992.98	993.13	992.31
40	390000	2340003	7019996	35099964	1004.23	1048.29	1046.23	1050.00
41	400000	2400003	7199996	35999964	1055.98	1095.49	1095.89	1095.55
42	410000	2460003	7379996	36899964	1109.67	1149.85	1150.77	1150.88
43	420000	2520003	7559996	37799964	1163.05	1205.52	1206.68	1205.75
44	430000	2580003	7739996	38699964	1219.77	1262.93	1263.16	1262.77
45	440000	2640003	7919996	39599964	1275.62	1319.12	1320.85	1320.84
46	450000	2700003	8099996	40499964	1335.17	1381.60	1380.15	1380.54
47	460000	2760003	8279996	41399964	1394.56	1439.88	1439.19	1440.12
48	470000	2820003	8459996	42299964	1453.53	1505.09	1505.79	1501.50
49	480000	2880003	8639996	43199964	1517.24	1564.61	1563.83	1565.72
50	490000	2940003	8819996	44099964	1578.74	1631.90	1628.69	1632.67
51	500000	3000003	8999996	44999964	1644.70	1698.65	1697.06	1694.36

Table 283: *or*3-width2chain-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	21	50	234	0.00	0.00	0.00	0.00
2	10000	60003	179996	899964	1542.05	814.33	1337.84	802.36
3	20000	120003	359996	1799964	to	2664.37	to	2990.12
4	30000	180003	539996	2699964	to	to		to

Table 284: *or*3-width2chain-picosat

6.12 width5chain

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	57	134	648	0.00	0.00	0.00	0.00
2	4000	60012	179999	899973	2.09	2.73	2.73	2.70
3	8000	120012	359999	1799973	3.96	5.66	5.57	5.67
4	12000	180012	539999	2699973	5.50	8.60	8.62	8.58
5	16000	240012	719999	3599973	7.17	11.68	11.72	11.69
6	20000	300012	899999	4499973	9.16	14.91	14.93	14.89
7	24000	360012	1079999	5399973	10.32	17.36	17.36	17.22
8	28000	420012	1259999	6299973	11.73	20.03	20.18	20.25
9	32000	480012	1439999	7199973	12.78	21.93	21.94	21.97
10	36000	540012	1619999	8099973	14.24	24.55	24.52	24.74
11	40000	600012	1799999	8999973	15.32	26.83	26.72	26.83
12	44000	660012	1979999	9899973	16.50	29.24	29.17	29.17
13	48000	720012	2159999	10799973	17.49	31.31	31.40	31.53
14	52000	780012	2339999	11699973	18.87	33.68	33.64	33.76
15	56000	840012	2519999	12599973	19.70	36.13	36.25	36.20
16	60000	900012	2699999	13499973	20.89	38.35	38.30	38.38
17	64000	960012	2879999	14399973	21.38	39.16	39.24	39.11
18	68000	1020012	3059999	15299973	22.24	41.34	41.37	41.30
19	72000	1080012	3239999	16199973	22.91	43.60	43.48	43.60
20	76000	1140012	3419999	17099973	24.52	45.79	45.75	45.80

21	80000	1200012	3599999	17999973	25.72	48.02	48.04	48.23
22	84000	1260012	3779999	18899973	26.69	50.32	50.44	50.45
23	88000	1320012	3959999	19799973	27.69	52.64	52.67	52.70
24	92000	1380012	4139999	20699973	28.75	55.02	54.85	55.05
25	96000	1440012	4319999	21599973	30.00	57.47	57.39	57.28
26	100000	1500012	4499999	22499973	30.81	59.73	59.63	59.48
27	104000	1560012	4679999	23399973	32.02	62.19	62.34	62.09
28	108000	1620012	4859999	24299973	33.41	64.45	64.22	64.15
29	112000	1680012	5039999	25199973	34.17	66.38	66.46	66.31
30	116000	1740012	5219999	26099973	35.48	69.11	68.99	68.81
31	120000	1800012	5399999	26999973	36.64	71.27	71.23	71.03
32	124000	1860012	5579999	27899973	37.47	73.44	73.40	73.58
33	128000	1920012	5759999	28799973	38.52	76.02	75.84	75.73
34	132000	1980012	5939999	29699973	39.76	77.97	77.96	78.39
35	136000	2040012	6119999	30599973	40.64	80.71	80.58	80.48
36	140000	2100012	6299999	31499973	41.77	83.13	82.85	82.73
37	144000	2160012	6479999	32399973	43.12	85.10	85.01	85.27
38	148000	2220012	6659999	33299973	44.10	87.33	87.32	87.60
39	152000	2280012	6839999	34199973	44.98	89.84	90.09	89.80
40	156000	2340012	7019999	35099973	45.97	92.33	92.80	92.80
41	160000	2400012	7199999	35999973	47.39	94.92	95.18	94.90
42	164000	2460012	7379999	36899973	48.47	97.59	97.13	96.64
43	168000	2520012	7559999	37799973	49.17	98.90	98.93	99.62
44	172000	2580012	7739999	38699973	50.59	101.95	102.13	101.97
45	176000	2640012	7919999	39599973	51.37	104.05	104.41	103.66
46	180000	2700012	8099999	40499973	52.92	106.73	106.30	106.82
47	184000	2760012	8279999	41399973	53.67	109.09	109.30	109.39
48	188000	2820012	8459999	42299973	54.99	110.99	111.14	111.42
49	192000	2880012	8639999	43199973	55.92	114.78	113.54	113.40
50	196000	2940012	8819999	44099973	56.70	115.89	116.14	117.63
51	200000	3000012	8999999	44999973	57.92	118.47	119.35	118.42

Table 285: *or*3-width5chain-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	57	134	648	0.00	0.00	0.00	0.00
2	4000	60012	179999	899973	mo	mo		to

Table 286: *or*3-width5chain-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	57	134	648	0.00	0.00	0.00	0.00
2	4000	60012	179999	899973	0.85	1.17	1.15	1.15
3	8000	120012	359999	1799973	2.18	3.16	3.11	3.20
4	12000	180012	539999	2699973	4.10	5.68	5.75	5.70
5	16000	240012	719999	3599973	6.50	8.91	8.90	8.83
6	20000	300012	899999	4499973	9.44	12.71	12.69	12.58
7	24000	360012	1079999	5399973	12.92	16.95	17.03	16.94
8	28000	420012	1259999	6299973	16.83	21.82	21.84	21.77
9	32000	480012	1439999	7199973	21.29	27.24	27.18	27.22
10	36000	540012	1619999	8099973	26.32	33.13	33.08	33.11
11	40000	600012	1799999	8999973	31.75	39.54	39.49	39.55
12	44000	660012	1979999	9899973	37.93	46.43	46.48	46.44
13	48000	720012	2159999	10799973	44.51	54.08	54.02	54.01
14	52000	780012	2339999	11699973	51.44	62.20	62.00	62.04
15	56000	840012	2519999	12599973	59.04	70.53	70.74	70.65
16	60000	900012	2699999	13499973	67.18	79.68	79.73	79.63
17	64000	960012	2879999	14399973	75.84	89.27	89.22	89.18
18	68000	1020012	3059999	15299973	84.92	99.44	99.47	99.44
19	72000	1080012	3239999	16199973	94.56	110.07	110.27	110.04

20	76000	1140012	3419999	17099973	104.86	121.34	121.32	121.24
21	80000	1200012	3599999	17999973	115.45	133.09	133.05	133.05
22	84000	1260012	3779999	18899973	126.80	145.52	145.22	145.35
23	88000	1320012	3959999	19799973	138.52	158.11	158.07	157.98
24	92000	1380012	4139999	20699973	150.83	171.47	171.27	171.30
25	96000	1440012	4319999	21599973	163.51	185.07	185.33	185.30
26	100000	1500012	4499999	22499973	176.85	199.49	199.77	199.49
27	104000	1560012	4679999	23399973	190.59	214.33	214.49	214.51
28	108000	1620012	4859999	24299973	204.91	229.84	229.96	229.88
29	112000	1680012	5039999	25199973	219.99	245.67	245.71	245.93
30	116000	1740012	5219999	26099973	235.31	262.10	261.99	262.27
31	120000	1800012	5399999	26999973	251.39	279.09	278.91	279.19
32	124000	1860012	5579999	27899973	267.41	296.60	296.56	296.38
33	128000	1920012	5759999	28799973	283.63	313.87	314.22	314.34
34	132000	1980012	5939999	29699973	300.98	332.11	332.30	332.07
35	136000	2040012	6119999	30599973	319.06	351.47	351.40	352.70
36	140000	2100012	6299999	31499973	337.35	370.89	371.09	370.82
37	144000	2160012	6479999	32399973	356.30	392.34	394.09	394.50
38	148000	2220012	6659999	33299973	376.22	411.52	411.52	411.05
39	152000	2280012	6839999	34199973	396.20	432.62	432.21	435.77
40	156000	2340012	7019999	35099973	416.39	454.01	455.92	453.96
41	160000	2400012	7199999	35999973	437.45	478.10	476.09	475.83
42	164000	2460012	7379999	36899973	459.22	499.07	499.13	500.22
43	168000	2520012	7559999	37799973	481.01	521.81	521.94	521.85
44	172000	2580012	7739999	38699973	503.42	546.12	545.59	546.03
45	176000	2640012	7919999	39599973	526.89	569.83	569.72	570.92
46	180000	2700012	8099999	40499973	550.91	594.90	596.54	594.52
47	184000	2760012	8279999	41399973	574.46	620.52	622.11	620.40
48	188000	2820012	8459999	42299973	598.90	645.72	646.46	645.63
49	192000	2880012	8639999	43199973	624.75	672.62	673.95	672.14
50	196000	2940012	8819999	44099973	649.92	698.37	698.98	698.76
51	200000	3000012	8999999	44999973	676.74	729.54	725.72	725.67

Table 287: *or*3-width5chain-minisatsimp

♯	**par**	**vars**	**clauses**	**literals**	**C**	**R1**	**R2**	**R3**
1	3	57	134	648	0.00	0.00	0.00	0.00
2	4000	60012	179999	899973	to	to		to

Table 288: *or*3-width5chain-picosat

7 *or*4

7.1 bintree

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	12	22	108	0.00	0.00	0.00	0.00
2	2	28	56	308	0.00	0.00	0.00	0.00
3	3	60	124	708	0.00	0.00	0.00	0.00
4	4	124	260	1508	0.00	0.00	0.00	0.00
5	5	252	532	3108	0.00	0.00	0.00	0.00
6	6	508	1076	6308	0.01	0.01	0.01	0.01
7	7	1020	2164	12708	0.03	0.03	0.03	0.03
8	8	2044	4340	25508	0.05	0.07	0.07	0.06
9	9	4092	8692	51108	0.12	0.14	0.14	0.14
10	10	8188	17396	102308	0.24	0.30	0.30	0.30
11	11	16380	34804	204708	0.47	0.61	0.60	0.60
12	12	32764	69620	409508	0.97	1.29	1.25	1.28
13	13	65532	139252	819108	1.97	2.78	2.82	2.78
14	14	131068	278516	1638308	4.39	6.04	6.02	6.03
15	15	262140	557044	3276708	8.21	12.59	12.54	12.58
16	16	524284	1114100	6553508	15.34	24.28	24.28	24.18
17	17	1048572	2228212	13107108	27.29	44.65	44.56	45.04
18	18	2097148	4456436	26214308	50.52	86.28	86.45	86.56
19	19	4194300	8912884	52428708	97.18	171.66	171.51	171.86
20	20	8388604	17825780	104857508	mo		mo	mo

Table 289: *or*4-bintree-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	12	22	108	0.00	0.00	0.00	0.00
2	2	28	56	308	0.00	0.00	0.00	0.00
3	3	60	124	708	0.00	0.00	0.00	0.00
4	4	124	260	1508	0.00	0.00	0.00	0.00
5	5	252	532	3108	0.00	0.00	0.00	0.00
6	6	508	1076	6308	0.00	0.00	0.00	0.00
7	7	1020	2164	12708	0.00	0.00	0.01	0.01
8	8	2044	4340	25508	0.01	0.02	0.02	0.02
9	9	4092	8692	51108	0.04	0.09	0.09	0.08
10	10	8188	17396	102308	0.15	0.28	0.28	0.30
11	11	16380	34804	204708	0.59	1.14	1.17	1.23
12	12	32764	69620	409508	2.75	3.62	3.63	3.56
13	13	65532	139252	819108	8.27	10.99	11.15	11.92
14	14	131068	278516	1638308	31.79	48.95	48.39	46.39
15	15	262140	557044	3276708	145.58	239.15	239.44	233.23
16	16	524284	1114100	6553508	737.47	1129.95	1131.18	1131.73
17	17	1048572	2228212	13107108		to	to	to

Table 290: *or*4-bintree-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	12	22	108	0.00	0.00	0.00	0.00
2	2	28	56	308	0.00	0.00	0.00	0.00
3	3	60	124	708	0.00	0.00	0.00	0.00
4	4	124	260	1508	0.00	0.00	0.00	0.00
5	5	252	532	3108	0.00	0.00	0.00	0.00
6	6	508	1076	6308	0.00	0.00	0.00	0.00
7	7	1020	2164	12708	0.00	0.00	0.00	0.00
8	8	2044	4340	25508	0.01	0.01	0.01	0.01
9	9	4092	8692	51108	0.02	0.03	0.03	0.03

10	10	8188	17396	102308	0.05	0.05	0.06	0.06
11	11	16380	34804	204708	0.11	0.13	0.14	0.13
12	12	32764	69620	409508	0.24	0.29	0.29	0.32
13	13	65532	139252	819108	0.50	0.73	0.71	0.72
14	14	131068	278516	1638308	1.01	1.71	1.69	1.71
15	15	262140	557044	3276708	2.01	4.01	4.02	3.97
16	16	524284	1114100	6553508	4.21	9.16	9.10	9.12
17	17	1048572	2228212	13107108	8.58	20.15	20.29	20.42
18	18	2097148	4456436	26214308	17.88	44.54	44.49	44.71
19	19	4194300	8912884	52428708	36.75	96.43	96.83	96.39
20	20	8388604	17825780	104857508	75.44	210.01	210.19	210.08

Table 291: *or*4-bintree-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	12	22	108	0.00	0.00	0.00	0.00
2	2	28	56	308	0.00	0.00	0.00	0.00
3	3	60	124	708	0.00	0.00	0.00	0.00
4	4	124	260	1508	0.00	0.00	0.00	0.00
5	5	252	532	3108	0.00	0.00	0.00	0.00
6	6	508	1076	6308	0.00	0.00	0.00	0.00
7	7	1020	2164	12708	0.01	0.01	0.01	0.01
8	8	2044	4340	25508	0.03	0.04	0.04	0.04
9	9	4092	8692	51108	0.08	0.17	0.17	0.15
10	10	8188	17396	102308	0.23	0.53	0.54	0.52
11	11	16380	34804	204708	0.72	1.97	1.97	2.01
12	12	32764	69620	409508	2.61	8.25	8.21	8.47
13	13	65532	139252	819108	9.87	35.59	35.69	36.12
14	14	131068	278516	1638308	32.98	156.13	155.59	172.98
15	15	262140	557044	3276708	139.12	730.42	730.17	696.83
16	16	524284	1114100	6553508	511.47	3226.53	3390.86	3406.64
17	17	1048572	2228212	13107108		to	to	to

Table 292: *or*4-bintree-picosat

7.2 gtb

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	84	280	1652	0.00	0.01	0.01	0.01
2	6	176	618	3676	0.02	0.02	0.02	0.04
3	8	316	1148	6852	0.07	0.05	0.05	0.05
4	10	552	2062	12332	0.16	0.15	0.14	0.16
5	12	620	2304	13780	0.09	0.14	0.15	0.14
6	16	1052	3972	23780	0.18	0.30	0.27	0.19
7	20	1708	6536	39156	0.48	0.52	0.54	0.48
8	24	1964	7500	44932	0.45	0.52	0.51	0.41
9	32	3196	12308	73764	0.63	0.69	0.67	0.61
10	40	4940	19164	114884	1.42	1.35	1.35	1.23
11	48	5756	22308	133732	1.41	1.31	1.29	1.37
12	64	9084	35380	212132	2.80	2.49	2.50	2.42
13	80	13564	53060	318180	4.17	4.42	4.42	4.70
14	96	15932	62292	373540	6.02	5.90	5.98	6.04
15	128	24572	96372	577956	8.90	12.55	12.45	12.47
16	160	35772	140692	843812	15.27	24.06	23.94	24.71
17	192	42236	166068	996004	20.25	31.16	31.10	30.32
18	256	63996	252148	1512356	42.35	74.51	74.67	73.69
19	320	91388	360756	2163876	69.07	165.11	164.26	171.26
20	384	108284	427380	2563492	128.30	195.69	196.68	214.67
21	512	161788	639476	3835812	290.17	591.14	590.45	502.62
22	640	227580	900724	5403044	331.88	1526.14	1532.40	1573.16

23	768	270332	1069812	6417316	540.01	1634.58	1635.97	1715.46
24	1000	397228	1573916	9441476		to	to	to

Table 293: *or*4-gtb-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	84	280	1652	0.01	0.00	0.00	0.00
2	6	176	618	3676	0.02	0.01	0.01	0.03
3	8	316	1148	6852	0.26	0.46	0.45	0.46
4	10	552	2062	12332	19.47	12.59	12.57	18.81
5	12	620	2304	13780	13.27	3.87	3.87	15.14
6	16	1052	3972	23780	7.25	31.29	31.20	9.75
7	20	1708	6536	39156	1205.26	2240.16	2239.60	1643.34
8	24	1964	7500	44932	39.25	88.19	88.26	144.15
9	32	3196	12308	73764	65.86	109.61	109.77	26.17
10	40	4940	19164	114884	mo	to	to	2014.12

Table 294: *or*4-gtb-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	84	280	1652	0.00	0.00	0.00	0.00
2	6	176	618	3676	0.00	0.00	0.00	0.00
3	8	316	1148	6852	0.00	0.00	0.00	0.00
4	10	552	2062	12332	0.00	0.00	0.00	0.00
5	12	620	2304	13780	0.00	0.01	0.01	0.01
6	16	1052	3972	23780	0.01	0.01	0.01	0.01
7	20	1708	6536	39156	0.02	0.03	0.01	0.02
8	24	1964	7500	44932	0.02	0.03	0.02	0.03
9	32	3196	12308	73764	0.03	0.05	0.05	0.05
10	40	4940	19164	114884	0.06	0.08	0.09	0.09
11	48	5756	22308	133732	0.07	0.10	0.10	0.10
12	64	9084	35380	212132	0.13	0.17	0.17	0.16
13	80	13564	53060	318180	0.20	0.27	0.25	0.26
14	96	15932	62292	373540	0.24	0.32	0.29	0.32
15	128	24572	96372	577956	0.39	0.51	0.50	0.50
16	160	35772	140692	843812	0.55	0.77	0.78	0.79
17	192	42236	166068	996004	0.64	0.95	0.95	0.95
18	256	63996	252148	1512356	1.03	1.62	1.64	1.62
19	320	91388	360756	2163876	1.47	2.48	2.45	2.46
20	384	108284	427380	2563492	1.74	3.04	3.07	3.07
21	512	161788	639476	3835812	2.96	5.09	5.11	5.11
22	640	227580	900724	5403044	3.92	7.47	7.54	7.49
23	768	270332	1069812	6417316	4.86	9.32	9.34	9.34
24	1000	397228	1573916	9441476	8.02	15.40	15.20	15.21
25	1024	399356	1582068	9490340	8.24	15.30	15.55	15.46
26	1250	552672	2191942	13149132	10.31	21.70	21.63	21.64
27	1280	555004	2200820	13202340	10.60	21.74	21.76	21.69
28	1500	655772	2600592	15600532	12.98	26.88	26.84	26.74
29	1536	660476	2618868	15710116	13.46	26.99	27.05	27.17
30	1750	880640	3496314	20974364	21.23	41.15	41.11	41.08
31	2000	960508	3812036	22868196	23.83	45.23	45.27	45.30
32	2048	966652	3835892	23011236	24.46	45.39	45.46	45.31
33	2250	1242928	4937966	29623276	27.46	57.20	57.34	57.38
34	2500	1323340	5255864	31530164	29.24	61.25	61.22	61.16
35	2560	1330172	5282292	31688612	30.05	61.55	61.54	61.49
36	2750	1491920	5926434	35553084	36.34	73.33	73.15	73.04
37	3000	1572332	6244332	37459972	38.32	77.44	77.46	77.21
38	3072	1585148	6294516	37760932	39.68	78.06	78.04	78.29
39	3250	2008352	7984662	47901452	66.47	118.73	118.70	118.38
40	3500	2088220	8300384	49795284	69.22	123.72	123.79	123.65

41	3750	2206592	8770122	52613212	73.63	131.18	131.03	131.32
42	4000	2285116	9080468	54474788	77.38	136.07	136.40	136.25
43	4096	2301948	9146356	54869924	79.72	137.23	137.42	137.43
44	4250	2844016	11312318	67865388	82.08	159.92	159.56	159.91
45	4500	2924428	11630216	69772276	84.22	164.60	164.60	164.71
46	4750	3042256	12097778	72577148	87.85	171.57	171.81	172.23
47	5000	3122668	12415676	74484036	90.42	176.71	176.35	176.55
48	5120	3141628	12489716	74928036	93.23	177.39	177.67	177.61
49	5250	3448096	13713638	82271308	114.66	211.87	211.99	211.82
50	5500	3515996	13981488	83877908	117.60	216.89	216.71	216.29
51	5750	3634368	14451226	86695836	121.29	224.13	224.94	224.46
52	6000	3714236	14766948	88589668	124.33	229.50	229.00	229.85
53	6144	3747836	14899188	89382820	128.68	231.83	232.04	232.23
54	6250	4609008	18342286	110041196	234.27	371.48	370.48	370.41
55	6500	4689420	18660184	111948084	238.66	376.94	378.85	377.53
56	6750	4805904	19122370	114720700	245.21	388.10	389.82	388.39
57	7000	4886316	19440268	116627588	249.19	394.82	395.70	396.19
58	7250	5088864	20246710	121465740	260.22	414.33	412.12	415.04
59	7500	5168732	20562432	123359572	264.06	418.28	421.54	418.24
60	7750	5287104	21032170	126177500	271.58	430.21	429.73	430.47
61	8000	5362428	21329716	127962276	277.68	436.88	436.70	435.71
62	8192	5406716	21503988	129007524	283.57	439.81	440.91	441.95

Table 295: *or*4-gtb-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	84	280	1652	0.01	0.00	0.01	0.01
2	6	176	618	3676	0.09	0.16	0.15	0.12
3	8	316	1148	6852	1.71	0.31	0.26	0.36
4	10	552	2062	12332	21.98	2.16	2.16	1.08
5	12	620	2304	13780	22.91	12.60	0.89	0.83
6	16	1052	3972	23780	4.93	0.69	0.69	1.25
7	20	1708	6536	39156	9.78	97.28	7.39	5.89
8	24	1964	7500	44932	5.44	96.03	11.97	64.82
9	32	3196	12308	73764	7.18	5.56	174.36	129.26
10	40	4940	19164	114884	to	to	27.53	to

Table 296: *or*4-gtb-picosat

7.3 pyr10seq

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	1044	3565	21288	0.12	0.16	0.15	0.12
2	250	65004	222505	1330008	33.46	40.28	40.19	40.63
3	500	130004	445005	2660008	5.65	112.13	112.43	117.60
4	750	195004	667505	3990008	16.72	205.35	205.37	198.66
5	1000	260004	890005	5320008	10.89	359.22	358.45	367.24
6	1250	325004	1112505	6650008	12.83	517.02	520.99	511.57
7	1500	390004	1335005	7980008	15.27	674.73	670.62	673.13
8	1750	455004	1557505	9310008	16.94	886.25	886.05	917.55
9	2000	520004	1780005	10640008	19.08	1112.50	1112.57	1120.03
10	2250	585004	2002505	11970008	21.14	1346.74	1346.05	1361.25
11	2500	650004	2225005	13300008	22.92	1621.59	1615.33	1710.98
12	2750	715004	2447505	14630008	25.04	1972.30	1972.93	1961.45
13	3000	780004	2670005	15960008	972.75	2283.24	2284.40	2272.46
14	3250	845004	2892505	17290008	29.08	2648.31	2650.53	2729.01
15	3500	910004	3115005	18620008	30.04	3135.05	3131.71	3088.01
16	3750	975004	3337505	19950008	31.74	to	to	3446.12
17	4000	1040004	3560005	21280008	33.67	to	to	to

Table 297: *or*4-pyr10seq-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	1044	3565	21288	0.19	0.54	0.54	1.01
2	250	65004	222505	1330008	1279.56	1395.69	1398.02	1019.46
3	500	130004	445005	2660008	200.04	2557.63	2559.04	339.75
4	750	195004	667505	3990008	1617.02	2709.47	2697.60	1106.68
5	1000	260004	890005	5320008	1006.58	2282.22	2289.57	to
6	1250	325004	1112505	6650008	to	1373.85	1386.37	to
7	1500	390004	1335005	7980008	to		to	to

Table 298: *or*4-pyr10seq-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	1044	3565	21288	0.00	0.01	0.01	0.01
2	250	65004	222505	1330008	1.06	1.65	1.61	1.67
3	500	130004	445005	2660008	2.18	3.82	3.86	3.89
4	750	195004	667505	3990008	3.39	6.28	6.28	6.27
5	1000	260004	890005	5320008	4.53	8.79	8.76	8.79
6	1250	325004	1112505	6650008	5.83	11.36	11.41	11.39
7	1500	390004	1335005	7980008	6.94	14.07	14.04	14.07
8	1750	455004	1557505	9310008	8.23	16.79	16.84	16.79
9	2000	520004	1780005	10640008	9.33	19.55	19.62	19.59
10	2250	585004	2002505	11970008	10.46	22.43	22.31	22.58
11	2500	650004	2225005	13300008	11.80	25.12	25.25	25.22
12	2750	715004	2447505	14630008	13.06	28.02	28.06	28.01
13	3000	780004	2670005	15960008	14.28	30.93	30.87	30.99
14	3250	845004	2892505	17290008	15.57	33.85	33.78	33.81
15	3500	910004	3115005	18620008	16.70	36.72	36.72	36.73
16	3750	975004	3337505	19950008	18.08	39.34	39.50	39.43
17	4000	1040004	3560005	21280008	19.16	42.40	42.43	42.48
18	4250	1105004	3782505	22610008	20.35	45.50	45.55	45.52
19	4500	1170004	4005005	23940008	21.69	48.35	48.29	48.13
20	4750	1235004	4227505	25270008	23.03	51.48	51.38	51.32
21	5000	1300004	4450005	26600008	24.12	54.52	54.19	54.31
22	5250	1365004	4672505	27930008	25.40	57.29	57.48	57.29
23	5500	1430004	4895005	29260008	26.66	60.19	60.34	60.61
24	5750	1495004	5117505	30590008	28.14	63.54	63.54	63.33
25	6000	1560004	5340005	31920008	29.05	66.35	66.42	66.45
26	6250	1625004	5562505	33250008	30.54	69.58	69.36	69.80
27	6500	1690004	5785005	34580008	31.76	72.45	72.80	72.16
28	6750	1755004	6007505	35910008	32.97	75.59	75.49	75.59
29	7000	1820004	6230005	37240008	34.31	78.60	78.61	78.62
30	7250	1885004	6452505	38570008	35.51	81.76	81.86	81.99
31	7500	1950004	6675005	39900008	36.71	84.71	84.51	84.63
32	7750	2015004	6897505	41230008	37.93	87.67	87.76	87.86
33	8000	2080004	7120005	42560008	39.21	90.93	91.09	91.05
34	8250	2145004	7342505	43890008	40.44	93.89	94.03	94.04
35	8500	2210004	7565005	45220008	41.79	97.25	97.36	97.03
36	8750	2275004	7787505	46550008	43.00	100.21	100.03	100.29
37	9000	2340004	8010005	47880008	44.28	103.40	103.43	103.37
38	9250	2405004	8232505	49210008	45.39	106.55	106.72	106.84
39	9500	2470004	8455005	50540008	47.03	109.76	109.58	109.54
40	9750	2535004	8677505	51870008	48.31	112.86	112.71	113.15
41	10000	2600004	8900005	53200008	49.32	115.92	116.39	115.80
42	10250	2665004	9122505	54530008	50.32	119.08	119.03	119.23
43	10500	2730004	9345005	55860008	51.84	122.39	122.54	122.31
44	10750	2795004	9567505	57190008	53.26	125.40	125.69	125.47
45	11000	2860004	9790005	58520008	54.44	128.65	128.67	128.58
46	11250	2925004	10012505	59850008	55.84	131.86	131.70	131.82
47	11500	2990004	10235005	61180008	56.92	134.85	134.79	134.81
48	11750	3055004	10457505	62510008	58.23	138.12	137.76	138.10
49	12000	3120004	10680005	63840008	59.76	141.44	141.41	141.49

50	12250	3185004	10902505	65170008	60.74	145.07	144.80	144.42
51	12500	3250004	11125005	66500008	62.09	147.58	148.11	148.21
52	12750	3315004	11347505	67830008	63.41	151.06	151.12	151.02
53	13000	3380004	11570005	69160008	64.64	154.18	154.61	154.33
54	13250	3445004	11792505	70490008	65.69	157.54	157.38	157.55
55	13500	3510004	12015005	71820008	66.94	160.72	160.82	160.87
56	13750	3575004	12237505	73150008	68.47	163.93	163.94	164.06
57	14000	3640004	12460005	74480008	69.41	167.40	167.37	166.90
58	14250	3705004	12682505	75810008	71.18	170.54	170.26	170.18
59	14500	3770004	12905005	77140008	72.30	174.01	174.15	173.67
60	14750	3835004	13127505	78470008	73.40	176.84	177.09	177.16
61	15000	3900004	13350005	79800008	74.48	179.68	179.73	180.67

Table 299: *or*4-pyr10seq-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	1044	3565	21288	1.10	0.48	1.24	2.28
2	250	65004	222505	1330008	274.26	2336.51	2337.90	748.58
3	500	130004	445005	2660008	928.01	to	to	to

Table 300: *or*4-pyr10seq-picosat

7.4 pyr1seq

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	36	73	408	0.00	0.00	0.00	0.00
2	10000	80004	170005	1000008	4.25	5.86	5.84	5.78
3	20000	160004	340005	2000008	6.73	10.10	10.13	10.19
4	30000	240004	510005	3000008	9.27	14.21	14.15	14.25
5	40000	320004	680005	4000008	11.67	18.38	18.27	18.41
6	50000	400004	850005	5000008	13.95	21.85	21.96	21.81
7	60000	480004	1020005	6000008	16.16	26.19	28.54	26.06
8	70000	560004	1190005	7000008	17.08	28.50	28.43	28.50
9	80000	640004	1360005	8000008	19.86	32.72	32.65	32.58
10	90000	720004	1530005	9000008	21.73	36.35	36.24	36.29
11	100000	800004	1700005	10000008	24.00	40.08	39.87	39.67
12	110000	880004	1870005	11000008	26.01	43.56	43.81	43.44
13	120000	960004	2040005	12000008	28.29	47.28	47.29	47.19
14	130000	1040004	2210005	13000008	28.67	47.70	47.66	47.90
15	140000	1120004	2380005	14000008	30.92	50.93	50.78	51.40
16	150000	1200004	2550005	15000008	33.53	54.33	56.94	52.37
17	160000	1280004	2720005	16000008	34.54	57.79	57.96	55.77
18	170000	1360004	2890005	17000008	36.55	62.96	61.45	60.91
19	180000	1440004	3060005	18000008	38.83	66.74	64.96	66.42
20	190000	1520004	3230005	19000008	40.94	69.87	69.44	69.50
21	200000	1600004	3400005	20000008	42.93	72.87	73.01	76.26
22	210000	1680004	3570005	21000008	44.08	76.15	76.13	76.22
23	220000	1760004	3740005	22000008	46.53	76.18	76.17	79.34
24	230000	1840004	3910005	23000008	46.82	79.81	79.32	79.28
25	240000	1920004	4080005	24000008	48.79	86.58	86.60	86.35
26	250000	2000004	4250005	25000008	52.07	86.53	86.17	89.99
27	260000	2080004	4420005	26000008	53.51	88.29	89.59	95.12
28	270000	2160004	4590005	27000008	53.77	96.43	96.67	96.01
29	280000	2240004	4760005	28000008	56.40	100.55	100.66	100.56
30	290000	2320004	4930005	29000008	58.41	103.74	103.76	104.11
31	300000	2400004	5100005	30000008	60.67	103.43	103.67	103.49
32	310000	2480004	5270005	31000008	63.95	106.85	106.91	111.61
33	320000	2560004	5440005	32000008	63.14	114.97	114.52	110.41
34	330000	2640004	5610005	33000008	67.25	117.82	117.74	117.95
35	340000	2720004	5780005	34000008	69.23	131.21	121.60	147.06

36	350000	2800004	5950005	35000008	71.89	127.05	127.29	121.78
37	360000	2880004	6120005	36000008	72.81	126.65	126.15	131.94
38	370000	2960004	6290005	37000008	73.56	127.97	129.61	129.83
39	380000	3040004	6460005	38000008	77.94	138.94	138.76	133.15
40	390000	3120004	6630005	39000008	79.97	136.67	133.76	133.93
41	400000	3200004	6800005	40000008	79.09	143.44	143.03	137.18
42	410000	3280004	6970005	41000008	82.62	146.82	146.81	141.17
43	420000	3360004	7140005	42000008	84.95	143.72	143.78	149.89
44	430000	3440004	7310005	43000008	84.34	147.22	153.70	153.86
45	440000	3520004	7480005	44000008	89.05	150.99	150.69	158.07
46	450000	3600004	7650005	45000008	90.11	160.51	160.70	161.39
47	460000	3680004	7820005	46000008	92.13	159.55	157.46	160.94
48	470000	3760004	7990005	47000008	93.70	171.60	172.69	164.27
49	480000	3840004	8160005	48000008	95.97	164.27	164.35	166.79
50	490000	3920004	8330005	49000008	99.98	171.44	171.19	171.97
51	500000	4000004	8500005	50000008	100.48	174.38	174.84	174.70

Table 301: *or*4-pyr1seq-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	36	73	408	0.00	0.00	0.00	0.00
2	10000	80004	170005	1000008	10.12	12.13	12.20	12.20
3	20000	160004	340005	2000008	47.33	41.43	41.05	40.97
4	30000	240004	510005	3000008	119.77	97.91	97.28	94.17
5	40000	320004	680005	4000008	144.97	183.04	182.29	194.44
6	50000	400004	850005	5000008	387.83	264.09	265.39	278.44
7	60000	480004	1020005	6000008	508.87	496.00	415.97	413.57
8	70000	560004	1190005	7000008	536.15	606.70	578.11	680.95
9	80000	640004	1360005	8000008	1114.73	689.73	685.04	716.42
10	90000	720004	1530005	9000008	1213.77	848.67	855.14	888.93
11	100000	800004	1700005	10000008	1419.07	1185.31	1084.17	1071.62
12	110000	880004	1870005	11000008	1600.51	1380.19	1368.23	1335.25
13	120000	960004	2040005	12000008	2648.81	1674.24	1675.10	1711.87
14	130000	1040004	2210005	13000008	2883.00	2021.04	2154.44	2410.89
15	140000	1120004	2380005	14000008	3063.89	2480.41	2339.21	2340.83
16	150000	1200004	2550005	15000008	to	2777.66	2670.71	2888.29
17	160000	1280004	2720005	16000008	to	2952.69	2940.63	3016.74
18	170000	1360004	2890005	17000008	to	to	3217.94	3415.83
19	180000	1440004	3060005	18000008		to	to	to

Table 302: *or*4-pyr1seq-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	36	73	408	0.00	0.00	0.00	0.00
2	10000	80004	170005	1000008	0.54	0.88	0.91	0.88
3	20000	160004	340005	2000008	1.17	2.12	2.11	2.08
4	30000	240004	510005	3000008	1.79	3.52	3.39	3.44
5	40000	320004	680005	4000008	2.45	4.79	4.85	4.87
6	50000	400004	850005	5000008	3.10	6.29	6.27	6.22
7	60000	480004	1020005	6000008	3.89	7.76	7.85	8.74
8	70000	560004	1190005	7000008	4.36	9.24	9.34	9.29
9	80000	640004	1360005	8000008	4.92	10.95	10.87	11.72
10	90000	720004	1530005	9000008	5.65	12.43	13.00	12.44
11	100000	800004	1700005	10000008	6.21	13.86	14.08	13.97
12	110000	880004	1870005	11000008	6.88	15.69	15.69	15.57
13	120000	960004	2040005	12000008	7.71	17.28	17.17	17.36
14	130000	1040004	2210005	13000008	8.25	21.82	18.82	18.75
15	140000	1120004	2380005	14000008	8.96	20.51	20.22	20.47
16	150000	1200004	2550005	15000008	9.97	22.14	26.04	21.92
17	160000	1280004	2720005	16000008	9.99	23.65	23.67	23.66

18	170000	1360004	2890005	17000008	10.65	26.05	25.35	26.24
19	180000	1440004	3060005	18000008	11.45	31.48	27.50	27.24
20	190000	1520004	3230005	19000008	12.26	29.34	29.44	29.23
21	200000	1600004	3400005	20000008	12.97	30.34	31.01	31.04
22	210000	1680004	3570005	21000008	13.48	32.53	32.72	32.47
23	220000	1760004	3740005	22000008	14.39	34.22	34.02	34.00
24	230000	1840004	3910005	23000008	15.08	35.69	35.99	36.00
25	240000	1920004	4080005	24000008	15.50	37.60	37.45	37.49
26	250000	2000004	4250005	25000008	16.09	39.20	39.18	39.35
27	260000	2080004	4420005	26000008	16.89	40.49	41.11	41.28
28	270000	2160004	4590005	27000008	18.64	42.29	42.72	42.13
29	280000	2240004	4760005	28000008	17.89	44.43	44.64	44.49
30	290000	2320004	4930005	29000008	18.74	46.45	46.49	46.27
31	300000	2400004	5100005	30000008	19.63	48.13	47.62	48.02
32	310000	2480004	5270005	31000008	19.97	50.18	50.17	50.03
33	320000	2560004	5440005	32000008	21.36	51.98	51.73	51.70
34	330000	2640004	5610005	33000008	21.31	53.31	53.44	53.35
35	340000	2720004	5780005	34000008	23.97	57.93	58.93	58.24
36	350000	2800004	5950005	35000008	22.89	57.96	57.70	57.94
37	360000	2880004	6120005	36000008	24.19	60.09	60.43	60.35
38	370000	2960004	6290005	37000008	24.45	60.58	61.94	62.07
39	380000	3040004	6460005	38000008	25.63	63.97	63.80	63.96
40	390000	3120004	6630005	39000008	26.33	65.68	64.09	64.25
41	400000	3200004	6800005	40000008	26.52	65.95	65.94	66.37
42	410000	3280004	6970005	41000008	26.99	68.03	68.04	67.90
43	420000	3360004	7140005	42000008	27.85	69.91	69.76	69.76
44	430000	3440004	7310005	43000008	28.63	85.06	71.66	71.77
45	440000	3520004	7480005	44000008	29.25	73.48	74.35	73.15
46	450000	3600004	7650005	45000008	29.88	75.54	75.50	75.62
47	460000	3680004	7820005	46000008	31.02	77.47	77.31	79.11
48	470000	3760004	7990005	47000008	31.94	80.81	85.24	80.95
49	480000	3840004	8160005	48000008	32.89	80.93	80.97	82.67
50	490000	3920004	8330005	49000008	33.20	84.50	84.62	98.10
51	500000	4000004	8500005	50000008	34.16	86.80	86.73	86.60

Table 303: *or*4-pyr1seq-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	36	73	408	0.00	0.00	0.00	0.00
2	10000	80004	170005	1000008	406.53	128.50	128.78	96.98
3	20000	160004	340005	2000008	1961.77	532.38	615.12	264.17
4	30000	240004	510005	3000008	to		to	to

Table 304: *or*4-pyr1seq-picosat

7.5 pyr3seq

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	148	401	2360	0.00	0.00	0.00	0.01
2	2500	90004	247505	1470008	3.70	32.12	32.14	5.25
3	5000	180004	495005	2940008	7.08	10.85	10.79	10.90
4	7500	270004	742505	4410008	10.55	16.78	16.82	16.81
5	10000	360004	990005	5880008	13.55	22.27	22.10	22.04
6	12500	450004	1237505	7350008	16.25	27.43	27.76	27.60
7	15000	540004	1485005	8820008	18.61	31.81	31.68	31.77
8	17500	630004	1732505	10290008	21.20	42.18	36.67	41.42
9	20000	720004	1980005	11760008	23.66	41.52	48.63	41.46
10	22500	810004	2227505	13230008	26.58	46.18	46.53	46.35
11	25000	900004	2475005	14700008	28.64	52.31	51.18	50.84
12	27500	990004	2722505	16170008	29.82	53.85	55.19	53.99

13	30000	1080004	2970005	17640008	32.38	58.43	58.79	58.73
14	32500	1170004	3217505	19110008	34.86	63.12	63.17	63.55
15	35000	1260004	3465005	20580008	37.07	68.04	68.10	67.90
16	37500	1350004	3712505	22050008	39.90	72.52	72.46	72.70
17	40000	1440004	3960005	23520008	42.06	77.69	77.37	77.37
18	42500	1530004	4207505	24990008	44.66	82.11	82.17	82.60
19	45000	1620004	4455005	26460008	46.87	87.02	87.05	87.23
20	47500	1710004	4702505	27930008	49.62	91.90	91.77	91.55
21	50000	1800004	4950005	29400008	51.79	96.47	96.43	96.76
22	52500	1890004	5197505	30870008	53.79	101.73	101.13	100.93
23	55000	1980004	5445005	32340008	56.27	106.69	106.23	106.11
24	57500	2070004	5692505	33810008	59.04	111.05	110.89	110.67
25	60000	2160004	5940005	35280008	61.97	115.93	115.83	115.64
26	62500	2250004	6187505	36750008	63.80	121.15	120.38	120.86
27	65000	2340004	6435005	38220008	66.23	125.52	125.68	126.04
28	67500	2430004	6682505	39690008	68.76	130.47	130.38	130.85
29	70000	2520004	6930005	41160008	71.43	135.27	135.69	135.31
30	72500	2610004	7177505	42630008	73.28	140.70	140.94	140.52
31	75000	2700004	7425005	44100008	76.01	144.71	144.61	144.99
32	77500	2790004	7672505	45570008	78.16	149.45	149.61	149.64
33	80000	2880004	7920005	47040008	81.03	154.25	154.40	155.04
34	82500	2970004	8167505	48510008	82.95	160.60	159.55	159.63
35	85000	3060004	8415005	49980008	85.51	164.47	164.33	163.88
36	87500	3150004	8662505	51450008	88.07	169.25	168.98	168.97
37	90000	3240004	8910005	52920008	92.51	173.37	173.10	173.56
38	92500	3330004	9157505	54390008	92.97	179.46	179.07	178.99
39	95000	3420004	9405005	55860008	95.42	mo	mo	mo

Table 305: *or*4-pyr3seq-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	148	401	2360	0.00	0.00	0.00	0.00
2	2500	90004	247505	1470008	16.02	29.83	29.92	46.23
3	5000	180004	495005	2940008	85.22	142.76	143.13	109.13
4	7500	270004	742505	4410008	194.32	314.99	315.97	300.32
5	10000	360004	990005	5880008	390.68	426.59	430.00	493.97
6	12500	450004	1237505	7350008	540.26	836.58	827.21	749.23
7	15000	540004	1485005	8820008	848.48	1128.14	1149.34	1020.93
8	17500	630004	1732505	10290008	1239.65	1473.07	1476.91	3326.75
9	20000	720004	1980005	11760008	2082.28	1881.21	2459.74	1812.36
10	22500	810004	2227505	13230008	2244.52	2749.77	2445.20	2448.66
11	25000	900004	2475005	14700008	2692.76	3353.11	3326.07	to
12	27500	990004	2722505	16170008	3327.61	to	to	3565.21
13	30000	1080004	2970005	17640008	to		to	to

Table 306: *or*4-pyr3seq-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	148	401	2360	0.00	0.00	0.00	0.00
2	2500	90004	247505	1470008	1.23	2.01	1.88	1.86
3	5000	180004	495005	2940008	2.87	4.35	4.36	4.34
4	7500	270004	742505	4410008	3.83	7.14	7.29	7.52
5	10000	360004	990005	5880008	5.40	9.82	9.91	9.87
6	12500	450004	1237505	7350008	6.75	12.81	12.75	12.80
7	15000	540004	1485005	8820008	7.83	15.75	15.62	15.65
8	17500	630004	1732505	10290008	9.59	21.23	18.90	22.42
9	20000	720004	1980005	11760008	11.14	21.75	25.44	21.72
10	22500	810004	2227505	13230008	11.89	24.79	24.83	24.82
11	25000	900004	2475005	14700008	13.56	27.85	27.78	28.00
12	27500	990004	2722505	16170008	14.58	30.67	31.15	30.89

13	30000	1080004	2970005	17640008	16.04	34.11	33.62	33.96
14	32500	1170004	3217505	19110008	17.25	37.09	36.97	36.83
15	35000	1260004	3465005	20580008	18.63	40.16	40.16	40.43
16	37500	1350004	3712505	22050008	20.15	43.59	43.32	43.47
17	40000	1440004	3960005	23520008	21.41	46.65	46.62	46.53
18	42500	1530004	4207505	24990008	22.85	50.08	49.95	49.82
19	45000	1620004	4455005	26460008	24.22	53.29	53.07	53.15
20	47500	1710004	4702505	27930008	25.61	56.18	56.24	56.42
21	50000	1800004	4950005	29400008	27.00	59.78	59.74	59.78
22	52500	1890004	5197505	30870008	28.49	62.97	63.04	62.84
23	55000	1980004	5445005	32340008	29.92	66.27	66.09	66.27
24	57500	2070004	5692505	33810008	31.16	69.21	69.29	69.42
25	60000	2160004	5940005	35280008	32.79	72.81	73.07	72.90
26	62500	2250004	6187505	36750008	33.99	75.94	76.00	75.95
27	65000	2340004	6435005	38220008	35.57	79.63	79.49	79.50
28	67500	2430004	6682505	39690008	36.81	82.75	82.82	82.73
29	70000	2520004	6930005	41160008	38.03	86.36	85.98	86.28
30	72500	2610004	7177505	42630008	39.39	89.63	90.27	89.68
31	75000	2700004	7425005	44100008	40.90	93.04	92.88	92.86
32	77500	2790004	7672505	45570008	42.34	96.45	96.44	96.54
33	80000	2880004	7920005	47040008	43.87	100.15	99.87	100.00
34	82500	2970004	8167505	48510008	45.34	103.35	103.26	103.07
35	85000	3060004	8415005	49980008	46.83	107.65	107.01	106.70
36	87500	3150004	8662505	51450008	48.32	110.26	110.32	110.18
37	90000	3240004	8910005	52920008	49.58	113.26	113.43	113.62
38	92500	3330004	9157505	54390008	51.37	117.36	117.30	117.20
39	95000	3420004	9405005	55860008	52.17	120.61	120.23	120.80
40	97500	3510004	9652505	57330008	53.93	123.97	123.83	124.05
41	100000	3600004	9900005	58800008	55.17	127.06	127.50	126.98

Table 307: *or*4-pyr3seq-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	148	401	2360	0.00	0.00	0.00	0.00
2	2500	90004	247505	1470008	112.17	155.08	155.12	147.45
3	5000	180004	495005	2940008	462.69	614.71	613.15	618.40
4	7500	270004	742505	4410008	1078.42	1496.45	1497.35	1506.05
5	10000	360004	990005	5880008	2083.14	2762.54	2770.67	2712.97
6	12500	450004	1237505	7350008	3394.33	to	to	to

Table 308: *or*4-pyr3seq-picosat

7.6 pyr5seq

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	324	985	5848	0.02	0.01	0.02	0.02
2	1000	80004	245005	1460008	59.36	45.60	45.08	44.94
3	2000	160004	490005	2920008	25.90	106.42	109.38	106.32
4	3000	240004	735005	4380008	9.74	202.80	202.96	195.99
5	4000	320004	980005	5840008	12.53	300.56	300.91	312.88
6	5000	400004	1225005	7300008	15.26	420.54	421.09	424.57
7	6000	480004	1470005	8760008	17.31	546.24	546.59	569.32
8	7000	560004	1715005	10220008	19.47	748.54	750.33	685.75
9	8000	640004	1960005	11680008	22.12	860.15	861.61	878.02
10	9000	720004	2205005	13140008	23.90	1103.93	1102.25	1095.92
11	10000	800004	2450005	14600008	26.71	1335.18	1325.67	1283.38
12	11000	880004	2695005	16060008	29.30	1526.22	1525.23	1512.86
13	12000	960004	2940005	17520008	30.14	1736.46	1739.70	1693.95
14	13000	1040004	3185005	18980008	32.67	1911.60	1908.76	1924.17
15	14000	1120004	3430005	20440008	35.06	2056.62	2052.82	2147.80

16	15000	1200004	3675005	21900008	36.82	2413.77	2416.82	2461.70
17	16000	1280004	3920005	23360008	39.22	2744.83	2745.19	2678.52
18	17000	1360004	4165005	24820008	41.53	3080.66	3083.18	3163.62
19	18000	1440004	4410005	26280008	43.72	3246.79	3250.84	3360.64
20	19000	1520004	4655005	27740008	45.93	3396.19	3391.32	to
21	20000	1600004	4900005	29200008	48.20	to	to	to

Table 309: *or*4-pyr5seq-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	324	985	5848	0.00	0.02	0.02	0.01
2	1000	80004	245005	1460008	114.52	153.18	153.31	400.69
3	2000	160004	490005	2920008	88.46	241.86	261.79	192.75
4	3000	240004	735005	4380008	606.64	644.02	648.19	873.12
5	4000	320004	980005	5840008	386.36	3006.82	3004.66	to
6	5000	400004	1225005	7300008	540.30	1508.39	1495.32	2620.88
7	6000	480004	1470005	8760008	767.82	to	to	to

Table 310: *or*4-pyr5seq-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	324	985	5848	0.00	0.00	0.00	0.00
2	1000	80004	245005	1460008	1.26	1.91	1.94	1.94
3	2000	160004	490005	2920008	2.62	4.55	4.54	4.54
4	3000	240004	735005	4380008	4.30	7.24	7.26	7.32
5	4000	320004	980005	5840008	5.46	10.23	10.24	10.19
6	5000	400004	1225005	7300008	6.92	13.26	13.14	13.24
7	6000	480004	1470005	8760008	8.20	16.19	16.19	16.21
8	7000	560004	1715005	10220008	9.70	19.30	19.43	19.26
9	8000	640004	1960005	11680008	11.13	22.42	22.37	22.39
10	9000	720004	2205005	13140008	12.44	25.39	25.62	25.64
11	10000	800004	2450005	14600008	14.02	28.86	28.85	28.89
12	11000	880004	2695005	16060008	15.43	32.06	32.01	32.10
13	12000	960004	2940005	17520008	16.76	35.16	35.19	35.24
14	13000	1040004	3185005	18980008	18.35	38.42	38.57	38.43
15	14000	1120004	3430005	20440008	19.88	41.72	41.88	41.84
16	15000	1200004	3675005	21900008	21.27	45.05	44.96	45.04
17	16000	1280004	3920005	23360008	22.58	48.38	48.37	48.44
18	17000	1360004	4165005	24820008	24.14	51.65	51.75	51.70
19	18000	1440004	4410005	26280008	25.57	55.13	55.09	55.08
20	19000	1520004	4655005	27740008	27.06	58.37	58.58	58.33
21	20000	1600004	4900005	29200008	28.69	62.04	61.85	62.03
22	21000	1680004	5145005	30660008	30.24	65.55	65.20	65.31
23	22000	1760004	5390005	32120008	31.62	68.62	68.82	68.67
24	23000	1840004	5635005	33580008	33.20	72.39	72.37	72.14
25	24000	1920004	5880005	35040008	34.39	75.55	75.58	75.74
26	25000	2000004	6125005	36500008	35.83	79.14	79.03	79.10
27	26000	2080004	6370005	37960008	37.47	82.08	82.54	82.29
28	27000	2160004	6615005	39420008	38.94	86.13	85.86	85.97
29	28000	2240004	6860005	40880008	40.29	89.35	89.48	89.26
30	29000	2320004	7105005	42340008	41.93	92.88	93.07	92.86
31	30000	2400004	7350005	43800008	43.50	96.45	96.63	96.51
32	31000	2480004	7595005	45260008	44.91	99.89	99.75	99.97
33	32000	2560004	7840005	46720008	46.61	103.38	103.30	103.28
34	33000	2640004	8085005	48180008	47.70	106.74	106.78	106.80
35	34000	2720004	8330005	49640008	49.33	110.62	110.45	110.47
36	35000	2800004	8575005	51100008	51.01	113.77	113.96	114.03
37	36000	2880004	8820005	52560008	52.43	118.13	117.90	117.57
38	37000	2960004	9065005	54020008	53.69	121.28	121.19	121.38
39	38000	3040004	9310005	55480008	55.27	124.56	124.54	124.69

40	39000	3120004	9555005	56940008	56.83	128.44	128.66	128.70
41	40000	3200004	9800005	58400008	58.34	131.69	132.05	131.95
42	41000	3280004	10045005	59860008	59.94	135.68	135.58	135.49
43	42000	3360004	10290005	61320008	61.41	138.69	139.24	139.10
44	43000	3440004	10535005	62780008	62.96	142.54	142.95	142.59
45	44000	3520004	10780005	64240008	64.53	145.91	146.08	146.58
46	45000	3600004	11025005	65700008	66.07	150.49	150.46	150.06
47	46000	3680004	11270005	67160008	67.32	153.43	153.65	154.15
48	47000	3760004	11515005	68620008	69.30	156.92	157.96	157.23
49	48000	3840004	11760005	70080008	70.29	160.48	160.46	160.75
50	49000	3920004	12005005	71540008	71.89	164.43	164.52	164.82
51	50000	4000004	12250005	73000008	73.64	168.06	168.12	168.26

Table 311: *or*4-pyr5seq-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	324	985	5848	0.01	0.01	0.01	0.01
2	1000	80004	245005	1460008	217.97	212.72	238.81	393.14
3	2000	160004	490005	2920008	915.02	1127.45	1131.33	870.45
4	3000	240004	735005	4380008	2194.56	2051.87	2205.84	2314.19
5	4000	320004	980005	5840008	to	to		to

Table 312: *or*4-pyr5seq-picosat

7.7 pyramid

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	24	55	304	0.00	0.00	0.00	0.00
2	4	60	169	984	0.00	0.00	0.00	0.00
3	6	112	347	2048	0.00	0.01	0.01	0.00
4	8	180	589	3496	0.01	0.02	0.02	0.01
5	10	264	895	5328	0.04	0.03	0.04	0.05
6	12	364	1265	7544	0.05	0.06	0.05	0.07
7	14	480	1699	10144	0.02	0.10	0.05	0.10
8	16	612	2197	13128	0.05	0.07	0.08	0.07
9	18	760	2759	16496	0.12	0.14	0.24	0.12
10	20	924	3385	20248	0.04	0.14	0.14	0.15
11	22	1104	4075	24384	0.15	0.16	0.16	0.16
12	24	1300	4829	28904	0.18	0.19	0.18	0.19
13	26	1512	5647	33808	0.37	0.21	0.23	0.41
14	28	1740	6529	39096	0.27	0.28	0.46	0.32
15	30	1984	7475	44768	0.08	0.33	0.33	0.30
16	32	2244	8485	50824	0.32	0.54	0.38	0.35
17	34	2520	9559	57264	0.35	0.42	0.61	0.39
18	36	2812	10697	64088	0.64	0.48	0.83	0.48
19	38	3120	11899	71296	0.75	0.53	0.54	0.52
20	40	3444	13165	78888	0.66	0.67	0.54	0.67
21	42	3784	14495	86864	1.00	0.67	0.67	0.67
22	44	4140	15889	95224	0.81	1.09	0.71	0.72
23	46	4512	17347	103968	0.35	1.16	0.82	0.83
24	48	4900	18869	113096	1.15	0.92	1.17	0.88
25	50	5304	20455	122608	1.32	1.20	0.97	1.07
26	52	5724	22105	132504	1.31	1.33	1.46	1.28
27	54	6160	23819	142784	1.25	1.35	1.57	1.50
28	56	6612	25597	153448	1.45	1.50	1.46	1.26
29	58	7080	27439	164496	1.50	1.71	1.66	1.71
30	60	7564	29345	175928	1.63	1.40	1.76	1.76
31	62	8064	31315	187744	1.57	1.91	1.87	1.92
32	64	8580	33349	199944	0.67	2.04	2.06	1.92
33	66	9112	35447	212528	1.92	2.16	2.28	2.26

34	68	9660	37609	225496	2.14	2.38	2.23	2.56
35	70	10224	39835	238848	1.40	2.59	2.45	2.53
36	72	10804	42125	252584	2.32	2.41	2.43	2.38
37	74	11400	44479	266704	2.36	2.64	2.77	2.94
38	76	12012	46897	281208	2.90	3.05	2.83	2.91
39	78	12640	49379	296096	0.98	3.00	3.26	3.09
40	80	13284	51925	311368	3.01	3.29	3.52	3.47
41	82	13944	54535	327024	3.28	3.77	3.89	3.78
42	84	14620	57209	343064	3.65	4.03	3.73	3.86
43	86	15312	59947	359488	3.44	4.29	4.32	4.29
44	88	16020	62749	376296	3.55	4.33	4.60	4.55
45	90	16744	65615	393488	3.80	4.60	4.82	5.01
46	92	17484	68545	411064	4.43	4.80	4.82	4.87
47	94	18240	71539	429024	4.51	5.08	5.43	4.97
48	96	19012	74597	447368	4.75	5.35	5.38	5.63
49	98	19800	77719	466096	5.22	6.48	5.88	5.72
50	100	20604	80905	485208	5.20	6.43	6.54	6.22
51	105	22684	89150	534668	5.71	7.43	7.58	7.45
52	110	24864	97795	586528	6.98	8.12	8.30	7.87
53	115	27144	106840	640788	7.48	9.82	9.43	9.41
54	120	29524	116285	697448	1.93	12.28	11.88	11.83
55	125	32004	126130	756508	1.96	13.45	13.34	14.47
56	130	34584	136375	817968	12.01	14.60	14.69	14.96
57	135	37264	147020	881828	13.35	16.41	16.45	17.16
58	140	40044	158065	948088	15.33	18.13	18.38	21.34
59	145	42924	169510	1016748	14.78	20.35	20.64	21.46
60	150	45904	181355	1087808	14.72	23.57	23.76	23.16
61	155	48984	193600	1161268	14.83	27.00	26.84	26.03
62	160	52164	206245	1237128	19.85	29.23	28.97	31.74
63	165	55444	219290	1315388	2.77	31.11	31.51	34.65
64	170	58824	232735	1396048	22.15	38.42	38.63	36.01
65	175	62304	246580	1479108	24.52	43.07	42.83	43.95
66	180	65884	260825	1564568	3.70	46.26	46.28	47.26
67	185	69564	275470	1652428	3.65	50.59	50.43	53.12
68	190	73344	290515	1742688	33.12	58.54	58.33	53.88
69	195	77224	305960	1835348	24.01	57.66	57.76	60.89
70	200	81204	321805	1930408	4.24	67.60	67.84	63.01
71	205	85284	338050	2027868	4.42	71.51	71.48	72.67
72	210	89464	354695	2127728	31.98	78.52	77.60	86.00
73	215	93744	371740	2229988	29.11	85.92	86.23	86.70
74	220	98124	389185	2334648	5.26	92.73	92.27	97.98
75	225	102604	407030	2441708	49.51	99.57	98.76	103.23
76	230	107184	425275	2551168	43.33	117.83	118.77	122.55
77	235	111864	443920	2663028	5.72	131.33	130.79	117.10
78	240	116644	462965	2777288	6.18	137.86	138.51	146.98
79	245	121524	482410	2893948	6.09	155.48	156.43	158.98
80	250	126504	502255	3013008	66.42	190.97	190.74	171.76
81	255	131584	522500	3134468	6.55	183.34	181.31	181.82
82	260	136764	543145	3258328	6.88	185.25	185.26	180.80
83	265	142044	564190	3384588	7.06	200.12	200.46	202.97
84	270	147424	585635	3513248	7.37	217.91	217.73	216.13
85	275	152904	607480	3644308	102.31	221.96	221.74	225.11
86	280	158484	629725	3777768	7.96	246.42	246.77	271.55
87	285	164164	652370	3913628	7.90	296.05	293.72	299.81
88	290	169944	675415	4051888	129.72	299.48	299.66	302.77
89	295	175824	698860	4192548	8.97	298.75	298.51	301.19
90	300	181804	722705	4335608	111.08	363.76	365.31	317.38
91	305	187884	746950	4481068	9.25	353.31	355.81	382.23
92	310	194064	771595	4628928	149.03	434.10	435.24	415.97
93	315	200344	796640	4779188	10.02	383.66	381.94	391.14
94	320	206724	822085	4931848	10.05	515.95	516.95	456.71
95	325	213204	847930	5086908	10.35	472.55	475.05	414.17

96	330	219784	874175	5244368	10.82	540.85	541.22	575.32
97	335	226464	900820	5404228	92.72	513.69	515.17	526.15
98	340	233244	927865	5566488	213.68	579.04	582.89	561.07
99	345	240124	955310	5731148	11.43	573.17	577.85	587.69
100	350	247104	983155	5898208	12.00	682.48	684.63	617.88
101	355	254184	1011400	6067668	12.45	647.59	650.16	632.19
102	360	261364	1040045	6239528	12.62	747.36	746.01	755.00
103	365	268644	1069090	6413788	12.66	812.38	811.12	763.58
104	370	276024	1098535	6590448	13.11	807.21	804.25	835.25
105	375	283504	1128380	6769508	13.14	822.65	825.98	812.14
106	380	291084	1158625	6950968	13.59	878.51	873.17	901.42
107	385	298764	1189270	7134828	13.89	980.28	981.49	1010.86
108	390	306544	1220315	7321088	14.33	1023.69	1025.72	930.76
109	395	314424	1251760	7509748	14.26	1145.71	1147.52	993.52
110	400	322404	1283605	7700808	14.76	1094.05	1083.71	1277.15
111	405	330484	1315850	7894268	14.79	1202.63	1202.91	1156.56
112	410	338664	1348495	8090128	15.35	1263.22	1258.46	1377.28
113	415	346944	1381540	8288388	15.57	1445.75	1448.05	1387.20
114	420	355324	1414985	8489048	16.39	1429.75	1427.82	1442.16
115	425	363804	1448830	8692108	16.09	1457.05	1454.61	1239.01
116	430	372384	1483075	8897568	16.72	1585.02	1588.56	1632.21
117	435	381064	1517720	9105428	16.66	1654.52	1659.44	1612.48
118	440	389844	1552765	9315688	17.42	2593.49	2608.40	2147.59
119	445	398724	1588210	9528348	17.27	1663.45	1660.49	1836.19
120	450	407704	1624055	9743408	17.45	1987.52	1991.93	1720.03
121	455	416784	1660300	9960868	17.98	3303.17	3283.26	2255.03
122	460	425964	1696945	10180728	17.85	2192.52	2187.42	2288.26
123	465	435244	1733990	10402988	17.98	2162.11	2156.62	2540.42
124	470	444624	1771435	10627648	18.47	2297.51	2287.45	2348.30
125	475	454104	1809280	10854708	18.79	2477.82	2479.13	3485.15
126	480	463684	1847525	11084168	18.97	3111.49	3107.83	2659.84
127	485	473364	1886170	11316028	524.51	2861.55	2861.05	to
128	490	483144	1925215	11550288	622.59	3003.89	3008.20	3053.94
129	495	493024	1964660	11786948	20.04	3267.42	3271.08	2681.40
130	500	503004	2004505	12026008	20.20	2696.60	2693.79	2688.76
131	525	554404	2209730	13257308	21.87	to	to	3007.86
132	550	608304	2424955	14548608	23.84	to	to	to

Table 313: *or*4-pyramid-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	24	55	304	0.00	0.00	0.00	0.00
2	4	60	169	984	0.00	0.00	0.00	0.00
3	6	112	347	2048	0.00	0.00	0.00	0.01
4	8	180	589	3496	0.00	0.01	0.02	0.03
5	10	264	895	5328	0.02	0.02	0.02	0.06
6	12	364	1265	7544	0.07	0.22	0.20	0.03
7	14	480	1699	10144	0.19	1.67	1.34	0.87
8	16	612	2197	13128	0.67	1.24	0.89	3.21
9	18	760	2759	16496	1.70	2.29	2.51	2.98
10	20	924	3385	20248	1.16	6.72	6.53	8.89
11	22	1104	4075	24384	6.79	3.90	3.66	8.02
12	24	1300	4829	28904	14.08	13.87	13.73	13.63
13	26	1512	5647	33808	35.39	7.84	7.53	9.32
14	28	1740	6529	39096	29.70	20.52	20.33	23.69
15	30	1984	7475	44768	46.75	32.63	32.34	39.02
16	32	2244	8485	50824	33.97	88.41	88.80	60.09
17	34	2520	9559	57264	89.56	123.25	123.20	21.99
18	36	2812	10697	64088	231.02	124.89	124.73	530.11
19	38	3120	11899	71296	269.77	453.44	454.41	199.89
20	40	3444	13165	78888	648.81	981.84	982.22	991.52

21	42	3784	14495	86864	1047.59	322.65	322.41	996.33
22	44	4140	15889	95224	1696.68	119.59	120.20	729.88
23	46	4512	17347	103968		to	to	to

Table 314: *or*4-pyramid-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	24	55	304	0.00	0.00	0.00	0.00
2	4	60	169	984	0.00	0.00	0.00	0.00
3	6	112	347	2048	0.00	0.00	0.00	0.00
4	8	180	589	3496	0.00	0.00	0.00	0.00
5	10	264	895	5328	0.00	0.00	0.00	0.00
6	12	364	1265	7544	0.00	0.00	0.00	0.00
7	14	480	1699	10144	0.01	0.00	0.00	0.00
8	16	612	2197	13128	0.01	0.00	0.00	0.01
9	18	760	2759	16496	0.01	0.01	0.01	0.01
10	20	924	3385	20248	0.00	0.01	0.01	0.01
11	22	1104	4075	24384	0.01	0.01	0.01	0.03
12	24	1300	4829	28904	0.01	0.02	0.02	0.01
13	26	1512	5647	33808	0.02	0.04	0.01	0.02
14	28	1740	6529	39096	0.03	0.04	0.02	0.02
15	30	1984	7475	44768	0.02	0.03	0.03	0.03
16	32	2244	8485	50824	0.03	0.02	0.06	0.03
17	34	2520	9559	57264	0.03	0.04	0.07	0.07
18	36	2812	10697	64088	0.03	0.04	0.07	0.08
19	38	3120	11899	71296	0.04	0.09	0.05	0.05
20	40	3444	13165	78888	0.08	0.09	0.10	0.05
21	42	3784	14495	86864	0.08	0.11	0.11	0.06
22	44	4140	15889	95224	0.09	0.06	0.07	0.11
23	46	4512	17347	103968	0.05	0.12	0.12	0.08
24	48	4900	18869	113096	0.05	0.11	0.08	0.11
25	50	5304	20455	122608	0.07	0.16	0.08	0.09
26	52	5724	22105	132504	0.13	0.09	0.10	0.10
27	54	6160	23819	142784	0.08	0.12	0.17	0.18
28	56	6612	25597	153448	0.15	0.10	0.13	0.12
29	58	7080	27439	164496	0.16	0.20	0.19	0.20
30	60	7564	29345	175928	0.15	0.12	0.22	0.23
31	62	8064	31315	187744	0.09	0.24	0.16	0.24
32	64	8580	33349	199944	0.11	0.23	0.26	0.15
33	66	9112	35447	212528	0.20	0.28	0.27	0.27
34	68	9660	37609	225496	0.13	0.17	0.30	0.18
35	70	10224	39835	238848	0.20	0.18	0.32	0.32
36	72	10804	42125	252584	0.23	0.19	0.19	0.19
37	74	11400	44479	266704	0.14	0.21	0.24	0.27
38	76	12012	46897	281208	0.28	0.38	0.22	0.22
39	78	12640	49379	296096	0.30	0.23	0.39	0.24
40	80	13284	51925	311368	0.29	0.26	0.41	0.34
41	82	13944	54535	327024	0.23	0.44	0.42	0.43
42	84	14620	57209	343064	0.34	0.44	0.27	0.28
43	86	15312	59947	359488	0.19	0.28	0.49	0.28
44	88	16020	62749	376296	0.35	0.32	0.47	0.51
45	90	16744	65615	393488	0.22	0.54	0.55	0.32
46	92	17484	68545	411064	0.42	0.36	0.31	0.34
47	94	18240	71539	429024	0.25	0.34	0.60	0.36
48	96	19012	74597	447368	0.25	0.36	0.38	0.63
49	98	19800	77719	466096	0.45	0.64	0.38	0.59
50	100	20604	80905	485208	0.37	0.69	0.39	0.41
51	105	22684	89150	534668	0.55	0.76	0.68	0.78
52	110	24864	97795	586528	0.59	0.79	0.81	0.49
53	115	27144	106840	640788	0.37	0.56	0.74	0.79
54	120	29524	116285	697448	0.42	0.97	0.62	0.88

55	125	32004	126130	756508	0.73	0.69	0.92	1.05
56	130	34584	136375	817968	0.70	0.76	1.04	0.75
57	135	37264	147020	881828	0.53	0.88	0.84	1.16
58	140	40044	158065	948088	0.79	1.04	1.07	1.21
59	145	42924	169510	1016748	0.88	1.00	1.06	1.01
60	150	45904	181355	1087808	0.64	1.34	1.12	1.41
61	155	48984	193600	1161268	0.69	1.20	1.24	1.48
62	160	52164	206245	1237128	1.10	1.56	1.29	1.51
63	165	55444	219290	1315388	1.04	1.69	1.42	1.42
64	170	58824	232735	1396048	0.82	1.51	1.71	1.51
65	175	62304	246580	1479108	1.20	1.63	1.64	1.86
66	180	65884	260825	1564568	1.27	1.97	1.76	1.94
67	185	69564	275470	1652428	1.24	1.87	1.86	2.02
68	190	73344	290515	1742688	1.28	2.07	2.03	2.20
69	195	77224	305960	1835348	1.45	2.17	2.40	2.27
70	200	81204	321805	1930408	1.19	2.51	2.25	2.31
71	205	85284	338050	2027868	1.23	2.42	2.61	2.70
72	210	89464	354695	2127728	1.27	2.87	2.55	2.75
73	215	93744	371740	2229988	1.59	2.72	2.88	2.85
74	220	98124	389185	2334648	1.59	3.13	2.84	3.10
75	225	102604	407030	2441708	1.48	3.22	3.02	3.28
76	230	107184	425275	2551168	1.85	3.16	3.38	3.20
77	235	111864	443920	2663028	1.94	3.32	3.34	3.40
78	240	116644	462965	2777288	1.68	3.52	3.83	3.55
79	245	121524	482410	2893948	1.99	3.76	4.10	3.74
80	250	126504	502255	3013008	1.85	3.95	4.27	3.97
81	255	131584	522500	3134468	1.92	4.43	4.11	4.13
82	260	136764	543145	3258328	2.31	4.36	4.61	4.34
83	265	142044	564190	3384588	2.36	4.72	4.57	4.50
84	270	147424	585635	3513248	2.26	4.79	4.93	4.71
85	275	152904	607480	3644308	2.22	4.95	5.15	4.91
86	280	158484	629725	3777768	2.30	5.37	5.43	5.45
87	285	164164	652370	3913628	2.42	5.49	5.65	5.59
88	290	169944	675415	4051888	2.81	5.65	5.63	5.83
89	295	175824	698860	4192548	2.89	6.14	5.87	6.13
90	300	181804	722705	4335608	2.99	6.38	6.24	6.10
91	305	187884	746950	4481068	2.77	6.32	6.46	6.44
92	310	194064	771595	4628928	3.10	6.66	6.75	6.84
93	315	200344	796640	4779188	3.32	7.00	6.87	7.06
94	320	206724	822085	4931848	3.29	7.35	7.17	7.12
95	325	213204	847930	5086908	3.32	7.46	7.63	7.42
96	330	219784	874175	5244368	3.63	7.94	7.73	7.84
97	335	226464	900820	5404228	3.67	8.20	8.21	8.17
98	340	233244	927865	5566488	3.74	8.48	8.54	8.49
99	345	240124	955310	5731148	3.57	8.60	8.76	8.78
100	350	247104	983155	5898208	4.00	9.00	9.14	8.95
101	355	254184	1011400	6067668	4.14	9.34	9.44	9.38
102	360	261364	1040045	6239528	3.91	9.55	9.55	9.75
103	365	268644	1069090	6413788	4.08	10.08	9.84	10.05
104	370	276024	1098535	6590448	4.26	10.03	10.26	10.26
105	375	283504	1128380	6769508	4.49	10.66	10.73	10.75
106	380	291084	1158625	6950968	4.47	10.87	10.94	10.86
107	385	298764	1189270	7134828	4.81	11.12	11.23	11.30
108	390	306544	1220315	7321088	4.51	11.57	11.68	11.51
109	395	314424	1251760	7509748	4.73	11.87	12.04	11.99
110	400	322404	1283605	7700808	4.83	12.33	12.36	12.41
111	405	330484	1315850	7894268	5.17	12.67	12.58	12.83
112	410	338664	1348495	8090128	5.11	13.13	12.98	12.97
113	415	346944	1381540	8288388	5.27	13.47	13.22	13.46
114	420	355324	1414985	8489048	5.53	13.74	13.84	13.87
115	425	363804	1448830	8692108	5.88	14.11	14.11	14.10
116	430	372384	1483075	8897568	5.81	14.60	14.69	14.68

117	435	381064	1517720	9105428	6.01	14.87	15.01	15.10
118	440	389844	1552765	9315688	6.14	15.48	15.45	15.54
119	445	398724	1588210	9528348	6.42	15.81	15.65	15.77
120	450	407704	1624055	9743408	6.18	16.08	16.39	16.10
121	455	416784	1660300	9960868	6.60	16.50	16.59	16.71
122	460	425964	1696945	10180728	6.60	17.16	17.04	16.94
123	465	435244	1733990	10402988	6.86	17.38	17.43	17.38
124	470	444624	1771435	10627648	6.76	17.83	17.92	18.04
125	475	454104	1809280	10854708	6.85	18.40	18.34	18.31
126	480	463684	1847525	11084168	7.07	18.73	18.92	18.70
127	485	473364	1886170	11316028	7.11	19.20	19.30	19.32
128	490	483144	1925215	11550288	7.30	19.82	19.62	19.77
129	495	493024	1964660	11786948	7.49	20.23	20.10	20.24
130	500	503004	2004505	12026008	7.98	20.60	20.48	20.51
131	525	554404	2209730	13257308	8.37	23.01	23.17	22.92
132	550	608304	2424955	14548608	9.64	25.65	25.42	25.61
133	575	664704	2650180	15899908	10.25	28.38	28.35	28.40
134	600	723604	2885405	17311208	11.13	31.44	31.50	31.34
135	625	785004	3130630	18782508	12.10	34.29	34.58	34.44
136	650	848904	3385855	20313808	13.32	37.46	37.70	37.61
137	675	915304	3651080	21905108	14.17	40.99	40.91	41.00
138	700	984204	3926305	23556408	15.65	44.47	44.35	44.35
139	725	1055604	4211530	25267708	16.71	48.10	48.08	48.09
140	750	1129504	4506755	27039008	17.93	52.12	51.85	51.78
141	775	1205904	4811980	28870308	19.26	56.07	55.94	56.11
142	800	1284804	5127205	30761608	20.11	60.04	59.93	60.18
143	825	1366204	5452430	32712908	21.92	64.57	64.27	64.29
144	850	1450104	5787655	34724208	23.09	69.04	68.73	68.83
145	875	1536504	6132880	36795508	24.40	73.47	73.59	73.39
146	900	1625404	6488105	38926808	25.94	78.65	78.75	78.52
147	925	1716804	6853330	41118108	27.29	83.34	83.28	83.57
148	950	1810704	7228555	43369408	28.96	88.71	88.74	88.56
149	975	1907104	7613780	45680708	30.69	94.11	93.98	93.78
150	1000	2006004	8009005	48052008	32.27	99.65	99.69	99.57

Table 315: *or*4-pyramid-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	24	55	304	0.00	0.00	0.00	0.00
2	4	60	169	984	0.00	0.00	0.00	0.00
3	6	112	347	2048	0.01	0.01	0.01	0.00
4	8	180	589	3496	0.18	0.00	0.09	0.02
5	10	264	895	5328	0.27	0.42	0.02	0.03
6	12	364	1265	7544	0.44	0.50	0.49	0.31
7	14	480	1699	10144	1.03	0.53	0.06	0.42
8	16	612	2197	13128	1.98	0.58	0.75	0.88
9	18	760	2759	16496	1.09	4.07	0.99	0.73
10	20	924	3385	20248	6.52	0.39	0.39	5.38
11	22	1104	4075	24384	0.67	7.22	1.04	1.31
12	24	1300	4829	28904	11.06	2.29	2.35	1.90
13	26	1512	5647	33808	1.92	18.25	1.28	1.43
14	28	1740	6529	39096	3.33	21.48	21.25	1.93
15	30	1984	7475	44768	2.79	4.76	9.77	1.62
16	32	2244	8485	50824	103.87	46.51	46.84	4.74
17	34	2520	9559	57264	169.48	5.01	104.70	45.56
18	36	2812	10697	64088	9.07	8.32	36.84	6.67
19	38	3120	11899	71296	10.66	35.97	35.87	94.86
20	40	3444	13165	78888	7.63	119.53	14.43	348.92
21	42	3784	14495	86864	16.78	24.40	2068.49	1210.08
22	44	4140	15889	95224	to	1231.72	23.20	40.92
23	46	4512	17347	103968	to	2098.19	2097.18	16.63

24	48	4900	18869	113096	to	to	14.30	to

Table 316: *or*4-pyramid-picosat

7.8 pyrofpyr

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	36	88	500	0.00	0.00	0.00	0.00
2	2	144	445	2632	0.01	0.01	0.01	0.01
3	3	400	1364	8132	0.03	0.06	0.04	0.04
4	4	900	3229	19304	0.12	0.16	0.16	0.16
5	5	1764	6520	39028	0.30	0.72	0.70	0.48
6	6	3136	11813	70760	0.59	1.28	1.30	1.28
7	7	5184	19780	118532	1.13	2.80	2.79	3.65
8	8	8100	31189	186952	3.52	7.65	7.64	8.81
9	9	12100	46904	281204	1.10	16.53	16.54	18.43
10	10	17424	67885	407048	30.99	38.16	38.12	37.17
11	11	24336	95188	570820	56.87	62.14	62.25	63.17
12	12	33124	129965	779432	111.82	109.48	109.62	121.06
13	13	44100	173464	1040372	69.76	177.82	178.04	212.27
14	14	57600	227029	1361704	4.70	314.68	315.23	281.28
15	15	73984	292100	1752068	260.22	319.03	319.52	319.82
16	16	93636	370213	2220680	358.44	540.41	539.35	443.36
17	17	116964	463000	2777332	9.00	739.23	738.79	811.48
18	18	144400	572189	3432392	11.19	937.32	936.02	991.77
19	19	176400	699604	4196804	13.48	1159.43	1158.87	1109.41
20	20	213444	847165	5082088	16.05	2019.51	2029.86	1882.09
21	21	256036	1016888	6100340	18.93	2692.15	2672.20	2416.60
22	22	304704	1210885	7264232	21.85	3478.19	3470.46	2974.52
23	23	360000	1431364	8587012		to	to	to

Table 317: *or*4-pyrofpyr-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	36	88	500	0.00	0.00	0.00	0.00
2	2	144	445	2632	0.00	0.00	0.00	0.00
3	3	400	1364	8132	0.03	0.02	0.01	0.02
4	4	900	3229	19304	0.66	0.98	0.96	0.56
5	5	1764	6520	39028	17.84	68.70	68.99	41.08
6	6	3136	11813	70760	to	to	to	1616.60

Table 318: *or*4-pyrofpyr-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	36	88	500	0.00	0.00	0.00	0.00
2	2	144	445	2632	0.00	0.00	0.00	0.00
3	3	400	1364	8132	0.00	0.00	0.00	0.00
4	4	900	3229	19304	0.01	0.01	0.01	0.01
5	5	1764	6520	39028	0.02	0.02	0.02	0.02
6	6	3136	11813	70760	0.04	0.05	0.05	0.05
7	7	5184	19780	118532	0.04	0.07	0.09	0.08
8	8	8100	31189	186952	0.11	0.13	0.13	0.14
9	9	12100	46904	281204	0.14	0.22	0.21	0.21
10	10	17424	67885	407048	0.23	0.31	0.32	0.33
11	11	24336	95188	570820	0.32	0.47	0.49	0.48
12	12	33124	129965	779432	0.45	0.68	0.68	0.68
13	13	44100	173464	1040372	0.63	0.97	0.98	0.97
14	14	57600	227029	1361704	0.81	1.36	1.33	1.35

15	15	73984	292100	1752068	1.07	1.84	1.84	1.86
16	16	93636	370213	2220680	1.40	2.42	2.49	2.49
17	17	116964	463000	2777332	1.72	3.25	3.26	3.23
18	18	144400	572189	3432392	2.17	4.16	4.18	4.18
19	19	176400	699604	4196804	2.65	5.27	5.27	5.36
20	20	213444	847165	5082088	3.23	6.64	6.81	6.68
21	21	256036	1016888	6100340	3.92	8.37	8.24	8.27
22	22	304704	1210885	7264232	4.69	10.14	10.05	10.14
23	23	360000	1431364	8587012	5.50	12.39	12.37	12.45
24	24	422500	1680629	10082504	6.57	14.86	14.86	14.86
25	25	492804	1961080	11765108	7.71	17.80	17.73	17.81
26	26	571536	2275213	13649800	8.91	21.12	21.13	20.95
27	27	659344	2625620	15752132	10.33	24.85	24.78	24.75
28	28	756900	3014989	18088232	11.91	28.91	29.09	28.99
29	29	864900	3446104	20674804	13.68	33.96	33.76	33.82
30	30	984064	3921845	23529128	15.53	39.13	39.06	38.91
31	31	1115136	4445188	26669060	17.91	44.99	45.02	45.02
32	32	1258884	5019205	30113032	20.28	51.45	51.65	51.57
33	33	1416100	5647064	33880052	22.81	58.93	58.99	58.77
34	34	1587600	6332029	37989704	25.76	67.18	67.06	66.99
35	35	1774224	7077460	42462148	29.09	75.81	76.03	75.93
36	36	1976836	7886813	47318120	32.66	85.44	85.59	85.67
37	37	2196324	8763640	52578932	36.49	96.58	96.52	96.33
38	38	2433600	9711589	58266472	40.71	108.18	108.41	108.14
39	39	2689600	10734404	64403204	45.31	120.99	120.70	121.14
40	40	2965284	11835925	71012168	50.27	134.98	135.05	135.16
41	41	3261636	13020088	78116980	55.85	150.76	150.44	150.45
42	42	3579664	14290925	85741832	61.55	166.75	166.63	167.04
43	43	3920400	15652564	93911492	67.76	185.20	185.37	184.82
44	44	4284900	17109229	102651304	74.88	204.74	205.13	204.50
45	45	4674244	18665240	111987188	82.18	264.22	226.17	226.26
46	46	5089536	20325013	121945640	89.97	249.17	249.37	249.33
47	47	5531904	22093060	132553732	98.93	275.43	275.23	274.38
48	48	6002500	23973989	143839112	107.33	301.22	301.61	301.29
49	49	6502500	25972504	155830004	117.60	329.64	329.69	329.61
50	50	7033104	28093405	168555208	128.26	360.95	360.88	361.27

Table 319: *or*4-pyrofpyr-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	36	88	500	0.00	0.00	0.00	0.00
2	2	144	445	2632	0.00	0.01	0.00	0.00
3	3	400	1364	8132	0.03	0.04	0.04	0.03
4	4	900	3229	19304	0.76	3.58	3.57	1.06
5	5	1764	6520	39028	5.81	315.35	7.34	9.22
6	6	3136	11813	70760	33.75	47.46	to	to
7	7	5184	19780	118532	to	to	to	154.34

Table 320: *or*4-pyrofpyr-picosat

7.9 pyrseqsqrt

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	172	497	2936	0.00	0.00	0.00	0.00
2	3	436	1373	8168	0.01	0.04	0.04	0.03
3	4	884	2925	17448	0.07	0.12	0.11	0.11
4	5	1824	6235	37248	0.08	0.31	0.31	0.23
5	6	3244	11345	67832	0.42	0.50	0.50	0.49
6	7	5240	18639	111504	1.00	1.01	1.02	0.99
7	8	8516	30693	183688	1.95	1.87	1.89	1.82

8	9	12100	44069	263816	1.09	3.00	3.01	2.82
9	10	17484	64225	384568	4.82	4.80	4.82	4.91
10	11	25304	93615	560656	5.64	7.58	7.50	7.74
11	12	33700	125429	751304	14.38	12.15	12.19	12.49
12	13	45244	169265	1014008	22.87	20.56	20.59	20.37
13	14	59028	221821	1329000	3.54	30.58	30.53	29.12
14	15	75244	283865	1700888	44.45	44.17	44.33	45.15
15	16	94084	356165	2134280	4.52	62.98	62.81	61.71
16	17	118256	449043	2691040	107.45	90.37	89.96	88.63
17	18	146020	555989	3332168	6.70	128.14	127.88	130.60
18	19	177616	677963	4063424	7.99	183.06	182.77	180.64
19	20	213284	815925	4890568	293.61	242.58	243.56	252.17
20	21	257044	985325	5906216	11.44	349.87	351.21	366.18
21	22	306068	1175421	7045992	12.90	512.25	512.18	515.00
22	23	360644	1387365	8316808	14.94	678.22	674.65	658.57
23	24	425956	1641173	9838664	16.77	976.17	974.71	956.64
24	25	492904	1901855	11401808	18.67	1246.72	1248.13	1238.29
25	26	572004	2210005	13249608	21.30	1591.77	1592.68	1615.21
26	27	664852	2571917	15419816	24.25	2201.99	2201.31	2241.57
27	28	759924	2943085	17645608	27.37	3059.68	3070.42	3004.44
28	29	870352	3374387	20232032	29.62	to	to	to

Table 321: *or*4-pyrseqsqrt-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	172	497	2936	0.00	0.00	0.00	0.00
2	3	436	1373	8168	0.01	0.01	0.01	0.05
3	4	884	2925	17448	0.55	0.45	0.45	0.28
4	5	1824	6235	37248	2.96	2.66	2.63	5.52
5	6	3244	11345	67832	20.15	37.64	37.52	10.75
6	7	5240	18639	111504	80.67	235.54	237.82	130.77
7	8	8516	30693	183688	810.12	876.28	876.73	553.46
8	9	12100	44069	263816	1398.66	2991.68	2988.51	2018.68
9	10	17484	64225	384568	to	to		to

Table 322: *or*4-pyrseqsqrt-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	172	497	2936	0.00	0.00	0.00	0.00
2	3	436	1373	8168	0.00	0.00	0.00	0.00
3	4	884	2925	17448	0.01	0.01	0.01	0.01
4	5	1824	6235	37248	0.02	0.01	0.03	0.03
5	6	3244	11345	67832	0.04	0.06	0.06	0.03
6	7	5240	18639	111504	0.07	0.10	0.09	0.10
7	8	8516	30693	183688	0.12	0.15	0.16	0.15
8	9	12100	44069	263816	0.18	0.24	0.24	0.23
9	10	17484	64225	384568	0.26	0.36	0.35	0.34
10	11	25304	93615	560656	0.36	0.54	0.54	0.54
11	12	33700	125429	751304	0.48	0.71	0.73	0.72
12	13	45244	169265	1014008	0.68	1.03	1.07	1.06
13	14	59028	221821	1329000	0.88	1.47	1.43	1.44
14	15	75244	283865	1700888	1.17	1.98	1.97	1.95
15	16	94084	356165	2134280	1.42	2.60	2.57	2.59
16	17	118256	449043	2691040	1.83	3.43	3.46	3.41
17	18	146020	555989	3332168	2.21	4.46	4.44	4.45
18	19	177616	677963	4063424	2.77	5.64	5.59	5.56
19	20	213284	815925	4890568	3.36	7.00	6.99	6.97
20	21	257044	985325	5906216	4.01	8.76	8.77	8.75
21	22	306068	1175421	7045992	4.78	10.70	10.81	10.75
22	23	360644	1387365	8316808	5.75	13.06	13.09	13.12

23	24	425956	1641173	9838664	6.77	15.85	15.97	15.94
24	25	492904	1901855	11401808	7.94	18.77	18.76	18.75
25	26	572004	2210005	13249608	9.31	22.27	22.13	22.24
26	27	664852	2571917	15419816	10.83	26.56	26.50	26.49
27	28	759924	2943085	17645608	12.45	30.83	30.78	30.92
28	29	870352	3374387	20232032	14.33	35.94	35.88	35.73
29	30	990364	3843545	23045528	16.25	41.38	41.32	41.47
30	31	1120344	4352095	26095312	18.44	47.52	47.71	47.59
31	32	1260676	4901573	29390600	20.84	54.38	54.37	54.26
32	33	1420852	5528957	33153128	23.54	61.99	61.66	62.18
33	34	1593244	6204665	37205528	26.38	70.33	70.55	70.59
34	35	1778284	6930425	41558168	29.54	79.47	79.38	79.41
35	36	1976404	7707965	46221416	32.86	89.18	89.10	89.47
36	37	2199432	8583487	51472336	36.54	100.49	100.49	100.52
37	38	2437628	9519081	57083608	40.97	112.55	112.52	112.77
38	39	2691472	10516667	63066752	45.07	125.48	125.46	125.45
39	40	2974724	11630085	69744648	49.72	139.81	139.97	140.29
40	41	3261964	12760025	76521752	54.96	154.56	154.83	154.88
41	42	3580924	14014985	84048728	60.22	171.60	171.28	171.32
42	43	3934160	15405099	92386368	66.19	190.43	190.44	190.25
43	44	4292292	16815397	100845192	72.11	210.19	209.97	209.37
44	45	4687204	18370805	110174408	78.79	231.35	231.53	231.20
45	46	5104164	20013685	120028360	86.18	254.03	254.38	254.48
46	47	5543748	21746341	130420872	93.07	277.93	278.67	278.10
47	48	6006532	23571077	141365768	101.22	305.63	306.61	304.48
48	49	6512888	25567911	153342960	109.88	333.96	333.63	333.90
49	50	7045204	27667805	165938408	119.09	363.02	362.62	364.10

Table 323: *or*4-pyrseqsqrt-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	172	497	2936	0.02	0.00	0.00	0.00
2	3	436	1373	8168	0.09	0.01	0.03	0.08
3	4	884	2925	17448	0.63	0.34	0.45	0.11
4	5	1824	6235	37248	6.06	3.37	1.00	11.69
5	6	3244	11345	67832	11.32	6.74	50.07	29.97
6	7	5240	18639	111504	11.30	244.79	9.26	228.54
7	8	8516	30693	183688	24.38	496.23	495.84	437.60
8	9	12100	44069	263816	78.67	1258.24	1260.44	68.69
9	10	17484	64225	384568	82.06	97.74	97.77	991.55
10	11	25304	93615	560656	98.51	215.58	3184.05	179.36
11	12	33700	125429	751304	185.66	341.17	341.17	2940.74
12	13	45244	169265	1014008	251.65	391.33	391.74	3333.92
13	14	59028	221821	1329000	348.21	693.87	686.74	659.15
14	15	75244	283865	1700888	421.50	1126.95	to	to
15	16	94084	356165	2134280	1153.13	1957.18	1955.70	to
16	17	118256	449043	2691040	1104.16	2196.82	2198.92	to
17	18	146020	555989	3332168	2037.31	to	to	to

Table 324: *or*4-pyrseqsqrt-picosat

7.10 width10chain

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	156	478	2828	0.01	0.01	0.00	0.01
2	2000	80036	319998	1919948	99.75	337.00	332.63	237.71
3	4000	160036	639998	3839948	125.52	1257.44	1254.94	997.05
4	6000	240036	959998	5759948	636.07	3084.57	3036.74	2636.34
5	8000	320036	1279998	7679948	432.72	to	to	to

Table 325: *or*4-width10chain-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	156	478	2828	0.00	0.00	0.00	0.00
2	2000	80036	319998	1919948	mo		mo	to

Table 326: *or*4-width10chain-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	156	478	2828	0.00	0.00	0.00	0.00
2	2000	80036	319998	1919948	1.31	2.17	2.13	2.17
3	4000	160036	639998	3839948	3.01	5.29	5.27	5.31
4	6000	240036	959998	5759948	4.95	9.21	8.95	8.92
5	8000	320036	1279998	7679948	7.33	13.08	13.12	13.08
6	10000	400036	1599998	9599948	10.14	17.70	17.66	17.71
7	12000	480036	1919998	11519948	13.19	22.67	22.54	22.60
8	14000	560036	2239998	13439948	16.65	27.99	27.98	27.96
9	16000	640036	2559998	15359948	20.38	33.53	33.57	33.64
10	18000	720036	2879998	17279948	24.53	39.88	39.75	39.71
11	20000	800036	3199998	19199948	28.84	46.25	46.21	46.15
12	22000	880036	3519998	21119948	33.57	53.04	53.00	53.14
13	24000	960036	3839998	23039948	38.74	60.21	60.17	60.21
14	26000	1040036	4159998	24959948	44.39	67.79	68.03	67.75
15	28000	1120036	4479998	26879948	50.07	75.67	75.73	75.71
16	30000	1200036	4799998	28799948	56.43	83.97	84.04	84.14
17	32000	1280036	5119998	30719948	62.93	92.72	92.72	92.85
18	34000	1360036	5439998	32639948	69.74	101.67	101.79	101.75
19	36000	1440036	5759998	34559948	77.03	110.91	110.88	111.07
20	38000	1520036	6079998	36479948	84.70	120.61	120.61	120.67
21	40000	1600036	6399998	38399948	92.30	130.89	130.90	131.00
22	42000	1680036	6719998	40319948	100.76	141.27	141.48	141.39
23	44000	1760036	7039998	42239948	109.24	152.33	152.04	152.27
24	46000	1840036	7359998	44159948	118.30	162.89	163.13	163.14
25	48000	1920036	7679998	46079948	127.64	174.87	174.75	174.71
26	50000	2000036	7999998	47999948	137.26	186.46	186.21	186.64
27	52000	2080036	8319998	49919948	147.26	198.63	198.61	198.82
28	54000	2160036	8639998	51839948	157.50	211.47	211.55	211.32
29	56000	2240036	8959998	53759948	168.55	224.47	224.36	224.26
30	58000	2320036	9279998	55679948	179.10	237.60	237.86	237.34
31	60000	2400036	9599998	57599948	190.44	251.19	251.26	251.28
32	62000	2480036	9919998	59519948	202.24	265.24	265.46	265.29
33	64000	2560036	10239998	61439948	214.41	279.31	279.51	279.35
34	66000	2640036	10559998	63359948	226.57	294.15	294.44	294.36
35	68000	2720036	10879998	65279948	239.39	309.00	309.09	309.49
36	70000	2800036	11199998	67199948	252.54	324.28	324.31	324.55
37	72000	2880036	11519998	69119948	265.93	340.48	340.40	340.35
38	74000	2960036	11839998	71039948	279.54	356.77	356.04	356.19
39	76000	3040036	12159998	72959948	293.53	372.64	373.69	372.46
40	78000	3120036	12479998	74879948	308.34	390.59	390.53	389.65
41	80000	3200036	12799998	76799948	323.13	406.94	407.94	405.85
42	82000	3280036	13119998	78719948	342.08	426.67	424.29	424.99
43	84000	3360036	13439998	80639948	353.90	443.28	444.18	443.70
44	86000	3440036	13759998	82559948	369.93	460.45	461.56	461.76
45	88000	3520036	14079998	84479948	385.99	478.67	480.54	481.17
46	90000	3600036	14399998	86399948	402.47	499.15	498.64	501.04
47	92000	3680036	14719998	88319948	418.82	518.46	521.23	519.61
48	94000	3760036	15039998	90239948	436.81	537.60	538.08	539.01
49	96000	3840036	15359998	92159948	453.66	558.34	559.56	559.51
50	98000	3920036	15679998	94079948	471.89	580.09	583.16	579.27
51	100000	4000036	15999998	95999948	490.96	601.96	600.88	601.57

Table 327: *or*4-width10chain-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	156	478	2828	0.00	0.00	0.00	0.01
2	2000	80036	319998	1919948	to		to	to

Table 328: *or*4-width10chain-picosat

7.11 width2chain

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	28	86	492	0.00	0.00	0.00	0.00
2	10000	80004	319990	1919916	1307.49	992.07	988.49	794.09
3	20000	160004	639990	3839916	3176.58	3321.57	3323.53	3538.54
4	30000	240004	959990	5759916		mo	mo	mo

Table 329: *or*4-width2chain-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	28	86	492	0.00	0.00	0.00	0.00
2	10000	80004	319990	1919916	2975.18	to	to	to

Table 330: *or*4-width2chain-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	28	86	492	0.00	0.00	0.00	0.00
2	10000	80004	319990	1919916	1.95	2.81	2.87	2.85
3	20000	160004	639990	3839916	5.67	8.03	8.17	8.00
4	30000	240004	959990	5759916	11.14	15.01	15.16	15.20
5	40000	320004	1279990	7679916	18.31	24.06	24.04	23.99
6	50000	400004	1599990	9599916	27.32	34.92	35.23	34.75
7	60000	480004	1919990	11519916	37.86	47.50	47.39	47.36
8	70000	560004	2239990	13439916	50.15	61.68	61.50	62.02
9	80000	640004	2559990	15359916	64.62	78.11	78.28	78.77
10	90000	720004	2879990	17279916	82.65	97.57	97.28	95.30
11	100000	800004	3199990	19199916	97.99	115.80	115.67	114.89
12	110000	880004	3519990	21119916	117.52	136.56	136.56	136.37
13	120000	960004	3839990	23039916	138.40	160.22	159.38	160.78
14	130000	1040004	4159990	24959916	160.86	185.65	188.04	184.95
15	140000	1120004	4479990	26879916	185.28	212.53	212.71	210.94
16	150000	1200004	4799990	28799916	212.27	239.76	239.23	238.79
17	160000	1280004	5119990	30719916	238.96	269.77	268.73	269.14
18	170000	1360004	5439990	32639916	269.01	301.10	300.84	301.15
19	180000	1440004	5759990	34559916	299.35	333.41	333.61	335.31
20	190000	1520004	6079990	36479916	333.58	368.43	368.58	369.96
21	200000	1600004	6399990	38399916	367.19	405.95	405.51	405.46
22	210000	1680004	6719990	40319916	403.74	444.30	444.15	444.45
23	220000	1760004	7039990	42239916	441.98	484.47	484.62	485.09
24	230000	1840004	7359990	44159916	481.92	526.51	526.37	526.78
25	240000	1920004	7679990	46079916	523.69	570.47	570.71	571.92
26	250000	2000004	7999990	47999916	566.93	616.02	616.51	615.90
27	260000	2080004	8319990	49919916	612.13	664.98	664.27	662.80
28	270000	2160004	8639990	51839916	658.96	712.77	713.03	713.89
29	280000	2240004	8959990	53759916	707.11	763.02	764.96	763.22
30	290000	2320004	9279990	55679916	757.72	816.19	817.76	816.48
31	300000	2400004	9599990	57599916	809.86	870.24	870.40	870.14
32	310000	2480004	9919990	59519916	863.54	927.78	926.22	927.18
33	320000	2560004	10239990	61439916	920.00	985.92	983.81	984.27
34	330000	2640004	10559990	63359916	978.18	1043.95	1043.45	1044.18
35	340000	2720004	10879990	65279916	1035.36	1104.64	1104.20	1106.44

36	350000	2800004	11199990	67199916	1096.10	1169.46	1168.50	1168.35
37	360000	2880004	11519990	69119916	1160.50	1231.26	1231.89	1235.91
38	370000	2960004	11839990	71039916	1221.60	1301.02	1299.71	1298.34
39	380000	3040004	12159990	72959916	1287.49	1368.19	1369.00	1372.59
40	390000	3120004	12479990	74879916	1355.03	1437.24	1440.49	1441.17
41	400000	3200004	12799990	76799916	1432.57	1508.16	1511.21	1508.59
42	410000	3280004	13119990	78719916	1496.37	1588.73	1584.26	1584.85
43	420000	3360004	13439990	80639916	1572.46	1660.89	1660.75	1660.82
44	430000	3440004	13759990	82559916	1642.02	1737.06	1733.67	1737.09
45	440000	3520004	14079990	84479916	1723.28	1817.44	1819.57	1816.96
46	450000	3600004	14399990	86399916	1797.15	1899.68	1892.34	1898.68
47	460000	3680004	14719990	88319916	1875.34	1983.69	1984.08	1981.66
48	470000	3760004	15039990	90239916	1965.33	2067.01	2063.15	2061.09
49	480000	3840004	15359990	92159916	2039.47	2156.61	2150.72	2145.92
50	490000	3920004	15679990	94079916	2124.44	2251.04	2236.89	2241.74
51	500000	4000004	15999990	95999916	2210.63	2337.51	2333.15	2327.06

Table 331: *or*4-width2chain-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	28	86	492	0.00	0.00	0.00	0.00
2	10000	80004	319990	1919916	2522.63	to	to	to

Table 332: *or*4-width2chain-picosat

7.12 width5chain

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	76	233	1368	0.00	0.00	0.00	0.00
2	4000	80016	319993	1919928	171.94	409.08	407.92	491.53
3	8000	160016	639993	3839928	113.39	2135.37	2143.53	1354.75
4	12000	240016	959993	5759928		to	to	to

Table 333: *or*4-width5chain-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	76	233	1368	0.00	0.00	0.00	0.00
2	4000	80016	319993	1919928	mo	mo		mo

Table 334: *or*4-width5chain-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	76	233	1368	0.00	0.00	0.00	0.00
2	4000	80016	319993	1919928	1.48	2.37	2.34	2.33
3	8000	160016	639993	3839928	3.72	5.97	5.94	6.00
4	12000	240016	959993	5759928	6.56	10.40	10.45	10.44
5	16000	320016	1279993	7679928	10.15	15.75	15.92	15.85
6	20000	400016	1599993	9599928	14.45	21.87	21.97	21.98
7	24000	480016	1919993	11519928	19.47	28.79	28.93	28.69
8	28000	560016	2239993	13439928	25.60	36.42	36.45	36.21
9	32000	640016	2559993	15359928	31.82	44.66	44.66	44.74
10	36000	720016	2879993	17279928	38.81	53.73	53.67	53.61
11	40000	800016	3199993	19199928	46.60	63.44	63.37	63.21
12	44000	880016	3519993	21119928	55.72	73.86	73.66	73.81
13	48000	960016	3839993	23039928	64.32	84.89	84.82	84.99
14	52000	1040016	4159993	24959928	74.64	96.81	96.88	96.89
15	56000	1120016	4479993	26879928	85.14	109.45	109.42	109.56

16	60000	1200016	4799993	28799928	96.23	123.25	123.52	122.69
17	64000	1280016	5119993	30719928	108.01	138.44	137.13	136.62
18	68000	1360016	5439993	32639928	120.98	154.03	154.71	152.29
19	72000	1440016	5759993	34559928	134.81	169.17	168.38	171.53
20	76000	1520016	6079993	36479928	151.47	187.78	182.95	186.43
21	80000	1600016	6399993	38399928	165.58	200.90	203.32	202.09
22	84000	1680016	6719993	40319928	179.37	218.76	218.62	221.83
23	88000	1760016	7039993	42239928	197.45	238.10	242.09	235.95
24	92000	1840016	7359993	44159928	215.22	255.86	256.19	256.62
25	96000	1920016	7679993	46079928	229.80	274.50	275.61	275.69
26	100000	2000016	7999993	47999928	247.95	294.93	294.64	296.19
27	104000	2080016	8319993	49919928	263.98	315.13	315.60	316.18
28	108000	2160016	8639993	51839928	283.46	337.18	336.39	336.23
29	112000	2240016	8959993	53759928	303.53	359.32	359.45	358.49
30	116000	2320016	9279993	55679928	324.00	381.82	381.80	381.85
31	120000	2400016	9599993	57599928	345.24	406.51	406.76	407.07
32	124000	2480016	9919993	59519928	368.10	431.80	430.95	430.60
33	128000	2560016	10239993	61439928	391.00	455.50	454.76	454.71
34	132000	2640016	10559993	63359928	414.62	481.16	480.99	481.65
35	136000	2720016	10879993	65279928	438.41	508.06	507.69	507.56
36	140000	2800016	11199993	67199928	463.21	535.64	534.59	535.76
37	144000	2880016	11519993	69119928	491.85	562.36	565.19	563.78
38	148000	2960016	11839993	71039928	515.98	593.62	591.88	593.68
39	152000	3040016	12159993	72959928	542.88	622.21	623.76	621.36
40	156000	3120016	12479993	74879928	570.45	650.83	652.45	650.82
41	160000	3200016	12799993	76799928	601.07	682.48	682.72	683.75
42	164000	3280016	13119993	78719928	628.39	716.01	714.75	713.94
43	168000	3360016	13439993	80639928	657.16	748.53	747.82	748.82
44	172000	3440016	13759993	82559928	689.13	780.03	783.18	781.12
45	176000	3520016	14079993	84479928	721.42	813.55	813.35	813.14
46	180000	3600016	14399993	86399928	754.43	847.32	847.31	849.68
47	184000	3680016	14719993	88319928	784.50	885.06	886.96	886.38
48	188000	3760016	15039993	90239928	816.85	924.62	920.87	918.60
49	192000	3840016	15359993	92159928	858.62	957.89	958.56	955.57
50	196000	3920016	15679993	94079928	885.20	992.58	997.71	995.61
51	200000	4000016	15999993	95999928	920.48	1034.90	1034.11	1032.07

Table 335: *or*4-width5chain-minisatsimp

♯	**par**	**vars**	**clauses**	**literals**	**C**	**R1**	**R2**	**R3**
1	3	76	233	1368	0.00	0.00	0.00	0.00
2	4000	80016	319993	1919928	to	to		to

Table 336: *or*4-width5chain-picosat

8 s_{id}

8.1 bintree

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	9	14	60	0.00	0.00	0.00	0.00
2	2	21	34	164	0.00	0.00	0.00	0.00
3	3	45	74	372	0.00	0.00	0.00	0.00
4	4	93	154	788	0.00	0.00	0.00	0.00
5	5	189	314	1620	0.00	0.00	0.00	0.00
6	6	381	634	3284	0.00	0.00	0.00	0.00
7	7	765	1274	6612	0.01	0.01	0.01	0.01
8	8	1533	2554	13268	0.02	0.03	0.03	0.03
9	9	3069	5114	26580	0.05	0.07	0.07	0.07
10	10	6141	10234	53204	0.12	0.14	0.14	0.14
11	11	12285	20474	106452	0.26	0.29	0.29	0.28
12	12	24573	40954	212948	0.51	0.60	0.60	0.58
13	13	49149	81914	425940	1.07	1.23	1.26	1.26
14	14	98301	163834	851924	2.37	2.92	2.92	2.91
15	15	196605	327674	1703892	4.75	6.16	6.17	6.15
16	16	393213	655354	3407828	9.30	12.52	12.50	12.49
17	17	786429	1310714	6815700	16.30	23.78	23.80	23.84
18	18	1572861	2621434	13631444	28.80	48.92	48.97	49.02
19	19	3145725	5242874	27262932	66.89	103.53	103.58	103.40
20	20	6291453	10485754	54525908	144.80	218.56	219.37	217.78

Table 337: s_{id}-bintree-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	9	14	60	0.00	0.00	0.00	0.00
2	2	21	34	164	0.00	0.00	0.00	0.00
3	3	45	74	372	0.00	0.00	0.00	0.00
4	4	93	154	788	0.00	0.00	0.00	0.00
5	5	189	314	1620	0.00	0.00	0.00	0.00
6	6	381	634	3284	0.00	0.00	0.00	0.00
7	7	765	1274	6612	0.00	0.01	0.00	0.01
8	8	1533	2554	13268	0.01	0.02	0.03	0.03
9	9	3069	5114	26580	0.05	0.09	0.07	0.08
10	10	6141	10234	53204	0.17	0.27	0.27	0.28
11	11	12285	20474	106452	0.61	1.14	1.16	1.09
12	12	24573	40954	212948	2.50	4.18	4.15	4.16
13	13	49149	81914	425940	8.75	17.60	17.61	17.77
14	14	98301	163834	851924	39.66	90.62	94.80	88.68
15	15	196605	327674	1703892	205.65	449.96	455.74	436.76
16	16	393213	655354	3407828	977.93	2242.01	2262.33	2290.78
17	17	786429	1310714	6815700		to	to	to

Table 338: s_{id}-bintree-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	9	14	60	0.00	0.00	0.00	0.00
2	2	21	34	164	0.00	0.00	0.00	0.00
3	3	45	74	372	0.00	0.00	0.00	0.00
4	4	93	154	788	0.00	0.00	0.00	0.00
5	5	189	314	1620	0.00	0.00	0.00	0.00
6	6	381	634	3284	0.00	0.00	0.00	0.00
7	7	765	1274	6612	0.00	0.00	0.00	0.00
8	8	1533	2554	13268	0.00	0.00	0.00	0.00
9	9	3069	5114	26580	0.00	0.00	0.01	0.00

10	10	6141	10234	53204	0.00	0.02	0.02	0.02
11	11	12285	20474	106452	0.01	0.04	0.05	0.04
12	12	24573	40954	212948	0.04	0.12	0.11	0.11
13	13	49149	81914	425940	0.11	0.25	0.27	0.27
14	14	98301	163834	851924	0.24	0.71	0.73	0.70
15	15	196605	327674	1703892	0.48	1.71	1.72	1.71
16	16	393213	655354	3407828	1.00	4.00	3.97	4.01
17	17	786429	1310714	6815700	1.96	9.06	9.02	8.93
18	18	1572861	2621434	13631444	3.84	19.83	19.83	19.81
19	19	3145725	5242874	27262932	7.74	43.22	43.07	42.93
20	20	6291453	10485754	54525908	15.47	93.56	93.44	93.78

Table 339: s_{id}-bintree-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	9	14	60	0.00	0.00	0.00	0.00
2	2	21	34	164	0.00	0.00	0.00	0.00
3	3	45	74	372	0.00	0.00	0.00	0.00
4	4	93	154	788	0.00	0.00	0.00	0.00
5	5	189	314	1620	0.00	0.00	0.00	0.00
6	6	381	634	3284	0.00	0.00	0.00	0.00
7	7	765	1274	6612	0.01	0.01	0.01	0.01
8	8	1533	2554	13268	0.03	0.05	0.05	0.05
9	9	3069	5114	26580	0.13	0.20	0.17	0.19
10	10	6141	10234	53204	0.39	0.74	0.74	0.88
11	11	12285	20474	106452	1.02	3.47	3.31	3.91
12	12	24573	40954	212948	3.37	15.08	14.93	15.80
13	13	49149	81914	425940	14.49	77.35	76.96	75.05
14	14	98301	163834	851924	52.54	371.98	373.14	368.47
15	15	196605	327674	1703892	193.24	1640.99	1651.04	1642.80
16	16	393213	655354	3407828		to	to	to

Table 340: s_{id}-bintree-picosat

8.2 gtb

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	63	146	836	0.00	0.00	0.00	0.00
2	6	132	318	1852	0.01	0.01	0.01	0.01
3	8	237	586	3444	0.01	0.02	0.02	0.02
4	10	414	1046	6188	0.04	0.07	0.07	0.06
5	12	465	1170	6916	0.04	0.06	0.06	0.05
6	16	789	2010	11924	0.05	0.06	0.06	0.06
7	20	1281	3298	19620	0.15	0.20	0.21	0.21
8	24	1473	3786	22516	0.15	0.18	0.18	0.19
9	32	2397	6202	36948	0.14	0.18	0.19	0.19
10	40	3705	9642	57524	0.45	0.62	0.63	0.63
11	48	4317	11226	66964	0.43	0.52	0.51	0.52
12	64	6813	17786	106196	0.42	0.57	0.57	0.56
13	80	10173	26650	159252	1.23	1.67	1.69	1.70
14	96	11949	31290	186964	1.19	1.44	1.47	1.46
15	128	18429	48378	289236	1.15	1.57	1.57	1.58
16	160	26829	70586	422228	3.22	4.39	4.40	4.47
17	192	31677	83322	498388	3.13	3.79	3.81	3.86
18	256	47997	126458	756692	3.10	4.39	4.43	4.55
19	320	68541	180858	1082580	8.51	11.65	11.58	11.41
20	384	81213	214266	1282516	8.35	10.54	10.76	10.43
21	512	121341	320506	1918932	8.06	13.31	13.23	13.24
22	640	170685	451322	2702804	20.94	28.91	28.57	28.68
23	768	202749	536058	3210196	19.84	26.38	26.31	546.71

24	1000	297921	788458	4722740	25.22	34.79	34.88	35.01
25	1024	299517	792570	4747220	18.49	32.68	32.65	31.17
26	1250	414504	1097846	6577068	57.48	to	to	to

Table 341: s_{id}-gtb-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	63	146	836	0.00	0.00	0.00	0.00
2	6	132	318	1852	0.01	0.01	0.01	0.01
3	8	237	586	3444	0.02	0.02	0.02	0.02
4	10	414	1046	6188	0.07	0.07	0.07	0.09
5	12	465	1170	6916	0.04	0.06	0.06	0.08
6	16	789	2010	11924	0.11	0.12	0.12	0.10
7	20	1281	3298	19620	0.33	0.33	0.32	0.53
8	24	1473	3786	22516	0.20	0.25	0.25	0.24
9	32	2397	6202	36948	0.50	0.52	0.53	0.51
10	40	3705	9642	57524	1.40	1.52	1.52	1.46
11	48	4317	11226	66964	0.92	0.89	0.89	0.89
12	64	6813	17786	106196	2.09	1.97	1.96	1.78
13	80	10173	26650	159252	4.74	4.99	4.94	4.44
14	96	11949	31290	186964	4.60	4.75	4.84	4.49
15	128	18429	48378	289236	7.16	8.10	8.18	7.79
16	160	26829	70586	422228	18.10	23.71	23.70	19.39
17	192	31677	83322	498388	21.74	18.63	18.71	19.45
18	256	47997	126458	756692	43.65	44.33	43.85	51.28
19	320	68541	180858	1082580	92.34	97.25	97.95	113.96
20	384	81213	214266	1282516	111.87	120.23	118.69	110.16
21	512	121341	320506	1918932	398.74	386.82	385.23	300.43
22	640	170685	451322	2702804	893.40	749.41	673.24	1018.96
23	768	202749	536058	3210196	1114.16	1420.16	1415.17	1428.93
24	1000	297921	788458	4722740	to	to	to	2822.86

Table 342: s_{id}-gtb-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	63	146	836	0.00	0.00	0.00	0.00
2	6	132	318	1852	0.00	0.00	0.00	0.00
3	8	237	586	3444	0.00	0.00	0.00	0.00
4	10	414	1046	6188	0.00	0.00	0.00	0.00
5	12	465	1170	6916	0.00	0.00	0.00	0.00
6	16	789	2010	11924	0.00	0.00	0.00	0.00
7	20	1281	3298	19620	0.00	0.00	0.00	0.00
8	24	1473	3786	22516	0.00	0.00	0.00	0.00
9	32	2397	6202	36948	0.00	0.00	0.01	0.00
10	40	3705	9642	57524	0.00	0.01	0.02	0.02
11	48	4317	11226	66964	0.01	0.01	0.02	0.02
12	64	6813	17786	106196	0.01	0.04	0.04	0.03
13	80	10173	26650	159252	0.03	0.05	0.06	0.05
14	96	11949	31290	186964	0.04	0.06	0.07	0.06
15	128	18429	48378	289236	0.06	0.11	0.12	0.12
16	160	26829	70586	422228	0.09	0.18	0.19	0.18
17	192	31677	83322	498388	0.11	0.22	0.21	0.22
18	256	47997	126458	756692	0.17	0.36	0.40	0.41
19	320	68541	180858	1082580	0.28	0.63	0.61	0.62
20	384	81213	214266	1282516	0.33	0.73	0.75	0.76
21	512	121341	320506	1918932	0.48	1.27	1.27	1.26
22	640	170685	451322	2702804	0.74	2.07	1.89	1.88
23	768	202749	536058	3210196	0.83	2.38	2.34	2.35
24	1000	297921	788458	4722740	1.29	3.83	3.84	3.81
25	1024	299517	792570	4747220	1.23	3.87	3.86	3.83

26	1250	414504	1097846	6577068	1.74	5.71	5.67	5.65
27	1280	416253	1102330	6603732	1.76	5.71	5.69	5.67
28	1500	491829	1302546	7803268	1.99	6.92	6.95	6.94
29	1536	495357	1311738	7858132	2.06	7.08	7.01	7.03
30	1750	660480	1750782	10490684	2.79	9.77	9.88	9.83
31	2000	720381	1909018	11438100	3.03	10.93	10.87	10.88
32	2048	724989	1921018	11509716	3.05	10.99	10.98	11.02
33	2250	932196	2472358	14816140	3.93	14.53	14.51	14.57
34	2500	992505	2631682	15770084	4.09	15.59	15.64	15.52
35	2560	997629	2644986	15849428	4.27	15.83	15.78	15.71
36	2750	1118940	2967342	17782044	4.67	17.81	17.91	17.92
37	3000	1179249	3126666	18735988	4.98	19.01	19.00	19.02
38	3072	1188861	3151866	18886612	4.93	19.12	19.20	19.29
39	3250	1506264	3997206	23957228	6.44	25.11	25.21	25.33
40	3500	1566165	4155442	24904644	6.75	26.30	26.39	26.27
41	3750	1654944	4390686	26314108	7.03	28.00	28.05	28.08
42	4000	1713837	4546234	27245396	7.05	29.08	28.99	29.20
43	4096	1726461	4579322	27443156	7.34	29.48	29.56	29.54
44	4250	2133012	5662534	33941196	9.08	36.67	36.72	36.99
45	4500	2193321	5821858	34895140	9.22	38.13	38.08	38.07
46	4750	2281692	6056014	36298076	9.72	39.79	39.84	39.85
47	5000	2342001	6215338	37252020	9.99	41.25	40.90	41.04
48	5120	2356221	6252538	37474260	10.16	41.35	41.31	41.24
49	5250	2586072	6864694	41146156	11.09	45.63	45.70	45.64
50	5500	2636997	6998994	41949956	11.20	46.83	46.80	46.62
51	5750	2725776	7234238	43359420	11.54	48.63	48.56	48.50
52	6000	2785677	7392474	44306836	11.81	49.65	49.51	49.43
53	6144	2810877	7458810	44703700	12.26	49.91	50.61	50.25
54	6250	3456756	9180518	55033100	14.68	63.04	63.06	63.04
55	6500	3517065	9339842	55987044	15.11	64.73	64.40	64.42
56	6750	3604428	9571310	57373852	15.41	66.05	66.23	66.25
57	7000	3664737	9730634	58327796	15.91	67.32	67.60	67.34
58	7250	3816648	10134230	60747372	16.37	70.61	70.64	70.59
59	7500	3876549	10292466	61694788	16.53	71.85	71.72	71.82
60	7750	3965328	10527710	63104252	17.05	73.47	73.57	73.66
61	8000	4021821	10676858	63997140	17.35	74.78	74.93	74.99
62	8192	4055037	10764282	64520148	17.73	75.48	75.54	75.45

Table 343: s_{id}-gtb-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	63	146	836	0.00	0.00	0.01	0.00
2	6	132	318	1852	0.01	0.02	0.02	0.01
3	8	237	586	3444	0.12	0.17	0.15	0.04
4	10	414	1046	6188	0.37	0.18	0.31	0.29
5	12	465	1170	6916	1.83	0.15	0.40	0.28
6	16	789	2010	11924	9.74	0.22	0.22	0.32
7	20	1281	3298	19620	250.91	1.01	0.95	1.43
8	24	1473	3786	22516	to	0.73	0.73	0.87
9	32	2397	6202	36948	417.66	2.19	1.06	1.57
10	40	3705	9642	57524	to	4.44	3.38	6.25
11	48	4317	11226	66964	to	4.82	3.15	1.95
12	64	6813	17786	106196	to	5.83	8.04	5.30
13	80	10173	26650	159252	to	19.02	18.92	16.93
14	96	11949	31290	186964	to	19.35	14.49	20.52
15	128	18429	48378	289236	to	40.66	41.45	47.64
16	160	26829	70586	422228	to	76.08	75.93	109.57
17	192	31677	83322	498388	to	95.47	120.96	108.86
18	256	47997	126458	756692	to	241.47	282.77	233.91
19	320	68541	180858	1082580	to	688.14	688.27	538.40
20	384	81213	214266	1282516	to	829.04	699.25	683.55

21	512	121341	320506	1918932	to	2156.25	1753.13	1673.39
22	640	170685	451322	2702804	to	to	to	

Table 344: s_{id}-gtb-picosat

8.3 pyr10seq

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	783	1844	10728	0.04	0.05	0.05	0.05
2	250	48753	115004	670008	3.55	3.65	3.65	3.63
3	500	97503	230004	1340008	7.35	7.93	7.86	7.91
4	750	146253	345004	2010008	11.06	12.40	12.35	12.26
5	1000	195003	460004	2680008	14.45	16.49	16.51	16.33
6	1250	243753	575004	3350008	17.48	20.40	20.37	20.59
7	1500	292503	690004	4020008	20.61	24.44	24.35	24.53
8	1750	341253	805004	4690008	23.86	28.11	28.20	28.11
9	2000	390003	920004	5360008	26.80	31.83	31.84	32.29
10	2250	438753	1035004	6030008	29.59	35.55	35.69	35.81
11	2500	487503	1150004	6700008	32.35	39.78	39.66	39.79
12	2750	536253	1265004	7370008	35.38	43.51	43.49	43.62
13	3000	585003	1380004	8040008	38.16	47.34	47.29	47.16
14	3250	633753	1495004	8710008	40.43	49.70	49.60	49.55
15	3500	682503	1610004	9380008	43.55	53.50	53.45	53.44
16	3750	731253	1725004	10050008	46.29	56.51	56.44	57.02
17	4000	780003	1840004	10720008	48.97	59.60	59.53	60.25
18	4250	828753	1955004	11390008	51.77	64.08	63.97	64.00
19	4500	877503	2070004	12060008	54.59	66.97	67.05	66.94
20	4750	926253	2185004	12730008	57.43	70.63	70.56	70.79
21	5000	975003	2300004	13400008	59.75	74.39	74.59	74.32
22	5250	1023753	2415004	14070008	62.80	77.99	78.10	77.93
23	5500	1072503	2530004	14740008	65.80	81.04	80.99	81.67
24	5750	1121253	2645004	15410008	68.27	84.65	84.77	85.19
25	6000	1170003	2760004	16080008	71.36	88.30	88.40	88.20
26	6250	1218753	2875004	16750008	73.84	91.74	92.01	92.27
27	6500	1267503	2990004	17420008	76.88	94.38	94.61	95.48
28	6750	1316253	3105004	18090008	79.73	99.11	98.68	99.64
29	7000	1365003	3220004	18760008	82.83	101.63	101.53	102.46
30	7250	1413753	3335004	19430008	85.29	105.60	105.26	106.10
31	7500	1462503	3450004	20100008	88.29	108.51	108.62	108.82
32	7750	1511253	3565004	20770008	90.53	111.13	111.80	112.48
33	8000	1560003	3680004	21440008	93.70	114.52	114.54	115.19
34	8250	1608753	3795004	22110008	96.84	119.50	119.32	118.78
35	8500	1657503	3910004	22780008	99.51	123.18	123.15	122.96
36	8750	1706253	4025004	23450008	102.17	127.14	126.83	126.05
37	9000	1755003	4140004	24120008	104.90	128.97	129.02	129.20
38	9250	1803753	4255004	24790008	107.76	135.01	134.48	134.49
39	9500	1852503	4370004	25460008	110.31	137.35	137.24	137.05
40	9750	1901253	4485004	26130008	113.28	139.24	139.06	142.04
41	10000	1950003	4600004	26800008	116.21	142.60	142.93	141.99
42	10250	1998753	4715004	27470008	118.67	144.74	143.22	148.70
43	10500	2047503	4830004	28140008	121.34	147.78	148.06	150.40
44	10750	2096253	4945004	28810008	124.37	154.35	154.19	152.19
45	11000	2145003	5060004	29480008	127.16	156.79	156.74	157.10
46	11250	2193753	5175004	30150008	130.01	158.80	158.70	162.95
47	11500	2242503	5290004	30820008	132.90	165.64	165.35	162.46
48	11750	2291253	5405004	31490008	135.46	169.41	168.65	164.66
49	12000	2340003	5520004	32160008	138.54	170.27	170.45	166.75
50	12250	2388753	5635004	32830008	141.09	171.65	171.42	174.47
51	12500	2437503	5750004	33500008	144.00	173.05	172.77	178.87
52	12750	2486253	5865004	34170008	146.74	181.31	182.05	183.66
53	13000	2535003	5980004	34840008	149.88	185.48	185.79	186.16

54	13250	2583753	6095004	35510008	152.59	188.15	188.83	187.74
55	13500	2632503	6210004	36180008	155.22	190.46	190.69	193.94
56	13750	2681253	6325004	36850008	157.80	193.99	193.71	201.53
57	14000	2730003	6440004	37520008	161.27	198.60	198.61	229.03
58	14250	2778753	6555004	38190008	163.85	212.58	212.80	276.87
59	14500	2827503	6670004	38860008	166.95	281.82	281.77	274.51
60	14750	2876253	6785004	39530008	169.29	274.04	273.85	203.70
61	15000	2925003	6900004	40200008	171.94	247.70	247.92	219.96

Table 345: s_{id}-pyr10seq-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	783	1844	10728	0.04	0.07	0.07	0.07
2	250	48753	115004	670008	29.89	42.24	42.45	42.99
3	500	97503	230004	1340008	125.62	258.68	259.09	232.52
4	750	146253	345004	2010008	276.62	582.50	580.09	674.02
5	1000	195003	460004	2680008	640.61	1133.29	1143.94	1268.73
6	1250	243753	575004	3350008	1037.88	2004.00	2023.57	2075.91
7	1500	292503	690004	4020008	1531.78	2864.78	2856.52	2724.40
8	1750	341253	805004	4690008		to	to	to

Table 346: s_{id}-pyr10seq-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	783	1844	10728	0.00	0.00	0.00	0.00
2	250	48753	115004	670008	0.16	0.41	0.41	0.40
3	500	97503	230004	1340008	0.34	1.04	1.01	1.07
4	750	146253	345004	2010008	0.49	1.66	1.72	1.76
5	1000	195003	460004	2680008	0.70	2.49	2.49	2.47
6	1250	243753	575004	3350008	0.86	3.26	3.22	3.27
7	1500	292503	690004	4020008	1.01	4.10	4.11	4.07
8	1750	341253	805004	4690008	1.17	4.91	4.87	4.93
9	2000	390003	920004	5360008	1.35	5.73	5.73	5.75
10	2250	438753	1035004	6030008	1.58	6.68	6.58	6.62
11	2500	487503	1150004	6700008	1.73	7.57	7.46	7.53
12	2750	536253	1265004	7370008	1.91	8.39	8.41	8.40
13	3000	585003	1380004	8040008	2.07	9.28	9.30	9.26
14	3250	633753	1495004	8710008	2.36	10.22	10.24	10.12
15	3500	682503	1610004	9380008	2.47	11.25	11.07	11.11
16	3750	731253	1725004	10050008	2.63	12.10	12.04	12.09
17	4000	780003	1840004	10720008	2.81	12.98	13.02	13.00
18	4250	828753	1955004	11390008	3.04	13.95	13.92	13.89
19	4500	877503	2070004	12060008	3.14	14.83	14.80	14.85
20	4750	926253	2185004	12730008	3.35	15.85	15.82	15.82
21	5000	975003	2300004	13400008	3.52	16.80	16.74	16.83
22	5250	1023753	2415004	14070008	3.63	17.76	17.64	17.77
23	5500	1072503	2530004	14740008	3.87	18.75	18.61	18.63
24	5750	1121253	2645004	15410008	4.14	19.60	19.75	19.58
25	6000	1170003	2760004	16080008	4.18	20.62	20.70	20.59
26	6250	1218753	2875004	16750008	4.50	21.63	21.71	21.69
27	6500	1267503	2990004	17420008	4.63	22.56	22.51	22.51
28	6750	1316253	3105004	18090008	4.76	23.60	23.60	23.61
29	7000	1365003	3220004	18760008	4.99	24.71	24.60	24.54
30	7250	1413753	3335004	19430008	5.27	25.68	25.87	25.49
31	7500	1462503	3450004	20100008	5.36	26.66	26.58	26.51
32	7750	1511253	3565004	20770008	5.51	27.82	27.58	27.56
33	8000	1560003	3680004	21440008	5.70	28.67	28.68	28.72
34	8250	1608753	3795004	22110008	5.84	29.87	29.77	29.67
35	8500	1657503	3910004	22780008	6.01	30.79	30.71	30.80
36	8750	1706253	4025004	23450008	6.23	31.67	31.74	31.81

37	9000	1755003	4140004	24120008	6.52	32.74	32.74	32.52
38	9250	1803753	4255004	24790008	6.66	33.73	33.94	33.72
39	9500	1852503	4370004	25460008	6.84	34.83	34.89	35.00
40	9750	1901253	4485004	26130008	7.02	36.03	35.83	35.92
41	10000	1950003	4600004	26800008	7.18	36.97	36.80	36.85
42	10250	1998753	4715004	27470008	7.46	37.98	37.96	37.82
43	10500	2047503	4830004	28140008	7.50	38.99	38.97	38.94
44	10750	2096253	4945004	28810008	7.67	39.96	39.89	39.91
45	11000	2145003	5060004	29480008	7.86	40.97	41.12	40.96
46	11250	2193753	5175004	30150008	8.04	42.06	42.13	42.07
47	11500	2242503	5290004	30820008	8.29	43.07	43.12	43.08
48	11750	2291253	5405004	31490008	8.52	44.24	44.24	44.16
49	12000	2340003	5520004	32160008	8.59	45.18	45.11	45.36
50	12250	2388753	5635004	32830008	8.81	46.18	46.30	46.30
51	12500	2437503	5750004	33500008	8.99	47.51	47.29	47.21
52	12750	2486253	5865004	34170008	9.15	48.27	48.34	48.63
53	13000	2535003	5980004	34840008	9.31	49.55	49.35	49.50
54	13250	2583753	6095004	35510008	9.54	50.39	50.46	50.55
55	13500	2632503	6210004	36180008	9.58	51.62	51.56	51.72
56	13750	2681253	6325004	36850008	9.93	52.62	52.50	52.67
57	14000	2730003	6440004	37520008	10.03	53.60	53.86	53.84
58	14250	2778753	6555004	38190008	10.24	54.91	54.80	54.88
59	14500	2827503	6670004	38860008	10.57	55.88	55.90	55.88
60	14750	2876253	6785004	39530008	10.64	57.10	56.91	57.08
61	15000	2925003	6900004	40200008	10.66	58.11	58.14	58.05

Table 347: s_{id}-pyr10seq-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	783	1844	10728	1.77	0.20	0.08	0.21
2	250	48753	115004	670008	282.84	299.48	299.31	338.61
3	500	97503	230004	1340008	753.52	1341.17	1476.49	1449.44
4	750	146253	345004	2010008	1420.65	3247.94	to	to
5	1000	195003	460004	2680008		to	to	to

Table 348: s_{id}-pyr10seq-picosat

8.4 pyr1seq

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	27	44	216	0.00	0.00	0.00	0.00
2	10000	60003	100004	520008	0.92	1.43	1.51	1.75
3	20000	120003	200004	1040008	2.19	3.46	3.37	3.42
4	30000	180003	300004	1560008	3.42	5.35	5.43	5.19
5	40000	240003	400004	2080008	4.57	7.00	7.17	7.34
6	50000	300003	500004	2600008	6.49	8.62	8.75	8.60
7	60000	360003	600004	3120008	6.29	10.80	10.89	10.59
8	70000	420003	700004	3640008	7.39	12.22	12.34	12.02
9	80000	480003	800004	4160008	8.22	14.52	14.40	14.46
10	90000	540003	900004	4680008	9.45	16.11	15.86	16.13
11	100000	600003	1000004	5200008	10.18	17.67	17.61	17.60
12	110000	660003	1100004	5720008	13.51	19.70	19.44	19.62
13	120000	720003	1200004	6240008	12.77	21.17	21.30	21.50
14	130000	780003	1300004	6760008	15.35	22.59	22.84	22.60
15	140000	840003	1400004	7280008	17.80	24.24	24.33	24.24
16	150000	900003	1500004	7800008	15.00	25.96	25.76	25.84
17	160000	960003	1600004	8320008	20.15	27.16	27.26	27.39
18	170000	1020003	1700004	8840008	21.25	28.83	28.78	29.13
19	180000	1080003	1800004	9360008	19.92	30.01	30.56	30.44
20	190000	1140003	1900004	9880008	21.03	32.07	31.42	31.55

21	200000	1200003	2000004	10400008	24.34	32.73	32.75	32.73
22	210000	1260003	2100004	10920008	24.96	34.38	34.18	34.50
23	220000	1320003	2200004	11440008	21.29	35.72	35.50	35.33
24	230000	1380003	2300004	11960008	23.92	38.08	36.72	36.44
25	240000	1440003	2400004	12480008	28.70	38.50	38.25	38.27
26	250000	1500003	2500004	13000008	24.67	39.68	39.83	39.93
27	260000	1560003	2600004	13520008	24.69	40.79	40.40	40.49
28	270000	1620003	2700004	14040008	26.66	42.06	41.83	46.32
29	280000	1680003	2800004	14560008	29.62	42.85	43.01	43.82
30	290000	1740003	2900004	15080008	30.67	44.63	44.68	44.69
31	300000	1800003	3000004	15600008	27.16	45.65	45.93	45.64
32	310000	1860003	3100004	16120008	28.27	46.84	47.41	46.83
33	320000	1920003	3200004	16640008	30.42	58.46	58.88	48.42
34	330000	1980003	3300004	17160008	33.10	50.81	50.72	50.82
35	340000	2040003	3400004	17680008	32.26	50.60	50.54	50.92
36	350000	2100003	3500004	18200008	31.40	57.01	57.09	52.85
37	360000	2160003	3600004	18720008	42.55	54.06	53.60	56.29
38	370000	2220003	3700004	19240008	32.93	55.85	55.88	55.03
39	380000	2280003	3800004	19760008	36.24	60.20	60.17	57.92
40	390000	2340003	3900004	20280008	39.78	57.42	57.29	57.23
41	400000	2400003	4000004	20800008	35.06	58.83	58.77	62.16
42	410000	2460003	4100004	21320008	39.13	60.43	59.62	59.72
43	420000	2520003	4200004	21840008	37.22	62.63	62.72	64.05
44	430000	2580003	4300004	22360008	39.35	65.67	65.98	63.75
45	440000	2640003	4400004	22880008	40.77	74.69	74.95	65.98
46	450000	2700003	4500004	23400008	38.73	72.25	71.75	66.07
47	460000	2760003	4600004	23920008	39.47	68.71	68.63	66.23
48	470000	2820003	4700004	24440008	50.06	70.97	70.27	67.81
49	480000	2880003	4800004	24960008	54.75	69.40	69.20	70.11
50	490000	2940003	4900004	25480008	44.51	71.74	72.53	95.57
51	500000	3000003	5000004	26000008	43.51	88.46	88.22	72.14

Table 349: s_{id}-pyr1seq-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	27	44	216	0.00	0.00	0.00	0.00
2	10000	60003	100004	520008	15.74	52.95	52.66	46.79
3	20000	120003	200004	1040008	67.33	318.78	320.60	362.01
4	30000	180003	300004	1560008	204.60	752.92	752.55	786.34
5	40000	240003	400004	2080008	491.86	2220.21	2211.33	2936.81
6	50000	300003	500004	2600008		to	to	to

Table 350: s_{id}-pyr1seq-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	27	44	216	0.00	0.00	0.00	0.00
2	10000	60003	100004	520008	0.22	0.36	0.35	0.34
3	20000	120003	200004	1040008	0.28	1.14	1.17	1.18
4	30000	180003	300004	1560008	0.67	1.66	1.74	1.69
5	40000	240003	400004	2080008	0.93	2.30	2.31	2.37
6	50000	300003	500004	2600008	0.71	2.86	3.03	2.96
7	60000	360003	600004	3120008	0.84	3.73	3.73	3.76
8	70000	420003	700004	3640008	1.28	4.50	4.49	4.55
9	80000	480003	800004	4160008	1.35	5.30	5.16	5.03
10	90000	540003	900004	4680008	1.27	5.81	5.93	5.81
11	100000	600003	1000004	5200008	1.50	6.67	6.72	6.47
12	110000	660003	1100004	5720008	1.78	7.45	7.46	7.30
13	120000	720003	1200004	6240008	1.91	8.34	8.32	8.30
14	130000	780003	1300004	6760008	1.87	9.08	8.92	9.01
15	140000	840003	1400004	7280008	2.01	9.81	9.85	9.58

16	150000	900003	1500004	7800008	2.51	10.58	10.59	10.47
17	160000	960003	1600004	8320008	2.26	11.35	11.14	11.30
18	170000	1020003	1700004	8840008	2.58	12.15	11.99	12.37
19	180000	1080003	1800004	9360008	2.85	12.94	12.99	12.95
20	190000	1140003	1900004	9880008	3.06	13.76	13.80	13.82
21	200000	1200003	2000004	10400008	3.02	14.53	14.49	14.38
22	210000	1260003	2100004	10920008	3.32	15.44	15.42	15.54
23	220000	1320003	2200004	11440008	3.51	16.37	16.30	16.15
24	230000	1380003	2300004	11960008	3.61	17.26	17.07	16.98
25	240000	1440003	2400004	12480008	3.81	18.01	17.72	18.02
26	250000	1500003	2500004	13000008	3.92	18.91	18.51	18.85
27	260000	1560003	2600004	13520008	3.78	19.58	19.56	19.44
28	270000	1620003	2700004	14040008	4.15	20.61	20.50	20.27
29	280000	1680003	2800004	14560008	4.33	21.44	21.39	21.34
30	290000	1740003	2900004	15080008	4.38	22.91	22.93	22.02
31	300000	1800003	3000004	15600008	4.79	22.90	22.91	23.29
32	310000	1860003	3100004	16120008	4.78	23.76	23.83	23.86
33	320000	1920003	3200004	16640008	4.72	24.96	24.84	24.91
34	330000	1980003	3300004	17160008	5.10	25.83	25.87	25.73
35	340000	2040003	3400004	17680008	5.22	26.37	26.34	26.54
36	350000	2100003	3500004	18200008	5.34	27.45	27.43	27.20
37	360000	2160003	3600004	18720008	5.46	28.47	28.24	28.32
38	370000	2220003	3700004	19240008	5.82	29.19	29.09	29.06
39	380000	2280003	3800004	19760008	5.54	29.92	30.27	30.14
40	390000	2340003	3900004	20280008	6.13	31.00	31.13	30.71
41	400000	2400003	4000004	20800008	5.95	31.70	31.98	31.73
42	410000	2460003	4100004	21320008	6.07	32.88	32.82	32.84
43	420000	2520003	4200004	21840008	6.27	33.77	33.62	33.76
44	430000	2580003	4300004	22360008	6.53	34.69	34.81	34.76
45	440000	2640003	4400004	22880008	6.70	35.75	35.66	35.51
46	450000	2700003	4500004	23400008	6.79	36.60	36.60	36.47
47	460000	2760003	4600004	23920008	6.97	37.28	37.38	37.36
48	470000	2820003	4700004	24440008	7.16	38.21	38.21	38.57
49	480000	2880003	4800004	24960008	7.08	39.01	39.12	38.93
50	490000	2940003	4900004	25480008	7.56	40.23	40.24	40.28
51	500000	3000003	5000004	26000008	7.54	40.86	41.02	40.90

Table 351: s_{id}-pyr1seq-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	27	44	216	0.00	0.00	0.00	0.00
2	10000	60003	100004	520008	74.59	326.09	275.19	254.21
3	20000	120003	200004	1040008	260.65	1016.12	1008.09	993.35
4	30000	180003	300004	1560008	475.71	to	to	3015.61
5	40000	240003	400004	2080008	642.23	to	to	to

Table 352: s_{id}-pyr1seq-picosat

8.5 pyr3seq

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	111	220	1208	0.00	0.00	0.00	0.00
2	2500	67503	135004	750008	3.26	4.66	4.66	5.03
3	5000	135003	270004	1500008	6.62	10.68	10.75	10.21
4	7500	202503	405004	2250008	10.06	15.41	15.39	15.04
5	10000	270003	540004	3000008	12.68	20.94	20.88	21.31
6	12500	337503	675004	3750008	15.44	26.85	26.88	26.56
7	15000	405003	810004	4500008	17.62	31.21	31.24	31.48
8	17500	472503	945004	5250008	20.05	35.65	35.52	35.38
9	20000	540003	1080004	6000008	18.81	39.72	39.74	39.69

10	22500	607503	1215004	6750008	23.58	44.11	44.17	44.16
11	25000	675003	1350004	7500008	23.32	48.42	48.30	48.11
12	27500	742503	1485004	8250008	24.07	52.11	52.01	52.54
13	30000	810003	1620004	9000008	28.07	56.46	56.52	56.25
14	32500	877503	1755004	9750008	27.72	60.28	60.23	60.42
15	35000	945003	1890004	10500008	29.37	64.34	64.35	64.40
16	37500	1012503	2025004	11250008	34.14	68.62	68.63	68.12
17	40000	1080003	2160004	12000008	32.75	72.62	72.60	72.68
18	42500	1147503	2295004	12750008	39.15	76.68	76.83	76.88
19	45000	1215003	2430004	13500008	40.43	80.53	80.47	80.86
20	47500	1282503	2565004	14250008	38.30	84.78	84.86	84.87
21	50000	1350003	2700004	15000008	41.29	88.79	88.81	90.01
22	52500	1417503	2835004	15750008	45.09	92.94	92.97	92.51
23	55000	1485003	2970004	16500008	43.34	97.12	96.98	96.80
24	57500	1552503	3105004	17250008	45.34	101.13	101.04	101.36
25	60000	1620003	3240004	18000008	47.66	105.24	105.18	105.95
26	62500	1687503	3375004	18750008	48.95	109.82	109.73	109.39
27	65000	1755003	3510004	19500008	50.40	113.34	113.34	113.32
28	67500	1822503	3645004	20250008	52.89	117.52	117.38	118.80
29	70000	1890003	3780004	21000008	54.47	121.53	121.58	121.72
30	72500	1957503	3915004	21750008	56.20	125.85	125.77	125.52
31	75000	2025003	4050004	22500008	57.77	129.87	130.03	129.44
32	77500	2092503	4185004	23250008	59.51	133.43	133.61	133.82
33	80000	2160003	4320004	24000008	62.00	137.74	137.52	138.23
34	82500	2227503	4455004	24750008	63.38	142.15	142.47	141.69
35	85000	2295003	4590004	25500008	64.91	146.46	146.19	146.45
36	87500	2362503	4725004	26250008	71.53	150.22	150.46	150.54
37	90000	2430003	4860004	27000008	71.02	153.66	153.25	153.69
38	92500	2497503	4995004	27750008	70.22	158.62	158.51	160.79
39	95000	2565003	5130004	28500008	71.96	162.81	162.74	162.96
40	97500	2632503	5265004	29250008	74.51	166.46	166.66	166.37
41	100000	2700003	5400004	30000008	76.44	171.36	171.35	170.66

Table 353: s_{id}-pyr3seq-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	111	220	1208	0.00	0.00	0.00	0.00
2	2500	67503	135004	750008	34.04	87.93	87.83	77.11
3	5000	135003	270004	1500008	140.63	408.02	409.59	570.98
4	7500	202503	405004	2250008	386.49	1553.62	1309.46	1407.71
5	10000	270003	540004	3000008	843.43	to	to	2964.67
6	12500	337503	675004	3750008	1297.67	to	to	to

Table 354: s_{id}-pyr3seq-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	111	220	1208	0.00	0.00	0.00	0.00
2	2500	67503	135004	750008	0.21	0.58	0.60	0.57
3	5000	135003	270004	1500008	0.40	1.44	1.42	1.46
4	7500	202503	405004	2250008	0.62	2.47	2.44	2.47
5	10000	270003	540004	3000008	0.85	3.51	3.43	3.46
6	12500	337503	675004	3750008	1.05	4.51	4.55	4.54
7	15000	405003	810004	4500008	1.26	5.75	5.80	5.73
8	17500	472503	945004	5250008	1.48	6.88	6.97	6.85
9	20000	540003	1080004	6000008	1.63	8.06	7.97	8.07
10	22500	607503	1215004	6750008	1.86	9.25	9.21	9.23
11	25000	675003	1350004	7500008	2.15	10.54	10.45	10.40
12	27500	742503	1485004	8250008	2.36	11.70	11.62	11.60
13	30000	810003	1620004	9000008	2.60	12.77	12.82	12.74
14	32500	877503	1755004	9750008	2.77	14.22	14.28	14.03

15	35000	945003	1890004	10500008	3.03	15.36	15.28	15.41
16	37500	1012503	2025004	11250008	3.19	16.64	16.56	16.47
17	40000	1080003	2160004	12000008	3.41	18.04	18.01	17.90
18	42500	1147503	2295004	12750008	3.64	19.07	19.16	19.19
19	45000	1215003	2430004	13500008	3.91	20.46	20.50	20.40
20	47500	1282503	2565004	14250008	4.13	21.70	21.71	21.70
21	50000	1350003	2700004	15000008	4.33	23.03	23.17	23.03
22	52500	1417503	2835004	15750008	4.60	24.31	24.46	24.22
23	55000	1485003	2970004	16500008	4.79	25.69	25.61	25.57
24	57500	1552503	3105004	17250008	5.04	27.05	27.06	26.92
25	60000	1620003	3240004	18000008	5.18	28.62	28.37	28.27
26	62500	1687503	3375004	18750008	5.50	29.47	29.38	29.52
27	65000	1755003	3510004	19500008	5.62	30.77	30.81	31.06
28	67500	1822503	3645004	20250008	5.83	32.45	32.40	32.51
29	70000	1890003	3780004	21000008	6.09	33.60	33.51	33.77
30	72500	1957503	3915004	21750008	6.34	35.19	35.10	35.20
31	75000	2025003	4050004	22500008	6.46	36.74	36.89	36.23
32	77500	2092503	4185004	23250008	6.82	38.07	37.99	37.94
33	80000	2160003	4320004	24000008	6.95	39.32	39.42	39.47
34	82500	2227503	4455004	24750008	7.19	40.64	40.83	40.65
35	85000	2295003	4590004	25500008	7.46	42.21	42.25	42.02
36	87500	2362503	4725004	26250008	7.77	43.30	43.23	43.13
37	90000	2430003	4860004	27000008	7.85	44.96	44.75	44.74
38	92500	2497503	4995004	27750008	8.01	46.20	46.03	45.99
39	95000	2565003	5130004	28500008	8.34	47.48	47.48	47.73
40	97500	2632503	5265004	29250008	8.56	49.16	49.16	48.93
41	100000	2700003	5400004	30000008	8.68	50.39	50.55	50.58

Table 355: s_{id}-pyr3seq-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	111	220	1208	0.00	0.00	0.00	0.00
2	2500	67503	135004	750008	36.67	427.00	438.29	345.56
3	5000	135003	270004	1500008	119.19	2022.16	2122.21	1717.99
4	7500	202503	405004	2250008	235.38	to	to	to

Table 356: s_{id}-pyr3seq-picosat

8.6 pyr5seq

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	243	524	2968	0.01	0.01	0.00	0.00
2	1000	60003	130004	740008	3.77	4.68	4.69	4.74
3	2000	120003	260004	1480008	7.82	10.28	10.14	10.39
4	3000	180003	390004	2220008	11.40	15.34	15.37	15.30
5	4000	240003	520004	2960008	15.10	20.33	20.37	20.36
6	5000	300003	650004	3700008	18.10	24.69	24.73	24.62
7	6000	360003	780004	4440008	19.73	29.78	29.83	28.96
8	7000	420003	910004	5180008	23.44	33.76	33.85	34.21
9	8000	480003	1040004	5920008	25.50	38.88	38.84	38.00
10	9000	540003	1170004	6660008	29.35	42.39	42.35	42.49
11	10000	600003	1300004	7400008	30.79	46.39	46.42	46.54
12	11000	660003	1430004	8140008	33.63	51.05	51.04	51.38
13	12000	720003	1560004	8880008	36.65	54.86	54.78	55.57
14	13000	780003	1690004	9620008	38.86	58.35	58.74	58.38
15	14000	840003	1820004	10360008	41.90	62.87	62.80	64.09
16	15000	900003	1950004	11100008	44.03	67.22	67.23	67.78
17	16000	960003	2080004	11840008	46.96	71.25	71.14	71.13
18	17000	1020003	2210004	12580008	51.16	74.81	74.99	76.20
19	18000	1080003	2340004	13320008	53.97	79.82	80.10	80.85

20	19000	1140003	2470004	14060008	54.87	84.96	85.11	83.55
21	20000	1200003	2600004	14800008	57.87	87.55	88.05	89.16
22	21000	1260003	2730004	15540008	60.32	91.06	91.13	92.99
23	22000	1320003	2860004	16280008	63.15	98.34	98.28	95.10
24	23000	1380003	2990004	17020008	65.41	100.60	100.42	99.94
25	24000	1440003	3120004	17760008	68.39	106.89	106.96	105.79
26	25000	1500003	3250004	18500008	71.33	110.38	110.42	109.02
27	26000	1560003	3380004	19240008	73.38	111.21	111.32	113.88
28	27000	1620003	3510004	19980008	76.59	119.03	119.02	119.08
29	28000	1680003	3640004	20720008	78.89	122.88	123.09	122.11
30	29000	1740003	3770004	21460008	81.91	125.16	125.04	125.49
31	30000	1800003	3900004	22200008	84.51	128.60	128.65	132.60
32	31000	1860003	4030004	22940008	86.91	136.23	136.43	130.03
33	32000	1920003	4160004	23680008	89.87	134.64	134.32	135.29
34	33000	1980003	4290004	24420008	92.27	143.68	143.87	144.12
35	34000	2040003	4420004	25160008	94.65	144.70	144.37	147.26
36	35000	2100003	4550004	25900008	97.79	152.71	152.99	151.38
37	36000	2160003	4680004	26640008	100.96	157.55	157.62	154.41
38	37000	2220003	4810004	27380008	103.17	155.22	155.25	152.44
39	38000	2280003	4940004	28120008	105.94	162.20	162.09	163.59
40	39000	2340003	5070004	28860008	108.56	163.76	163.72	170.26
41	40000	2400003	5200004	29600008	111.49	170.70	170.73	172.56
42	41000	2460003	5330004	30340008	114.29	178.04	177.97	172.76
43	42000	2520003	5460004	31080008	116.48	176.56	176.55	180.32
44	43000	2580003	5590004	31820008	119.23	181.88	182.11	182.63
45	44000	2640003	5720004	32560008	121.79	192.18	192.61	181.42
46	45000	2700003	5850004	33300008	124.56	184.16	184.07	195.91
47	46000	2760003	5980004	34040008	126.87	198.22	197.11	201.32
48	47000	2820003	6110004	34780008	129.73	195.34	195.18	193.76
49	48000	2880003	6240004	35520008	132.43	207.13	207.10	196.53
50	49000	2940003	6370004	36260008	134.91	202.23	202.01	200.33
51	50000	3000003	6500004	37000008	137.89	204.68	204.15	209.33

Table 357: s_{id}-pyr5seq-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	243	524	2968	0.01	0.00	0.00	0.01
2	1000	60003	130004	740008	34.01	70.65	69.41	77.07
3	2000	120003	260004	1480008	179.94	465.38	463.69	407.56
4	3000	180003	390004	2220008	412.57	1113.82	1115.67	1051.62
5	4000	240003	520004	2960008	820.40	2191.87	2186.04	2428.78
6	5000	300003	650004	3700008	1705.86	3178.42	3174.72	to
7	6000	360003	780004	4440008	1683.74	to	to	to

Table 358: s_{id}-pyr5seq-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	243	524	2968	0.00	0.00	0.00	0.00
2	1000	60003	130004	740008	0.19	0.54	0.56	0.55
3	2000	120003	260004	1480008	0.38	1.33	1.34	1.44
4	3000	180003	390004	2220008	0.58	2.26	2.23	2.25
5	4000	240003	520004	2960008	0.79	3.21	3.15	3.17
6	5000	300003	650004	3700008	0.98	4.14	4.18	4.22
7	6000	360003	780004	4440008	1.20	5.14	5.20	5.15
8	7000	420003	910004	5180008	1.42	6.28	6.19	6.25
9	8000	480003	1040004	5920008	1.61	7.24	7.29	7.24
10	9000	540003	1170004	6660008	1.83	8.35	8.34	8.32
11	10000	600003	1300004	7400008	2.04	9.45	9.47	9.42
12	11000	660003	1430004	8140008	2.15	10.50	10.43	10.42
13	12000	720003	1560004	8880008	2.50	11.62	11.53	11.57

14	13000	780003	1690004	9620008	2.61	12.79	12.68	12.68
15	14000	840003	1820004	10360008	2.83	13.91	13.93	13.79
16	15000	900003	1950004	11100008	2.99	14.96	14.99	15.11
17	16000	960003	2080004	11840008	3.24	16.12	16.11	16.13
18	17000	1020003	2210004	12580008	3.49	17.30	17.27	17.32
19	18000	1080003	2340004	13320008	3.75	18.48	18.48	18.54
20	19000	1140003	2470004	14060008	3.95	19.58	19.73	19.75
21	20000	1200003	2600004	14800008	4.11	20.89	20.83	20.76
22	21000	1260003	2730004	15540008	4.29	21.94	22.12	22.13
23	22000	1320003	2860004	16280008	4.49	23.14	23.13	23.17
24	23000	1380003	2990004	17020008	4.68	24.46	24.39	24.61
25	24000	1440003	3120004	17760008	5.00	25.62	25.58	25.62
26	25000	1500003	3250004	18500008	5.14	26.71	26.86	26.73
27	26000	1560003	3380004	19240008	5.46	28.02	28.03	27.99
28	27000	1620003	3510004	19980008	5.54	29.28	29.15	29.40
29	28000	1680003	3640004	20720008	5.73	30.53	30.47	30.54
30	29000	1740003	3770004	21460008	5.97	31.70	31.69	31.79
31	30000	1800003	3900004	22200008	6.08	33.19	32.98	32.83
32	31000	1860003	4030004	22940008	6.40	34.34	34.14	34.30
33	32000	1920003	4160004	23680008	6.61	35.50	35.47	35.42
34	33000	1980003	4290004	24420008	6.77	36.82	36.90	36.73
35	34000	2040003	4420004	25160008	7.02	37.90	38.10	38.08
36	35000	2100003	4550004	25900008	7.20	39.24	39.22	39.24
37	36000	2160003	4680004	26640008	7.40	40.63	40.56	40.55
38	37000	2220003	4810004	27380008	7.71	41.77	41.84	41.75
39	38000	2280003	4940004	28120008	7.98	43.02	42.98	43.05
40	39000	2340003	5070004	28860008	8.01	44.37	44.29	44.52
41	40000	2400003	5200004	29600008	8.21	45.66	45.68	45.59
42	41000	2460003	5330004	30340008	8.53	47.00	46.76	46.90
43	42000	2520003	5460004	31080008	8.88	48.16	48.28	48.09
44	43000	2580003	5590004	31820008	8.87	49.48	49.49	49.51
45	44000	2640003	5720004	32560008	9.14	50.61	50.64	50.90
46	45000	2700003	5850004	33300008	9.44	51.89	52.04	52.06
47	46000	2760003	5980004	34040008	9.58	53.33	53.31	53.34
48	47000	2820003	6110004	34780008	9.85	54.56	54.70	54.77
49	48000	2880003	6240004	35520008	9.96	55.67	55.82	56.25
50	49000	2940003	6370004	36260008	10.18	57.14	57.39	57.24
51	50000	3000003	6500004	37000008	10.36	58.55	58.75	58.52

Table 359: s_{id}-pyr5seq-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	243	524	2968	0.01	0.02	0.02	0.01
2	1000	60003	130004	740008	103.56	394.91	492.03	324.38
3	2000	120003	260004	1480008	180.05	1584.98	1636.34	1520.13
4	3000	180003	390004	2220008		to	to	to

Table 360: s_{id}-pyr5seq-picosat

8.7 pyramid

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	18	32	160	0.00	0.00	0.00	0.00
2	4	45	92	504	0.00	0.00	0.00	0.00
3	6	84	184	1040	0.00	0.00	0.00	0.00
4	8	135	308	1768	0.00	0.00	0.00	0.01
5	10	198	464	2688	0.01	0.01	0.01	0.01
6	12	273	652	3800	0.02	0.01	0.01	0.01
7	14	360	872	5104	0.02	0.02	0.02	0.02
8	16	459	1124	6600	0.03	0.03	0.02	0.03

9	18	570	1408	8288	0.04	0.03	0.03	0.03
10	20	693	1724	10168	0.05	0.04	0.04	0.03
11	22	828	2072	12240	0.06	0.05	0.05	0.05
12	24	975	2452	14504	0.07	0.06	0.06	0.06
13	26	1134	2864	16960	0.07	0.07	0.07	0.07
14	28	1305	3308	19608	0.09	0.08	0.08	0.08
15	30	1488	3784	22448	0.10	0.09	0.09	0.09
16	32	1683	4292	25480	0.12	0.10	0.10	0.10
17	34	1890	4832	28704	0.12	0.11	0.11	0.12
18	36	2109	5404	32120	0.15	0.14	0.14	0.12
19	38	2340	6008	35728	0.17	0.14	0.13	0.15
20	40	2583	6644	39528	0.18	0.16	0.16	0.16
21	42	2838	7312	43520	0.21	0.17	0.16	0.18
22	44	3105	8012	47704	0.23	0.19	0.18	0.19
23	46	3384	8744	52080	0.23	0.21	0.21	0.21
24	48	3675	9508	56648	0.26	0.21	0.23	0.23
25	50	3978	10304	61408	0.29	0.24	0.24	0.24
26	52	4293	11132	66360	0.31	0.26	0.27	0.27
27	54	4620	11992	71504	0.33	0.29	0.28	0.29
28	56	4959	12884	76840	0.36	0.31	0.31	0.32
29	58	5310	13808	82368	0.38	0.34	0.34	0.33
30	60	5673	14764	88088	0.42	0.36	0.35	0.35
31	62	6048	15752	94000	0.44	0.37	0.38	0.38
32	64	6435	16772	100104	0.44	0.41	0.41	0.41
33	66	6834	17824	106400	0.49	0.42	0.43	0.43
34	68	7245	18908	112888	0.52	0.46	0.45	0.47
35	70	7668	20024	119568	0.55	0.48	0.48	0.49
36	72	8103	21172	126440	0.58	0.50	0.51	0.50
37	74	8550	22352	133504	0.62	0.54	0.54	0.53
38	76	9009	23564	140760	0.63	0.59	0.61	0.60
39	78	9480	24808	148208	0.70	0.60	0.60	0.63
40	80	9963	26084	155848	0.72	0.64	0.64	0.63
41	82	10458	27392	163680	0.74	0.65	0.65	0.66
42	84	10965	28732	171704	0.80	0.71	0.69	0.68
43	86	11484	30104	179920	0.83	0.73	0.74	0.73
44	88	12015	31508	188328	0.88	0.75	0.75	0.77
45	90	12558	32944	196928	0.92	0.80	0.79	0.80
46	92	13113	34412	205720	0.97	0.82	0.85	0.83
47	94	13680	35912	214704	0.98	0.88	0.87	0.85
48	96	14259	37444	223880	1.03	0.91	0.91	0.93
49	98	14850	39008	233248	1.09	0.96	0.96	0.95
50	100	15453	40604	242808	1.11	1.01	0.99	0.99
51	105	17013	44734	267548	1.24	1.09	1.09	1.09
52	110	18648	49064	293488	1.36	1.19	1.16	1.21
53	115	20358	53594	320628	1.50	1.31	1.33	1.31
54	120	22143	58324	348968	1.61	1.41	1.41	1.44
55	125	24003	63254	378508	1.78	1.53	1.54	1.55
56	130	25938	68384	409248	1.91	1.69	1.71	1.68
57	135	27948	73714	441188	2.06	1.82	1.83	1.84
58	140	30033	79244	474328	2.34	2.02	2.02	1.95
59	145	32193	84974	508668	2.38	2.15	2.16	2.15
60	150	34428	90904	544208	2.54	2.29	2.31	2.29
61	155	36738	97034	580948	4.33	2.48	2.53	2.46
62	160	39123	103364	618888	5.05	4.65	4.82	5.79
63	165	41583	109894	658028	5.27	5.32	6.03	5.77
64	170	44118	116624	698368	4.33	3.05	3.02	3.07
65	175	46728	123554	739908	3.68	3.23	3.24	3.29
66	180	49413	130684	782648	3.81	3.48	3.49	3.47
67	185	52173	138014	826588	4.03	3.75	3.78	3.73
68	190	55008	145544	871728	4.08	3.94	3.93	3.94
69	195	57918	153274	918068	4.42	4.15	4.20	4.16
70	200	60903	161204	965608	4.74	4.41	4.42	4.37

71	205	63963	169334	1014348	4.94	4.64	4.63	4.60
72	210	67098	177664	1064288	5.14	6.29	4.98	4.94
73	215	70308	186194	1115428	5.31	7.68	7.78	5.65
74	220	73593	194924	1167768	9.25	5.57	5.58	5.51
75	225	76953	203854	1221308	6.48	10.44	5.92	5.74
76	230	80388	212984	1276048	6.53	6.12	6.05	5.93
77	235	83898	222314	1331988	10.71	9.73	9.99	6.45
78	240	87483	231844	1389128	9.77	12.11	11.83	11.49
79	245	91143	241574	1447468	10.31	11.32	10.85	10.70
80	250	94878	251504	1507008	11.67	12.88	7.99	11.74
81	255	98688	261634	1567748	7.93	7.63	7.60	7.62
82	260	102573	271964	1629688	7.98	7.98	8.00	7.88
83	265	106533	282494	1692828	8.49	8.13	8.11	8.18
84	270	110568	293224	1757168	9.26	9.52	9.25	12.11
85	275	114678	304154	1822708	9.84	9.55	9.78	9.96
86	280	118863	315284	1889448	10.05	9.93	11.05	10.31
87	285	123123	326614	1957388	9.94	10.68	11.03	11.12
88	290	127458	338144	2026528	10.20	12.13	11.30	12.98
89	295	131868	349874	2096868	10.75	10.98	11.23	11.81
90	300	136353	361804	2168408	11.09	10.60	11.80	11.51
91	305	140913	373934	2241148	11.39	12.54	12.90	12.25
92	310	145548	386264	2315088	12.08	12.52	11.90	12.52
93	315	150258	398794	2390228	11.52	12.32	11.84	12.61
94	320	155043	411524	2466568	12.02	12.42	12.36	12.10
95	325	159903	424454	2544108	12.16	12.68	12.71	12.61
96	330	164838	437584	2622848	12.48	13.17	13.06	13.01
97	335	169848	450914	2702788	12.87	13.51	13.54	13.56
98	340	174933	464444	2783928	13.19	14.23	14.08	14.11
99	345	180093	478174	2866268	13.54	14.36	14.39	14.41
100	350	185328	492104	2949808	13.89	14.83	14.66	14.79
101	355	190638	506234	3034548	15.59	15.35	16.93	15.11
102	360	196023	520564	3120488	14.70	15.64	15.70	15.65
103	365	201483	535094	3207628	14.99	15.81	15.88	15.65
104	370	207018	549824	3295968	15.42	16.49	16.48	16.72
105	375	212628	564754	3385508	15.89	17.12	17.21	17.17
106	380	218313	579884	3476248	16.20	17.47	17.47	17.63
107	385	224073	595214	3568188	16.47	17.79	17.77	17.80
108	390	229908	610744	3661328	17.31	19.84	18.64	18.53
109	395	235818	626474	3755668	17.41	18.81	18.79	18.57
110	400	241803	642404	3851208	17.63	19.10	19.19	19.64
111	405	247863	658534	3947948	18.03	19.61	19.60	19.92
112	410	253998	674864	4045888	18.51	31.13	20.18	20.13
113	415	260208	691394	4145028	19.02	20.92	21.04	20.67
114	420	266493	708124	4245368	19.42	21.44	21.42	21.18
115	425	272853	725054	4346908	32.96	22.27	25.07	24.97
116	430	279288	742184	4449648	23.16	28.17	25.29	26.21
117	435	285798	759514	4553588	23.07	26.11	25.98	26.90
118	440	292383	777044	4658728	23.51	26.69	27.13	26.76
119	445	299043	794774	4765068	24.28	27.54	28.49	28.95
120	450	305778	812704	4872608	25.60	29.11	28.99	29.07
121	455	312588	830834	4981348	25.43	29.56	28.34	28.58
122	460	319473	849164	5091288	25.22	29.21	29.18	28.75
123	465	326433	867694	5202428	26.19	31.24	29.42	32.26
124	470	333468	886424	5314768	27.26	29.93	31.56	30.21
125	475	340578	905354	5428308	26.98	31.58	31.11	31.20
126	480	347763	924484	5543048	27.79	32.73	31.94	32.14
127	485	355023	943814	5658988	27.57	33.00	32.71	33.27
128	490	362358	963344	5776128	29.45	32.35	33.17	33.31
129	495	369768	983074	5894468	29.44	34.38	33.70	34.55
130	500	377253	1003004	6014008	29.21	37.07	37.95	34.06
131	525	415803	1105654	6629708	32.09	38.02	37.01	37.22
132	550	456228	1213304	7275408	35.99	40.85	41.76	41.40

133	575	498528	1325954	7951108	37.22	43.73	43.77	42.38
134	600	542703	1443604	8656808	40.45	48.63	47.57	47.55
135	625	588753	1566254	9392508	43.39	50.31	49.75	49.92
136	650	636678	1693904	10158208	46.49	53.14	54.45	53.74
137	675	686478	1826554	10953908	51.20	56.95	57.38	56.82
138	700	738153	1964204	11779608	53.51	62.84	62.31	61.90
139	725	791703	2106854	12635308	55.81	67.39	66.78	65.30
140	750	847128	2254504	13521008	61.19	77.23	72.08	75.01
141	775	904428	2407154	14436708	65.98	75.35	75.35	75.15
142	800	963603	2564804	15382408	68.42	76.93	76.31	77.16
143	825	1024653	2727454	16358108	71.97	85.53	82.35	83.29
144	850	1087578	2895104	17363808	76.86	87.16	85.22	87.16
145	875	1152378	3067754	18399508	81.61	92.21	93.21	91.40
146	900	1219053	3245404	19465208	85.30	97.61	96.94	96.90
147	925	1287603	3428054	20560908	89.27	99.80	100.00	102.84
148	950	1358028	3615704	21686608	94.55	107.81	109.10	110.03
149	975	1430328	3808354	22842308	97.91	112.00	112.26	112.75
150	1000	1504503	4006004	24028008	102.89	117.65	130.64	116.48

Table 361: s_{id}-pyramid-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	18	32	160	0.00	0.00	0.00	0.00
2	4	45	92	504	0.00	0.00	0.00	0.00
3	6	84	184	1040	0.00	0.00	0.00	0.00
4	8	135	308	1768	0.00	0.01	0.01	0.00
5	10	198	464	2688	0.01	0.01	0.01	0.01
6	12	273	652	3800	0.02	0.02	0.02	0.02
7	14	360	872	5104	0.02	0.02	0.02	0.03
8	16	459	1124	6600	0.04	0.04	0.04	0.04
9	18	570	1408	8288	0.06	0.05	0.05	0.07
10	20	693	1724	10168	0.07	0.08	0.07	0.07
11	22	828	2072	12240	0.09	0.10	0.10	0.11
12	24	975	2452	14504	0.12	0.13	0.13	0.12
13	26	1134	2864	16960	0.14	0.17	0.17	0.18
14	28	1305	3308	19608	0.22	0.22	0.22	0.21
15	30	1488	3784	22448	0.25	0.26	0.25	0.23
16	32	1683	4292	25480	0.30	0.29	0.29	0.28
17	34	1890	4832	28704	0.32	0.32	0.32	0.33
18	36	2109	5404	32120	0.38	0.44	0.44	0.39
19	38	2340	6008	35728	0.51	0.44	0.43	0.50
20	40	2583	6644	39528	0.50	0.53	0.54	0.61
21	42	2838	7312	43520	0.59	0.64	0.64	0.67
22	44	3105	8012	47704	0.66	0.67	0.68	0.78
23	46	3384	8744	52080	0.74	0.88	0.90	0.75
24	48	3675	9508	56648	0.79	0.92	0.90	1.18
25	50	3978	10304	61408	0.96	1.19	1.21	0.92
26	52	4293	11132	66360	1.00	1.03	1.02	1.11
27	54	4620	11992	71504	1.18	1.40	1.41	1.20
28	56	4959	12884	76840	1.45	1.62	1.65	1.50
29	58	5310	13808	82368	1.54	1.57	1.56	1.51
30	60	5673	14764	88088	1.66	1.66	1.64	1.92
31	62	6048	15752	94000	1.73	1.88	1.88	1.82
32	64	6435	16772	100104	1.81	2.18	2.17	2.12
33	66	6834	17824	106400	2.10	2.09	2.12	2.15
34	68	7245	18908	112888	2.16	2.42	2.42	2.43
35	70	7668	20024	119568	2.31	2.54	2.53	2.65
36	72	8103	21172	126440	2.66	2.71	2.68	2.57
37	74	8550	22352	133504	3.01	2.89	2.91	3.68
38	76	9009	23564	140760	3.92	3.54	3.49	3.08
39	78	9480	24808	148208	3.74	3.93	3.96	3.89

40	80	9963	26084	155848	3.86	4.14	4.16	4.26
41	82	10458	27392	163680	4.48	4.62	4.62	4.38
42	84	10965	28732	171704	4.89	5.15	5.13	5.00
43	86	11484	30104	179920	4.67	4.97	4.99	4.94
44	88	12015	31508	188328	4.52	5.27	5.23	4.96
45	90	12558	32944	196928	5.27	5.34	5.37	5.95
46	92	13113	34412	205720	5.68	6.45	6.48	6.29
47	94	13680	35912	214704	5.88	6.51	6.53	6.48
48	96	14259	37444	223880	6.41	6.40	6.36	6.57
49	98	14850	39008	233248	6.96	7.02	7.02	7.35
50	100	15453	40604	242808	7.49	7.46	7.49	7.51
51	105	17013	44734	267548	8.86	9.81	9.77	8.03
52	110	18648	49064	293488	11.71	11.33	11.32	11.60
53	115	20358	53594	320628	11.78	13.61	13.69	13.03
54	120	22143	58324	348968	13.58	14.90	14.65	14.81
55	125	24003	63254	378508	16.47	16.20	16.16	17.43
56	130	25938	68384	409248	17.64	17.29	17.50	18.03
57	135	27948	73714	441188	20.77	21.46	21.45	22.10
58	140	30033	79244	474328	23.44	22.91	23.03	23.73
59	145	32193	84974	508668	26.45	25.82	25.50	26.31
60	150	34428	90904	544208	27.74	30.76	30.65	30.65
61	155	36738	97034	580948	37.19	39.48	39.84	40.83
62	160	39123	103364	618888	96.00	105.06	104.06	107.18
63	165	41583	109894	658028	113.51	115.09	111.61	129.90
64	170	44118	116624	698368	130.40	52.83	52.66	96.20
65	175	46728	123554	739908	51.74	57.33	57.51	54.56
66	180	49413	130684	782648	59.97	62.30	62.25	59.08
67	185	52173	138014	826588	61.81	69.79	70.40	66.23
68	190	55008	145544	871728	67.22	75.85	75.35	77.22
69	195	57918	153274	918068	77.14	83.74	83.44	83.61
70	200	60903	161204	965608	87.00	91.52	90.45	91.80
71	205	63963	169334	1014348	92.04	99.91	99.33	101.02
72	210	67098	177664	1064288	99.72	107.34	108.91	112.11
73	215	70308	186194	1115428	123.92	419.02	288.24	287.07
74	220	73593	194924	1167768	139.34	480.90	162.53	158.71
75	225	76953	203854	1221308	152.26	178.53	170.59	169.10
76	230	80388	212984	1276048	419.97	184.05	182.02	174.90
77	235	83898	222314	1331988	448.06	195.00	491.97	188.85
78	240	87483	231844	1389128	212.85	670.57	590.90	612.72
79	245	91143	241574	1447468	434.99	480.03	386.93	511.57
80	250	94878	251504	1507008	441.38	556.11	538.62	509.28
81	255	98688	261634	1567748	249.74	284.82	623.06	278.01
82	260	102573	271964	1629688	270.26	290.03	287.38	289.70
83	265	106533	282494	1692828	294.36	337.27	330.91	331.50
84	270	110568	293224	1757168	335.47	619.40	444.39	451.13
85	275	114678	304154	1822708	441.53	519.82	494.58	514.83
86	280	118863	315284	1889448	460.49	530.83	515.91	583.83
87	285	123123	326614	1957388	509.69	590.45	643.15	581.90
88	290	127458	338144	2026528	539.98	586.83	621.32	601.07
89	295	131868	349874	2096868	647.48	723.35	695.99	742.27
90	300	136353	361804	2168408	681.94	741.47	575.63	746.93
91	305	140913	373934	2241148	705.58	813.75	804.15	792.56
92	310	145548	386264	2315088	856.35	952.86	863.34	813.46
93	315	150258	398794	2390228	710.69	961.58	826.92	955.92
94	320	155043	411524	2466568	725.25	818.24	817.50	822.18
95	325	159903	424454	2544108	770.69	905.79	872.87	874.70
96	330	164838	437584	2622848	860.45	935.59	928.41	934.20
97	335	169848	450914	2702788	910.76	986.01	980.71	981.71
98	340	174933	464444	2783928	939.19	1059.45	1065.00	1073.88
99	345	180093	478174	2866268	1014.13	1109.01	1118.91	1138.27
100	350	185328	492104	2949808	1102.48	1242.55	1504.43	1216.80
101	355	190638	506234	3034548	1273.25	1517.16	1392.12	1473.38

102	360	196023	520564	3120488	1221.70	1388.76	1391.42	1412.18
103	365	201483	535094	3207628	1304.36	1481.54	1467.26	1451.23
104	370	207018	549824	3295968	1387.57	1507.22	1511.94	1511.85
105	375	212628	564754	3385508	1511.94	1642.70	1776.68	1667.39
106	380	218313	579884	3476248	1521.96	1735.57	1725.19	2186.91
107	385	224073	595214	3568188	1638.28	1919.24	1876.81	1872.33
108	390	229908	610744	3661328	2124.51	2021.35	2013.48	1937.33
109	395	235818	626474	3755668	2289.74	2074.68	2087.42	2017.55
110	400	241803	642404	3851208	1924.70	2180.89	2205.12	2162.19
111	405	247863	658534	3947948	2115.62	2319.58	2320.03	2489.43
112	410	253998	674864	4045888	2164.70	2912.50	2479.31	2398.32
113	415	260208	691394	4145028	2328.06	2544.64	2538.53	to
114	420	266493	708124	4245368	2373.11	2708.82	2737.87	2715.92
115	425	272853	725054	4346908	to	2832.83	to	to

Table 362: s_{id}-pyramid-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	18	32	160	0.00	0.00	0.00	0.00
2	4	45	92	504	0.00	0.00	0.00	0.00
3	6	84	184	1040	0.00	0.00	0.00	0.00
4	8	135	308	1768	0.00	0.00	0.00	0.00
5	10	198	464	2688	0.00	0.00	0.00	0.00
6	12	273	652	3800	0.00	0.00	0.00	0.00
7	14	360	872	5104	0.00	0.00	0.00	0.00
8	16	459	1124	6600	0.00	0.00	0.00	0.00
9	18	570	1408	8288	0.00	0.00	0.00	0.00
10	20	693	1724	10168	0.00	0.00	0.00	0.00
11	22	828	2072	12240	0.00	0.00	0.00	0.00
12	24	975	2452	14504	0.00	0.00	0.00	0.00
13	26	1134	2864	16960	0.00	0.00	0.00	0.00
14	28	1305	3308	19608	0.00	0.00	0.00	0.00
15	30	1488	3784	22448	0.00	0.00	0.00	0.00
16	32	1683	4292	25480	0.00	0.01	0.01	0.01
17	34	1890	4832	28704	0.00	0.01	0.01	0.00
18	36	2109	5404	32120	0.00	0.01	0.01	0.01
19	38	2340	6008	35728	0.00	0.01	0.01	0.01
20	40	2583	6644	39528	0.01	0.01	0.01	0.01
21	42	2838	7312	43520	0.01	0.01	0.01	0.01
22	44	3105	8012	47704	0.01	0.01	0.00	0.01
23	46	3384	8744	52080	0.01	0.02	0.02	0.02
24	48	3675	9508	56648	0.00	0.02	0.02	0.01
25	50	3978	10304	61408	0.01	0.02	0.02	0.02
26	52	4293	11132	66360	0.00	0.02	0.01	0.02
27	54	4620	11992	71504	0.01	0.02	0.02	0.02
28	56	4959	12884	76840	0.01	0.03	0.03	0.03
29	58	5310	13808	82368	0.02	0.02	0.03	0.03
30	60	5673	14764	88088	0.02	0.03	0.03	0.03
31	62	6048	15752	94000	0.02	0.03	0.03	0.02
32	64	6435	16772	100104	0.01	0.03	0.03	0.03
33	66	6834	17824	106400	0.01	0.03	0.03	0.03
34	68	7245	18908	112888	0.01	0.04	0.04	0.04
35	70	7668	20024	119568	0.03	0.05	0.03	0.05
36	72	8103	21172	126440	0.03	0.04	0.05	0.05
37	74	8550	22352	133504	0.03	0.05	0.05	0.04
38	76	9009	23564	140760	0.02	0.05	0.05	0.06
39	78	9480	24808	148208	0.02	0.06	0.06	0.06
40	80	9963	26084	155848	0.03	0.05	0.04	0.05
41	82	10458	27392	163680	0.04	0.06	0.06	0.06
42	84	10965	28732	171704	0.04	0.07	0.07	0.06
43	86	11484	30104	179920	0.04	0.07	0.07	0.07

44	88	12015	31508	188328	0.04	0.07	0.06	0.08
45	90	12558	32944	196928	0.04	0.08	0.08	0.07
46	92	13113	34412	205720	0.05	0.08	0.08	0.09
47	94	13680	35912	214704	0.05	0.07	0.08	0.08
48	96	14259	37444	223880	0.04	0.08	0.08	0.08
49	98	14850	39008	233248	0.05	0.09	0.10	0.10
50	100	15453	40604	242808	0.05	0.09	0.10	0.10
51	105	17013	44734	267548	0.06	0.10	0.10	0.11
52	110	18648	49064	293488	0.07	0.13	0.12	0.13
53	115	20358	53594	320628	0.08	0.14	0.14	0.14
54	120	22143	58324	348968	0.09	0.16	0.16	0.13
55	125	24003	63254	378508	0.07	0.15	0.16	0.17
56	130	25938	68384	409248	0.09	0.18	0.18	0.19
57	135	27948	73714	441188	0.11	0.20	0.20	0.20
58	140	30033	79244	474328	0.10	0.23	0.21	0.22
59	145	32193	84974	508668	0.12	0.23	0.23	0.22
60	150	34428	90904	544208	0.14	0.26	0.27	0.26
61	155	36738	97034	580948	0.14	0.27	0.28	0.31
62	160	39123	103364	618888	0.25	0.74	0.65	1.03
63	165	41583	109894	658028	0.38	0.80	0.92	0.95
64	170	44118	116624	698368	0.22	0.35	0.37	0.58
65	175	46728	123554	739908	0.16	0.38	0.37	0.41
66	180	49413	130684	782648	0.20	0.43	0.41	0.39
67	185	52173	138014	826588	0.19	0.46	0.45	0.45
68	190	55008	145544	871728	0.22	0.47	0.45	0.46
69	195	57918	153274	918068	0.23	0.49	0.49	0.50
70	200	60903	161204	965608	0.22	0.52	0.50	0.52
71	205	63963	169334	1014348	0.25	0.59	0.60	0.57
72	210	67098	177664	1064288	0.27	0.64	0.61	0.63
73	215	70308	186194	1115428	0.31	0.74	0.93	1.07
74	220	73593	194924	1167768	0.29	1.31	0.72	0.69
75	225	76953	203854	1221308	0.31	0.76	0.74	0.74
76	230	80388	212984	1276048	0.60	0.82	0.77	0.78
77	235	83898	222314	1331988	0.58	0.85	1.83	0.78
78	240	87483	231844	1389128	0.32	2.01	1.97	2.03
79	245	91143	241574	1447468	0.53	1.99	1.27	1.52
80	250	94878	251504	1507008	0.59	1.71	1.64	1.58
81	255	98688	261634	1567748	0.40	1.04	1.42	0.98
82	260	102573	271964	1629688	0.40	1.04	1.02	1.02
83	265	106533	282494	1692828	0.43	1.08	1.10	1.12
84	270	110568	293224	1757168	0.45	2.27	1.46	1.27
85	275	114678	304154	1822708	0.52	1.52	1.54	1.47
86	280	118863	315284	1889448	0.51	1.64	1.63	1.65
87	285	123123	326614	1957388	0.49	1.65	1.91	1.54
88	290	127458	338144	2026528	0.56	1.52	1.72	1.65
89	295	131868	349874	2096868	0.57	1.65	1.63	2.18
90	300	136353	361804	2168408	0.57	1.66	1.55	1.66
91	305	140913	373934	2241148	0.63	1.89	1.90	1.79
92	310	145548	386264	2315088	0.64	1.93	1.71	1.78
93	315	150258	398794	2390228	0.61	1.87	1.77	1.88
94	320	155043	411524	2466568	0.61	1.70	1.82	1.81
95	325	159903	424454	2544108	0.66	1.85	1.88	1.92
96	330	164838	437584	2622848	0.64	1.93	2.19	2.00
97	335	169848	450914	2702788	0.68	2.05	1.98	2.02
98	340	174933	464444	2783928	0.68	2.21	2.10	2.08
99	345	180093	478174	2866268	0.74	2.20	2.18	2.16
100	350	185328	492104	2949808	0.75	2.20	2.22	2.26
101	355	190638	506234	3034548	0.83	2.33	2.45	2.42
102	360	196023	520564	3120488	0.79	2.37	2.41	2.40
103	365	201483	535094	3207628	0.83	2.46	2.53	2.41
104	370	207018	549824	3295968	0.86	2.57	2.60	2.60
105	375	212628	564754	3385508	0.93	2.65	2.67	2.73

106	380	218313	579884	3476248	0.87	2.80	2.84	2.77
107	385	224073	595214	3568188	0.90	2.79	2.79	2.87
108	390	229908	610744	3661328	0.93	2.88	2.86	2.93
109	395	235818	626474	3755668	0.99	3.01	2.99	3.13
110	400	241803	642404	3851208	1.00	3.15	3.27	3.57
111	405	247863	658534	3947948	1.05	3.23	3.22	3.26
112	410	253998	674864	4045888	1.02	5.94	3.35	3.33
113	415	260208	691394	4145028	1.06	3.42	3.37	3.36
114	420	266493	708124	4245368	1.10	3.52	3.51	3.52
115	425	272853	725054	4346908	1.73	3.60	4.50	4.55
116	430	279288	742184	4449648	1.30	4.76	4.64	4.62
117	435	285798	759514	4553588	1.25	4.74	4.81	4.69
118	440	292383	777044	4658728	1.34	4.80	4.94	4.83
119	445	299043	794774	4765068	1.45	5.04	6.01	5.21
120	450	305778	812704	4872608	1.39	5.38	6.26	5.55
121	455	312588	830834	4981348	1.58	5.28	5.33	5.61
122	460	319473	849164	5091288	1.43	5.44	5.40	5.60
123	465	326433	867694	5202428	1.71	5.83	5.51	6.03
124	470	333468	886424	5314768	1.53	5.68	5.79	5.77
125	475	340578	905354	5428308	1.61	5.82	5.83	5.92
126	480	347763	924484	5543048	1.58	6.30	6.00	6.17
127	485	355023	943814	5658988	1.65	6.61	6.53	5.98
128	490	362358	963344	5776128	1.84	6.02	6.20	6.22
129	495	369768	983074	5894468	1.72	6.49	6.87	6.65
130	500	377253	1003004	6014008	1.73	6.57	6.84	6.56
131	525	415803	1105654	6629708	1.92	7.17	7.19	7.37
132	550	456228	1213304	7275408	2.19	8.09	8.27	8.26
133	575	498528	1325954	7951108	2.31	9.10	8.92	8.64
134	600	542703	1443604	8656808	2.58	10.40	10.04	10.36
135	625	588753	1566254	9392508	2.77	11.10	10.73	11.33
136	650	636678	1693904	10158208	3.07	11.65	14.08	11.68
137	675	686478	1826554	10953908	3.20	13.29	13.02	13.05
138	700	738153	1964204	11779608	3.53	14.62	14.94	14.57
139	725	791703	2106854	12635308	3.78	15.62	15.72	15.41
140	750	847128	2254504	13521008	3.79	16.58	17.24	16.40
141	775	904428	2407154	14436708	4.32	17.70	17.52	17.31
142	800	963603	2564804	15382408	4.59	19.55	19.86	18.96
143	825	1024653	2727454	16358108	4.91	22.26	20.13	21.88
144	850	1087578	2895104	17363808	5.15	22.80	22.37	22.34
145	875	1152378	3067754	18399508	5.48	23.03	23.85	28.06
146	900	1219053	3245404	19465208	5.84	24.57	28.26	30.03
147	925	1287603	3428054	20560908	6.30	26.66	26.91	25.91
148	950	1358028	3615704	21686608	6.57	28.09	32.94	28.28
149	975	1430328	3808354	22842308	6.69	29.44	29.13	32.44
150	1000	1504503	4006004	24028008	7.22	31.44	31.58	30.97

Table 363: s_{id}-pyramid-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	18	32	160	0.00	0.00	0.00	0.00
2	4	45	92	504	0.00	0.00	0.00	0.00
3	6	84	184	1040	0.00	0.00	0.00	0.00
4	8	135	308	1768	0.00	0.00	0.02	0.02
5	10	198	464	2688	0.11	0.05	0.04	0.06
6	12	273	652	3800	0.10	0.38	0.06	0.07
7	14	360	872	5104	0.27	1.93	0.17	0.05
8	16	459	1124	6600	0.57	3.25	1.79	0.59
9	18	570	1408	8288	3.81	7.62	4.19	3.77
10	20	693	1724	10168	19.46	1.88	1.32	0.50
11	22	828	2072	12240	20.23	3.86	3.95	1.21
12	24	975	2452	14504	10.78	0.50	0.51	0.27

13	26	1134	2864	16960	72.73	0.35	0.36	0.59
14	28	1305	3308	19608	9.05	0.71	0.64	0.58
15	30	1488	3784	22448	106.23	0.50	7.56	0.56
16	32	1683	4292	25480	16.20	1.27	0.67	1.20
17	34	1890	4832	28704	28.43	0.74	0.85	1.09
18	36	2109	5404	32120	48.02	1.10	1.58	1.64
19	38	2340	6008	35728	70.49	1.15	1.15	1.10
20	40	2583	6644	39528	59.47	1.99	1.98	2.14
21	42	2838	7312	43520	199.49	1.46	1.46	2.03
22	44	3105	8012	47704	89.21	1.84	1.80	1.98
23	46	3384	8744	52080	90.44	2.74	2.75	1.53
24	48	3675	9508	56648	84.12	3.78	3.78	3.65
25	50	3978	10304	61408	125.37	4.09	2.32	4.22
26	52	4293	11132	66360	955.16	2.73	2.74	4.10
27	54	4620	11992	71504	111.07	4.91	4.92	3.15
28	56	4959	12884	76840	189.31	5.99	3.94	3.71
29	58	5310	13808	82368	637.73	4.24	6.47	6.23
30	60	5673	14764	88088	518.54	6.52	4.63	4.50
31	62	6048	15752	94000	963.63	5.01	5.02	6.54
32	64	6435	16772	100104	464.40	8.60	8.60	5.67
33	66	6834	17824	106400	524.98	12.88	6.13	9.24
34	68	7245	18908	112888	675.43	6.58	12.17	6.48
35	70	7668	20024	119568	to	6.50	15.40	8.10
36	72	8103	21172	126440	394.17	9.52	9.53	16.14
37	74	8550	22352	133504	2875.95	9.86	9.82	10.06
38	76	9009	23564	140760	2472.34	10.42	17.71	10.54
39	78	9480	24808	148208	1414.89	19.64	19.37	11.80
40	80	9963	26084	155848	806.34	21.16	21.17	13.18
41	82	10458	27392	163680	855.10	24.18	24.22	12.58
42	84	10965	28732	171704	891.21	14.56	21.69	15.53
43	86	11484	30104	179920	768.32	16.60	16.59	24.41
44	88	12015	31508	188328	597.53	28.59	28.46	17.04
45	90	12558	32944	196928	885.15	19.32	19.41	17.84
46	92	13113	34412	205720	909.54	20.15	29.43	28.56
47	94	13680	35912	214704	879.67	23.82	41.83	20.39
48	96	14259	37444	223880	to	33.47	33.39	28.67
49	98	14850	39008	233248	1191.69	42.50	28.50	28.24
50	100	15453	40604	242808	1198.54	47.10	47.09	48.31
51	105	17013	44734	267548	to	36.07	35.99	57.82
52	110	18648	49064	293488	to	43.15	59.01	62.70
53	115	20358	53594	320628	to	50.47	50.42	76.21
54	120	22143	58324	348968	3442.34	86.75	86.43	92.08
55	125	24003	63254	378508	to	69.52	69.47	102.32
56	130	25938	68384	409248	to	106.63	107.87	82.10
57	135	27948	73714	441188	to	94.16	93.80	137.77
58	140	30033	79244	474328	to	154.10	155.57	158.37
59	145	32193	84974	508668	to	183.95	183.83	193.62
60	150	34428	90904	544208	to	148.79	214.32	239.45
61	155	36738	97034	580948	to	170.33	252.55	176.80
62	160	39123	103364	618888	to	477.80	620.25	770.28
63	165	41583	109894	658028	to	444.90	717.46	441.12
64	170	44118	116624	698368	to	241.40	392.80	284.37
65	175	46728	123554	739908	to	269.02	388.77	267.48
66	180	49413	130684	782648	to	425.77	303.13	424.82
67	185	52173	138014	826588	to	319.02	320.47	340.98
68	190	55008	145544	871728	to	578.30	391.06	530.69
69	195	57918	153274	918068	to	460.46	462.13	448.23
70	200	60903	161204	965608	to	689.51	691.62	674.00
71	205	63963	169334	1014348	to	785.44	786.70	831.07
72	210	67098	177664	1064288	to	683.18	588.33	588.01
73	215	70308	186194	1115428	to	997.58	1057.07	780.18
74	220	73593	194924	1167768	to	1846.81	960.43	738.60

75	225	76953	203854	1221308	to	1641.02	1092.28	789.02
76	230	80388	212984	1276048	to	852.80	1209.78	922.61
77	235	83898	222314	1331988	to	2336.88	1995.01	1422.44
78	240	87483	231844	1389128	to	2731.43	2321.04	1892.63
79	245	91143	241574	1447468	to	2004.05	2308.57	1879.81
80	250	94878	251504	1507008	to	2099.63	2123.84	2132.40
81	255	98688	261634	1567748	to	1353.83	1892.95	1865.28
82	260	102573	271964	1629688	to	2187.42	1915.50	1514.52
83	265	106533	282494	1692828	to	2461.83	2449.17	2186.70
84	270	110568	293224	1757168	to	to	2803.24	2482.07
85	275	114678	304154	1822708	to	3018.76	2259.52	3319.89
86	280	118863	315284	1889448	to	3337.47	3277.83	3470.30
87	285	123123	326614	1957388	to	to	2518.54	3418.07
88	290	127458	338144	2026528	to	2874.01	2836.12	3030.60
89	295	131868	349874	2096868	to	2926.38	to	3420.17
90	300	136353	361804	2168408	to	to	3173.28	to

Table 364: s_{id}-pyramid-picosat

8.8 pyrofpyr

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	27	50	260	0.00	0.00	0.00	0.00
2	2	108	236	1336	0.00	0.00	0.00	0.00
3	3	300	706	4100	0.02	0.02	0.02	0.02
4	4	675	1652	9704	0.06	0.06	0.06	0.05
5	5	1323	3314	19588	0.12	0.12	0.12	0.12
6	6	2352	5980	35480	0.21	0.23	0.23	0.23
7	7	3888	9986	59396	0.37	0.38	0.38	0.38
8	8	6075	15716	93640	0.57	0.60	0.60	0.60
9	9	9075	23602	140804	0.83	0.91	0.91	0.92
10	10	13068	34124	203768	1.21	1.30	1.30	1.30
11	11	18252	47810	285700	1.70	1.80	1.81	1.80
12	12	24843	65236	390056	2.39	2.50	2.49	2.49
13	13	33075	87026	520580	3.16	3.40	3.37	3.32
14	14	43200	113852	681304	4.13	4.52	4.48	4.44
15	15	55488	146434	876548	5.34	5.84	5.91	5.86
16	16	70227	185540	1110920	6.79	7.45	7.46	7.57
17	17	87723	231986	1389316	8.65	9.59	10.01	9.62
18	18	108300	286636	1716920	10.66		11.97	

Table 365: s_{id}-pyrofpyr-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	27	50	260	0.00	0.00	0.00	0.00
2	2	108	236	1336	0.00	0.00	0.00	0.00
3	3	300	706	4100	0.02	0.02	0.02	0.02
4	4	675	1652	9704	0.11	0.12	0.12	0.19
5	5	1323	3314	19588	0.40	0.35	0.34	0.37
6	6	2352	5980	35480	3.13	2.18	2.19	1.63
7	7	3888	9986	59396	7.71	9.37	9.32	6.42
8	8	6075	15716	93640	23.50	32.82	32.70	23.29
9	9	9075	23602	140804	52.25	45.16	45.15	70.56
10	10	13068	34124	203768	135.49	133.11	133.15	102.59
11	11	18252	47810	285700	168.56	182.18	182.40	181.85
12	12	24843	65236	390056	307.03	329.71	330.15	313.22
13	13	33075	87026	520580	424.51	472.10	472.48	498.83
14	14	43200	113852	681304	503.66	571.37	574.47	687.71
15	15	55488	146434	876548	816.36	871.58	868.58	917.48
16	16	70227	185540	1110920	1421.40	1490.55	1496.94	1434.33

17	17	87723	231986	1389316	1580.99	1354.97	1519.67	1749.58
18	18	108300	286636	1716920	2157.73	2470.03	2481.12	

Table 366: s_{id}-pyrofpyr-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	27	50	260	0.00	0.00	0.00	0.00
2	2	108	236	1336	0.00	0.00	0.00	0.00
3	3	300	706	4100	0.00	0.00	0.00	0.00
4	4	675	1652	9704	0.00	0.00	0.00	0.00
5	5	1323	3314	19588	0.00	0.00	0.00	0.00
6	6	2352	5980	35480	0.00	0.01	0.00	0.01
7	7	3888	9986	59396	0.01	0.02	0.01	0.02
8	8	6075	15716	93640	0.02	0.02	0.03	0.03
9	9	9075	23602	140804	0.03	0.04	0.05	0.06
10	10	13068	34124	203768	0.04	0.09	0.09	0.09
11	11	18252	47810	285700	0.07	0.12	0.11	0.11
12	12	24843	65236	390056	0.10	0.17	0.16	0.17
13	13	33075	87026	520580	0.14	0.26	0.24	0.23
14	14	43200	113852	681304	0.18	0.35	0.34	0.34
15	15	55488	146434	876548	0.24	0.47	0.46	0.50
16	16	70227	185540	1110920	0.30	0.64	0.62	0.66
17	17	87723	231986	1389316	0.36	0.89	0.98	0.87
18	18	108300	286636	1716920	0.46	1.13	1.13	

Table 367: s_{id}-pyrofpyr-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	27	50	260	0.00	0.00	0.00	0.00
2	2	108	236	1336	0.00	0.00	0.00	0.00
3	3	300	706	4100	0.05	0.02	0.02	0.02
4	4	675	1652	9704	0.36	0.10	0.10	0.16
5	5	1323	3314	19588	1.80	0.66	1.20	0.50
6	6	2352	5980	35480	4.90	3.90	4.83	4.52
7	7	3888	9986	59396	22.24	16.83	13.95	12.76
8	8	6075	15716	93640	467.06	34.78	55.84	45.37
9	9	9075	23602	140804	111.68	97.27	97.09	106.28
10	10	13068	34124	203768	359.85	248.34	232.64	201.77
11	11	18252	47810	285700	1256.22	553.75	361.38	584.53
12	12	24843	65236	390056	2756.72	816.99	878.29	829.50
13	13	33075	87026	520580	to	1383.16	1374.66	1722.84
14	14	43200	113852	681304	to	2965.55	2843.03	2916.50
15	15	55488	146434	876548	to	to	3305.90	to

Table 368: s_{id}-pyrofpyr-picosat

8.9 pyrseqsqrt

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	129	268	1496	0.00	0.00	0.00	0.00
2	3	327	724	4136	0.02	0.02	0.02	0.02
3	4	663	1524	8808	0.03	0.04	0.03	0.03
4	5	1368	3224	18768	0.09	0.09	0.09	0.09
5	6	2433	5836	34136	0.17	0.16	0.16	0.15
6	7	3930	9552	56064	0.28	0.26	0.25	0.26
7	8	6387	15684	92296	0.46	0.43	0.43	0.42
8	9	9075	22468	132488	0.62	0.61	0.59	0.60
9	10	13113	32684	193048	0.95	0.87	0.86	0.86

10	11	18978	47568	281344	1.40	1.28	1.28	1.26
11	12	25275	63652	376904	1.83	1.77	1.73	1.73
12	13	33933	85804	508568	2.51	2.41	2.39	2.39
13	14	44271	112340	666408	3.25	3.13	3.10	3.16
14	15	56433	143644	852728	4.30	4.08	4.11	4.11
15	16	70563	180100	1069832	5.55	5.27	5.29	5.29
16	17	88692	226920	1348720	7.01	6.79	6.79	6.78
17	18	109515	280804	1669832	8.70	8.62	8.69	8.59
18	19	133212	342232	2036048	10.12	10.52	10.53	10.55
19	20	159963	411684	2450248	12.14	12.77	12.77	12.64
20	21	192783	496948	2958824	14.67	15.67	15.53	15.54
21	22	229551	592596	3529512	16.76	18.36	18.34	18.34
22	23	270483	699204	4165768	19.99	21.85	21.97	21.96
23	24	319467	826852	4927688	23.20	25.54	25.51	25.56
24	25	369678	957904	5710208	26.24	29.69	29.72	29.34
25	26	429003	1112804	6635208	29.63	33.38	33.40	33.27
26	27	498639	1294708	7721576	34.11	38.76	38.70	38.38
27	28	569943	1481204	8835688	38.29	43.72	43.62	43.68
28	29	652764	1697896	10130288	43.36	49.15	49.00	49.03
29	30	742773	1933564	11538488	48.98	56.06	55.96	55.07
30	31	840258	2188976	13064896	54.83	61.68	61.77	62.90
31	32	945507	2464900	14714120	60.29	67.73	67.96	67.26
32	33	1065639	2779924	16597160	67.69	75.47	75.45	76.08
33	34	1194933	3119164	18625208	75.10	83.63	83.62	83.28
34	35	1333713	3483484	20803448	82.93	93.14	93.13	93.15
35	36	1482303	3873748	23137064	92.19	103.77	103.57	102.28
36	37	1649574	4313168	25764736	102.63	113.29	113.30	113.75
37	38	1828221	4782684	28572664	112.67	125.69	125.34	125.14
38	39	2018604	5283256	31566608	123.81	137.52	138.05	137.69
39	40	2231043	5841924	34908168	137.12	152.13	152.30	152.36
40	41	2446473	6408796	38299256	149.37	166.77	166.22	166.49
41	42	2685693	7038364	42065528	163.45	182.29	182.08	182.05
42	43	2950620	7735704	46237392	179.43	200.47	200.43	199.52
43	44	3219219	8443076	50469768	195.54	217.54	217.76	218.12
44	45	3515403	9223204	55137608	mo	237.81	237.82	237.84
45	46	3828123	10047140	60067912		mo	mo	mo

Table 369: s_{id}-pyrseqsqrt-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	129	268	1496	0.00	0.00	0.00	0.00
2	3	327	724	4136	0.01	0.01	0.01	0.01
3	4	663	1524	8808	0.04	0.04	0.04	0.04
4	5	1368	3224	18768	0.13	0.16	0.16	0.13
5	6	2433	5836	34136	0.30	0.39	0.38	0.38
6	7	3930	9552	56064	0.71	0.80	0.79	0.73
7	8	6387	15684	92296	1.62	1.69	1.69	1.41
8	9	9075	22468	132488	2.54	2.64	2.65	2.59
9	10	13113	32684	193048	4.77	5.11	5.10	5.12
10	11	18978	47568	281344	8.10	9.96	9.94	9.73
11	12	25275	63652	376904	14.16	16.99	16.62	16.71
12	13	33933	85804	508568	22.67	28.47	30.11	28.72
13	14	44271	112340	666408	39.74	43.30	43.45	45.36
14	15	56433	143644	852728	65.14	78.10	77.35	77.42
15	16	70563	180100	1069832	110.94	135.21	134.56	123.08
16	17	88692	226920	1348720	184.09	220.72	232.35	222.45
17	18	109515	280804	1669832	316.68	367.62	363.28	372.36
18	19	133212	342232	2036048	544.88	633.88	634.44	651.97
19	20	159963	411684	2450248	870.14	967.86	971.77	1009.26
20	21	192783	496948	2958824	1323.78	1583.12	1616.38	1559.69
21	22	229551	592596	3529512	2059.98	2383.37	2371.83	2367.08

22	23	270483	699204	4165768	3208.75	to	to	to

Table 370: s_{id}-pyrseqsqrt-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	129	268	1496	0.00	0.00	0.00	0.00
2	3	327	724	4136	0.00	0.00	0.00	0.00
3	4	663	1524	8808	0.00	0.00	0.00	0.00
4	5	1368	3224	18768	0.00	0.00	0.00	0.00
5	6	2433	5836	34136	0.00	0.00	0.01	0.01
6	7	3930	9552	56064	0.01	0.02	0.01	0.02
7	8	6387	15684	92296	0.02	0.04	0.04	0.03
8	9	9075	22468	132488	0.03	0.06	0.06	0.06
9	10	13113	32684	193048	0.03	0.08	0.09	0.09
10	11	18978	47568	281344	0.07	0.14	0.13	0.13
11	12	25275	63652	376904	0.08	0.20	0.19	0.15
12	13	33933	85804	508568	0.11	0.27	0.27	0.27
13	14	44271	112340	666408	0.13	0.37	0.35	0.34
14	15	56433	143644	852728	0.19	0.47	0.48	0.49
15	16	70563	180100	1069832	0.26	0.63	0.66	0.67
16	17	88692	226920	1348720	0.32	0.88	0.89	0.89
17	18	109515	280804	1669832	0.42	1.19	1.18	1.19
18	19	133212	342232	2036048	0.51	1.53	1.53	1.51
19	20	159963	411684	2450248	0.64	1.92	1.91	1.94
20	21	192783	496948	2958824	0.76	2.43	2.37	2.42
21	22	229551	592596	3529512	0.91	2.97	2.99	3.02
22	23	270483	699204	4165768	1.03	3.65	3.75	3.60
23	24	319467	826852	4927688	1.23	4.48	4.46	4.50
24	25	369678	957904	5710208	1.41	5.34	5.39	5.40
25	26	429003	1112804	6635208	1.65	6.48	6.51	6.49
26	27	498639	1294708	7721576	1.93	7.68	7.71	7.72
27	28	569943	1481204	8835688	2.20	9.08	8.97	8.94
28	29	652764	1697896	10130288	2.54	10.67	10.50	10.55
29	30	742773	1933564	11538488	2.90	12.27	12.24	12.28
30	31	840258	2188976	13064896	3.30	14.29	14.21	14.20
31	32	945507	2464900	14714120	3.70	16.19	16.24	16.16
32	33	1065639	2779924	16597160	4.17	18.53	18.50	18.64
33	34	1194933	3119164	18625208	4.72	21.08	21.13	21.20
34	35	1333713	3483484	20803448	5.22	23.99	24.06	24.10
35	36	1482303	3873748	23137064	5.78	27.08	27.25	27.12
36	37	1649574	4313168	25764736	6.56	30.58	30.67	30.73
37	38	1828221	4782684	28572664	7.35	34.53	34.56	34.56
38	39	2018604	5283256	31566608	8.12	38.39	38.66	38.64
39	40	2231043	5841924	34908168	8.99	42.94	43.17	43.18
40	41	2446473	6408796	38299256	9.77	47.85	47.72	47.89
41	42	2685693	7038364	42065528	10.62	53.12	53.07	53.17
42	43	2950620	7735704	46237392	12.03	59.17	58.94	59.16
43	44	3219219	8443076	50469768	12.76	65.25	65.11	65.09
44	45	3515403	9223204	55137608	14.10	71.92	72.28	72.02
45	46	3828123	10047140	60067912	15.41	79.17	79.03	79.14
46	47	4157811	10916036	65267592	16.73	87.10	86.76	86.80
47	48	4504899	11831044	70743560	18.28	94.95	94.89	95.17
48	49	4884666	12832320	76735968	19.66	104.02	103.83	104.08
49	50	5283903	13885204	83037608	21.54	115.30	113.43	113.38

Table 371: s_{id}-pyrseqsqrt-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	129	268	1496	0.00	0.00	0.00	0.00
2	3	327	724	4136	0.02	0.03	0.03	0.03

3	4	663	1524	8808	0.62	0.20	0.09	0.17
4	5	1368	3224	18768	1.40	0.28	0.28	0.49
5	6	2433	5836	34136	7.81	1.27	1.27	0.68
6	7	3930	9552	56064	25.66	2.31	2.13	2.47
7	8	6387	15684	92296	62.72	5.02	5.05	5.22
8	9	9075	22468	132488	181.14	13.75	9.51	15.25
9	10	13113	32684	193048	514.68	20.25	29.60	30.06
10	11	18978	47568	281344	564.89	44.17	44.67	40.73
11	12	25275	63652	376904	825.24	74.89	73.29	103.44
12	13	33933	85804	508568	3240.00	136.44	138.98	136.99
13	14	44271	112340	666408	2565.73	260.40	361.67	332.93
14	15	56433	143644	852728	to	585.96	585.60	582.70
15	16	70563	180100	1069832	to	927.32	624.62	663.51
16	17	88692	226920	1348720	to	1116.10	1499.72	1564.94
17	18	109515	280804	1669832	to	2072.95	2082.92	1950.08
18	19	133212	342232	2036048	to	to	3555.85	2716.89
19	20	159963	411684	2450248		to	to	to

Table 372: s_{id}-pyrseqsqrt-picosat

8.10 width10chain

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	117	254	1436	0.00	0.00	0.00	0.00
2	2000	60027	160014	959996	3.77	3.85	3.85	3.83
3	4000	120027	320014	1919996	7.76	8.28	8.31	8.28
4	6000	180027	480014	2879996	11.12	12.54	12.57	12.63
5	8000	240027	640014	3839996	14.37	16.66	16.64	16.68
6	10000	300027	800014	4799996	17.70	20.92	20.92	20.86
7	12000	360027	960014	5759996	20.88	24.58	24.49	24.56
8	14000	420027	1120014	6719996	23.99	29.53	29.57	28.53
9	16000	480027	1280014	7679996	26.33	32.27	32.35	31.61
10	18000	540027	1440014	8639996	29.48	38.19	38.25	35.42
11	20000	600027	1600014	9599996	32.01	39.33	39.37	40.63
12	22000	660027	1760014	10559996	35.18	42.90	42.83	43.40
13	24000	720027	1920014	11519996	37.81	47.68	47.55	49.79
14	26000	780027	2080014	12479996	40.90	50.01	49.91	49.16
15	28000	840027	2240014	13439996	43.82	55.32	55.10	53.94
16	30000	900027	2400014	14399996	46.44	61.75	61.59	58.21
17	32000	960027	2560014	15359996	48.61	61.62	61.72	59.45
18	34000	1020027	2720014	16319996	58.28	70.01	70.07	69.89
19	36000	1080027	2880014	17279996	54.42	74.08	74.19	67.78
20	38000	1140027	3040014	18239996	57.25	72.91	72.85	70.73
21	40000	1200027	3200014	19199996	59.98	78.30	74.30	80.73
22	42000	1260027	3360014	20159996	62.94	85.93	85.79	85.81
23	44000	1320027	3520014	21119996	65.39	78.90	78.95	83.05
24	46000	1380027	3680014	22079996	77.92	93.50	93.70	85.35
25	48000	1440027	3840014	23039996	70.66	97.45	97.69	90.15
26	50000	1500027	4000014	23999996	84.79	98.47	98.46	101.57
27	52000	1560027	4160014	24959996	87.45	105.51	105.33	102.31
28	54000	1620027	4320014	25919996	79.22	109.78	109.30	103.18
29	56000	1680027	4480014	26879996	94.28	113.02	113.00	112.98
30	58000	1740027	4640014	27839996	97.25	112.63	112.70	116.94
31	60000	1800027	4800014	28799996	87.69	121.20	121.74	115.03
32	62000	1860027	4960014	29759996	90.39	113.10	113.56	125.95
33	64000	1920027	5120014	30719996	93.26	116.06	115.98	129.07
34	66000	1980027	5280014	31679996	110.74	132.99	132.76	132.97
35	68000	2040027	5440014	32639996	118.90	128.78	128.91	136.56
36	70000	2100027	5600014	33599996	101.19	153.21	153.63	153.31
37	72000	2160027	5760014	34559996	283.95	138.61	138.54	171.96
38	74000	2220027	5920014	35519996	334.91	143.93	143.99	196.44
39	76000	2280027	6080014	36479996	395.57	147.91	148.01	147.93

40	78000	2340027	6240014	37439996	171.58	293.72	293.79	280.02
41	80000	2400027	6400014	38399996	646.91	342.18	341.39	349.34
42	82000	2460027	6560014	39359996	558.69	to	to	408.81
43	84000	2520027	6720014	40319996	794.91	452.25	452.79	476.14
44	86000	2580027	6880014	41279996	721.65	573.79	574.43	to
45	88000	2640027	7040014	42239996	920.18	624.88	620.50	704.03
46	90000	2700027	7200014	43199996	926.52	865.11	865.83	790.36
47	92000	2760027	7360014	44159996	1012.65	876.61	874.30	994.19
48	94000	2820027	7520014	45119996	134.63	1073.75	1073.75	1267.97
49	96000	2880027	7680014	46079996	1139.84	171.31	171.46	1432.31
50	98000	2940027	7840014	47039996	1134.29	468.75	471.56	1282.55
51	100000	3000027	8000014	47999996	1506.82	1663.37	to	to

Table 373: s_{id}-width10chain-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	117	254	1436	0.00	0.00	0.00	0.00
2	2000	60027	160014	959996	92.29	112.86	111.55	110.26
3	4000	120027	320014	1919996	333.97	382.71	386.56	407.46
4	6000	180027	480014	2879996	650.17	970.54	966.09	757.65
5	8000	240027	640014	3839996	1367.41	1602.55	1611.55	1634.74
6	10000	300027	800014	4799996	1873.67	2328.18	2335.63	2447.40
7	12000	360027	960014	5759996	2451.25	3225.73	3230.32	3254.87
8	14000	420027	1120014	6719996	to	to		to

Table 374: s_{id}-width10chain-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	117	254	1436	0.00	0.00	0.00	0.00
2	2000	60027	160014	959996	0.24	0.47	0.49	0.49
3	4000	120027	320014	1919996	0.45	1.26	1.20	1.24
4	6000	180027	480014	2879996	0.77	2.08	2.10	2.07
5	8000	240027	640014	3839996	0.96	2.95	2.98	3.00
6	10000	300027	800014	4799996	1.24	3.86	3.88	3.81
7	12000	360027	960014	5759996	1.55	4.81	4.77	4.76
8	14000	420027	1120014	6719996	1.75	5.71	5.76	5.78
9	16000	480027	1280014	7679996	2.02	6.76	6.75	6.73
10	18000	540027	1440014	8639996	2.22	7.71	7.76	7.63
11	20000	600027	1600014	9599996	2.50	8.75	8.76	8.84
12	22000	660027	1760014	10559996	2.77	9.84	9.77	9.76
13	24000	720027	1920014	11519996	3.03	10.92	10.79	10.77
14	26000	780027	2080014	12479996	3.21	11.89	11.79	11.86
15	28000	840027	2240014	13439996	3.49	12.92	12.79	12.89
16	30000	900027	2400014	14399996	3.70	13.88	13.89	13.87
17	32000	960027	2560014	15359996	3.99	14.99	14.84	14.94
18	34000	1020027	2720014	16319996	4.25	16.03	15.88	16.03
19	36000	1080027	2880014	17279996	4.54	17.12	17.16	17.11
20	38000	1140027	3040014	18239996	4.82	18.18	18.20	18.15
21	40000	1200027	3200014	19199996	4.94	23.76	19.32	23.53
22	42000	1260027	3360014	20159996	5.27	20.40	20.32	20.43
23	44000	1320027	3520014	21119996	5.49	21.38	21.42	21.48
24	46000	1380027	3680014	22079996	5.72	22.61	22.48	22.57
25	48000	1440027	3840014	23039996	5.97	23.69	23.72	23.65
26	50000	1500027	4000014	23999996	6.76	24.78	24.76	24.80
27	52000	1560027	4160014	24959996	6.61	26.11	25.88	26.01
28	54000	1620027	4320014	25919996	6.72	26.93	27.07	27.04
29	56000	1680027	4480014	26879996	7.06	28.15	28.03	28.08
30	58000	1740027	4640014	27839996	7.28	29.29	29.20	29.25
31	60000	1800027	4800014	28799996	7.39	30.33	30.48	30.27
32	62000	1860027	4960014	29759996	7.89	31.43	31.50	31.52

33	64000	1920027	5120014	30719996	8.21	32.54	32.53	32.65
34	66000	1980027	5280014	31679996	8.35	33.62	33.72	33.69
35	68000	2040027	5440014	32639996	8.55	34.69	34.83	34.96
36	70000	2100027	5600014	33599996	8.97	35.79	35.96	35.97
37	72000	2160027	5760014	34559996	9.13	37.15	37.11	36.96
38	74000	2220027	5920014	35519996	9.41	38.02	38.30	38.37
39	76000	2280027	6080014	36479996	9.49	39.42	39.24	39.40
40	78000	2340027	6240014	37439996	9.82	40.50	40.46	40.65
41	80000	2400027	6400014	38399996	10.25	41.82	41.43	41.55
42	82000	2460027	6560014	39359996	10.45	42.88	42.44	42.74
43	84000	2520027	6720014	40319996	10.65	43.76	43.67	43.73
44	86000	2580027	6880014	41279996	10.86	44.95	44.94	44.86
45	88000	2640027	7040014	42239996	10.93	45.84	46.27	45.92
46	90000	2700027	7200014	43199996	11.21	47.37	47.29	47.13
47	92000	2760027	7360014	44159996	11.42	48.40	48.37	48.24
48	94000	2820027	7520014	45119996	11.84	49.46	49.73	49.35
49	96000	2880027	7680014	46079996	12.00	50.52	50.24	50.73
50	98000	2940027	7840014	47039996	12.34	51.72	51.80	51.66
51	100000	3000027	8000014	47999996	12.52	53.00	53.03	53.02

Table 375: s_{id}-width10chain-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	117	254	1436	0.01	0.01	0.01	0.00
2	2000	60027	160014	959996	to	438.38	437.60	588.27
3	4000	120027	320014	1919996	to	2628.50	2075.14	2141.76
4	6000	180027	480014	2879996	to		to	to

Table 376: s_{id}-width10chain-picosat

8.11 width2chain

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	21	46	252	0.00	0.00	0.00	0.00
2	10000	60003	159998	959964	3.59	4.31	4.34	4.28
3	20000	120003	319998	1919964	7.28	9.18	9.23	9.22
4	30000	180003	479998	2879964	10.69	13.94	13.90	14.23
5	40000	240003	639998	3839964	14.13	20.51	20.53	19.57
6	50000	300003	799998	4799964	17.22	23.34	23.34	24.94
7	60000	360003	959998	5759964	19.91	27.59	27.70	28.06
8	70000	420003	1119998	6719964	23.12	35.18	35.24	33.66
9	80000	480003	1279998	7679964	25.68	38.86	38.73	38.34
10	90000	540003	1439998	8639964	32.08	43.84	43.98	44.01
11	100000	600003	1599998	9599964	30.68	43.89	43.89	43.40
12	110000	660003	1759998	10559964	38.17	48.01	47.96	49.15
13	120000	720003	1919998	11519964	36.60	51.35	51.27	57.33
14	130000	780003	2079998	12479964	39.57	57.81	57.86	61.90
15	140000	840003	2239998	13439964	68.27	66.51	66.68	66.20
16	150000	900003	2399998	14399964	44.86	70.71	70.68	66.57
17	160000	960003	2559998	15359964	76.94	65.75	66.00	73.03
18	170000	1020003	2719998	16319964	81.47	78.19	78.29	78.02
19	180000	1080003	2879998	17279964	59.05	82.73	82.81	82.54
20	190000	1140003	3039998	18239964	54.75	86.66	86.58	86.55
21	200000	1200003	3199998	19199964	95.58	91.02	91.03	91.76
22	210000	1260003	3359998	20159964	100.96	89.15	88.98	96.21
23	220000	1320003	3519998	21119964	104.71	99.79	99.80	99.91
24	230000	1380003	3679998	22079964	74.43	104.22	104.29	104.24
25	240000	1440003	3839998	23039964	113.04	108.65	108.63	109.39
26	250000	1500003	3999998	23999964	118.17	113.18	113.43	113.07
27	260000	1560003	4159998	24959964	123.10	118.02	117.28	117.30

28	270000	1620003	4319998	25919964	86.70	121.87	122.46	121.94
29	280000	1680003	4479998	26879964	89.61	126.97	125.74	125.93
30	290000	1740003	4639998	27839964	92.98	130.45	130.41	130.40
31	300000	1800003	4799998	28799964	141.19	134.75	134.92	125.30
32	310000	1860003	4959998	29759964	176.52	139.82	139.90	139.61
33	320000	1920003	5119998	30719964	101.81	191.62	190.67	189.28
34	330000	1980003	5279998	31679964	241.00	270.99	270.42	to
35	340000	2040003	5439998	32639964	131.29	354.47	355.60	352.82
36	350000	2100003	5599998	33599964	171.37	147.57	148.25	441.97
37	360000	2160003	5759998	34559964	387.49	525.16	525.86	523.02
38	370000	2220003	5919998	35519964	403.95	to	to	352.85
39	380000	2280003	6079998	36479964	273.25	684.47	684.12	669.10
40	390000	2340003	6239998	37439964	449.53	740.74	740.90	767.05
41	400000	2400003	6399998	38399964	596.32	850.28	859.73	818.99
42	410000	2460003	6559998	39359964	519.47	924.68	923.67	900.17
43	420000	2520003	6719998	40319964	458.07	1017.66	1017.32	969.69
44	430000	2580003	6879998	41279964	439.60	1088.16		1081.36

Table 377: s_{id}-width2chain-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	21	46	252	0.00	0.00	0.00	0.00
2	10000	60003	159998	959964	30.11	34.72	34.69	34.62
3	20000	120003	319998	1919964	111.86	142.83	141.93	134.66
4	30000	180003	479998	2879964	233.80	325.66	325.15	334.92
5	40000	240003	639998	3839964	486.42	689.60	691.11	663.87
6	50000	300003	799998	4799964	759.50	1043.76	1043.64	1031.92
7	60000	360003	959998	5759964	1084.16	1528.87	1530.88	1562.52
8	70000	420003	1119998	6719964	1570.99	2113.59	2196.36	2126.33
9	80000	480003	1279998	7679964	2301.81	3166.69	3152.56	3281.90
10	90000	540003	1439998	8639964	2759.39	to	to	to

Table 378: s_{id}-width2chain-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	21	46	252	0.00	0.00	0.00	0.00
2	10000	60003	159998	959964	0.24	0.49	0.50	0.51
3	20000	120003	319998	1919964	0.51	1.20	1.20	1.21
4	30000	180003	479998	2879964	0.72	2.02	1.96	2.02
5	40000	240003	639998	3839964	0.96	2.91	2.86	2.87
6	50000	300003	799998	4799964	1.27	3.85	3.75	3.83
7	60000	360003	959998	5759964	1.48	4.76	4.76	4.71
8	70000	420003	1119998	6719964	1.74	5.72	5.67	5.74
9	80000	480003	1279998	7679964	2.02	6.72	6.65	6.63
10	90000	540003	1439998	8639964	2.29	7.64	7.63	7.69
11	100000	600003	1599998	9599964	2.48	8.64	8.57	8.63
12	110000	660003	1759998	10559964	2.68	9.68	9.65	9.65
13	120000	720003	1919998	11519964	2.98	10.60	10.82	10.57
14	130000	780003	2079998	12479964	3.20	11.71	11.68	11.70
15	140000	840003	2239998	13439964	3.54	12.78	12.64	12.67
16	150000	900003	2399998	14399964	3.67	13.76	13.74	13.72
17	160000	960003	2559998	15359964	4.02	14.81	14.74	14.79
18	170000	1020003	2719998	16319964	4.29	15.75	15.90	15.81
19	180000	1080003	2879998	17279964	4.56	16.84	16.89	16.90
20	190000	1140003	3039998	18239964	4.77	17.94	17.81	17.76
21	200000	1200003	3199998	19199964	5.02	18.94	18.86	19.06
22	210000	1260003	3359998	20159964	5.20	20.06	20.07	20.10
23	220000	1320003	3519998	21119964	5.45	21.13	21.16	21.09
24	230000	1380003	3679998	22079964	5.81	22.27	22.14	22.34
25	240000	1440003	3839998	23039964	5.99	23.42	23.41	23.19

26	250000	1500003	3999998	23999964	6.15	24.37	24.42	24.28
27	260000	1560003	4159998	24959964	6.49	25.46	25.53	25.52
28	270000	1620003	4319998	25919964	6.81	26.58	26.55	26.55
29	280000	1680003	4479998	26879964	7.04	27.61	27.60	27.76
30	290000	1740003	4639998	27839964	7.29	28.78	28.77	28.71
31	300000	1800003	4799998	28799964	7.58	29.79	29.93	29.85
32	310000	1860003	4959998	29759964	7.72	31.01	30.94	31.03
33	320000	1920003	5119998	30719964	7.90	32.07	31.96	32.03
34	330000	1980003	5279998	31679964	8.36	33.06	33.05	33.34
35	340000	2040003	5439998	32639964	8.60	34.40	34.14	34.15
36	350000	2100003	5599998	33599964	8.75	35.53	41.30	35.38
37	360000	2160003	5759998	34559964	9.13	36.47	36.60	36.77
38	370000	2220003	5919998	35519964	9.38	37.72	37.49	37.56
39	380000	2280003	6079998	36479964	9.69	38.76	38.64	38.64
40	390000	2340003	6239998	37439964	9.96	39.96	39.85	39.71
41	400000	2400003	6399998	38399964	10.19	40.77	40.88	41.06
42	410000	2460003	6559998	39359964	10.25	41.93	42.25	42.26
43	420000	2520003	6719998	40319964	10.76	43.38	42.96	43.35
44	430000	2580003	6879998	41279964	10.82	44.36	44.45	44.03

Table 379: s_{id}-width2chain-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	21	46	252	0.00	0.00	0.00	0.00
2	10000	60003	159998	959964	to	192.55	192.51	282.06
3	20000	120003	319998	1919964	2876.57	857.93	857.23	1090.64
4	30000	180003	479998	2879964	to	1908.05	2217.62	2391.34
5	40000	240003	639998	3839964	to	3321.70	3482.49	3541.64
6	50000	300003	799998	4799964	to	to		to

Table 380: s_{id}-width2chain-picosat

8.12 width5chain

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	57	124	696	0.00	0.00	0.00	0.00
2	4000	60012	160004	959976	3.45	3.66	3.62	3.64
3	8000	120012	320004	1919976	6.97	7.97	8.01	7.97
4	12000	180012	480004	2879976	10.19	12.01	12.03	12.12
5	16000	240012	640004	3839976	13.10	16.03	16.11	16.01
6	20000	300012	800004	4799976	16.29	20.38	20.36	21.93
7	24000	360012	960004	5759976	18.99	23.94	23.79	24.08
8	28000	420012	1120004	6719976	21.63	28.29	28.33	29.41
9	32000	480012	1280004	7679976	24.06	31.74	31.99	31.66
10	36000	540012	1440004	8639976	26.42	33.70	33.64	34.47
11	40000	600012	1600004	9599976	28.77	37.67	37.76	42.48
12	44000	660012	1760004	10559976	31.20	41.02	41.04	41.04
13	48000	720012	1920004	11519976	34.11	49.53	49.68	45.45
14	52000	780012	2080004	12479976	42.14	47.83	47.88	53.84
15	56000	840012	2240004	13439976	39.19	58.00	57.94	57.72
16	60000	900012	2400004	14399976	41.94	55.52	55.80	60.77
17	64000	960012	2560004	15359976	50.18	63.98	63.72	61.08
18	68000	1020012	2720004	16319976	46.08	63.66	63.74	61.62
19	72000	1080012	2880004	17279976	48.15	67.29	67.33	63.33
20	76000	1140012	3040004	18239976	50.70	75.13	75.09	64.89
21	80000	1200012	3200004	19199976	52.93	75.99	76.12	78.49
22	84000	1260012	3360004	20159976	55.61	75.38	75.31	82.35
23	88000	1320012	3520004	21119976	57.82	85.98	86.28	85.89
24	92000	1380012	3680004	22079976	69.99	87.76	87.71	90.26
25	96000	1440012	3840004	23039976	73.05	93.54	93.55	93.53

26	100000	1500012	4000004	23999976	76.27	97.50	97.62	91.31
27	104000	1560012	4160004	24959976	79.05	101.42	101.08	93.75
28	108000	1620012	4320004	25919976	70.14	91.22	91.24	104.61
29	112000	1680012	4480004	26879976	84.65	101.51	101.41	108.41
30	116000	1740012	4640004	27839976	87.75	98.31	98.32	112.12
31	120000	1800012	4800004	28799976	90.41	116.23	116.39	116.48
32	124000	1860012	4960004	29759976	93.01	112.04	112.24	119.94
33	128000	1920012	5120004	30719976	95.93	111.55	111.61	123.69
34	132000	1980012	5280004	31679976	99.02	127.46	127.71	127.21
35	136000	2040012	5440004	32639976	101.73	131.10	132.30	131.59
36	140000	2100012	5600004	33599976	154.42	129.10	129.23	148.85
37	144000	2160012	5760004	34559976	92.59	166.07	166.17	134.90
38	148000	2220012	5920004	35519976	309.63	200.20	200.21	166.22
39	152000	2280012	6080004	36479976	445.35	236.79	237.63	132.87
40	156000	2340012	6240004	37439976	521.78	276.45	277.82	138.05
41	160000	2400012	6400004	38399976	658.86	194.00	193.95	to
42	164000	2460012	6560004	39359976	525.64	to	to	394.68
43	168000	2520012	6720004	40319976	819.91	to	to	505.42
44	172000	2580012	6880004	41279976	910.97	544.57	545.73	to
45	176000	2640012	7040004	42239976	977.60	701.03	698.30	613.44
46	180000	2700012	7200004	43199976	880.19	976.51	974.61	747.92
47	184000	2760012	7360004	44159976	1084.77	1090.38	1089.74	289.94
48	188000	2820012	7520004	45119976	1081.04	1022.38	1020.05	1176.20
49	192000	2880012	7680004	46079976	1228.82	1218.11	1214.80	1180.15
50	196000	2940012	7840004	47039976	1033.94	1023.78	1024.01	171.55
51	200000	3000012	8000004	47999976	1305.78	1680.10	1681.02	1591.41

Table 381: s_{id}-width5chain-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	57	124	696	0.00	0.00	0.00	0.00
2	4000	60012	160004	959976	89.08	113.69	113.95	110.68
3	8000	120012	320004	1919976	312.57	382.47	394.88	391.14
4	12000	180012	480004	2879976	704.77	872.21	871.91	934.70
5	16000	240012	640004	3839976	1150.59	1494.75	1491.03	1521.92
6	20000	300012	800004	4799976	1675.06	2091.34	2087.76	2070.42
7	24000	360012	960004	5759976	2701.42	to	3580.91	3586.57
8	28000	420012	1120004	6719976		to	to	to

Table 382: s_{id}-width5chain-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	57	124	696	0.00	0.00	0.00	0.00
2	4000	60012	160004	959976	0.22	0.50	0.50	0.47
3	8000	120012	320004	1919976	0.48	1.23	1.24	1.20
4	12000	180012	480004	2879976	0.71	2.00	2.06	2.05
5	16000	240012	640004	3839976	0.95	2.88	2.88	2.93
6	20000	300012	800004	4799976	1.20	3.83	3.85	3.80
7	24000	360012	960004	5759976	1.50	4.73	4.83	4.79
8	28000	420012	1120004	6719976	1.75	5.77	5.75	5.68
9	32000	480012	1280004	7679976	1.96	6.71	6.70	6.71
10	36000	540012	1440004	8639976	2.21	7.66	7.65	7.68
11	40000	600012	1600004	9599976	2.49	8.67	8.63	8.67
12	44000	660012	1760004	10559976	2.69	9.64	9.68	9.62
13	48000	720012	1920004	11519976	2.95	10.69	10.69	10.74
14	52000	780012	2080004	12479976	3.21	11.74	11.77	11.81
15	56000	840012	2240004	13439976	3.46	12.66	12.74	12.77
16	60000	900012	2400004	14399976	3.66	13.71	13.80	13.91
17	64000	960012	2560004	15359976	3.81	14.81	14.92	14.85
18	68000	1020012	2720004	16319976	4.22	15.97	15.87	15.99

19	72000	1080012	2880004	17279976	4.45	16.94	17.03	16.97
20	76000	1140012	3040004	18239976	4.70	17.98	18.11	18.20
21	80000	1200012	3200004	19199976	4.92	19.18	19.12	19.01
22	84000	1260012	3360004	20159976	5.14	20.21	20.09	20.15
23	88000	1320012	3520004	21119976	5.34	21.19	21.28	21.28
24	92000	1380012	3680004	22079976	5.59	22.38	22.25	22.38
25	96000	1440012	3840004	23039976	5.82	23.56	23.32	23.44
26	100000	1500012	4000004	23999976	6.21	24.53	24.45	24.63
27	104000	1560012	4160004	24959976	6.40	25.52	25.68	25.47
28	108000	1620012	4320004	25919976	6.79	26.79	26.76	26.72
29	112000	1680012	4480004	26879976	6.92	27.79	27.81	27.84
30	116000	1740012	4640004	27839976	7.19	28.96	29.04	28.93
31	120000	1800012	4800004	28799976	7.41	30.04	30.11	30.15
32	124000	1860012	4960004	29759976	7.62	31.13	31.14	31.19
33	128000	1920012	5120004	30719976	7.86	32.31	32.24	32.26
34	132000	1980012	5280004	31679976	8.13	33.48	33.54	33.32
35	136000	2040012	5440004	32639976	8.22	34.50	34.48	34.31
36	140000	2100012	5600004	33599976	8.49	35.50	35.51	35.61
37	144000	2160012	5760004	34559976	8.87	36.74	36.72	36.65
38	148000	2220012	5920004	35519976	9.11	37.96	37.77	37.94
39	152000	2280012	6080004	36479976	9.29	38.95	39.04	39.04
40	156000	2340012	6240004	37439976	9.62	40.07	40.39	39.91
41	160000	2400012	6400004	38399976	9.82	41.38	41.45	41.24
42	164000	2460012	6560004	39359976	10.24	42.43	42.53	42.27
43	168000	2520012	6720004	40319976	10.51	43.50	43.57	43.48
44	172000	2580012	6880004	41279976	10.80	44.92	44.66	44.68
45	176000	2640012	7040004	42239976	10.93	45.81	45.77	45.86
46	180000	2700012	7200004	43199976	11.18	46.83	46.95	46.93
47	184000	2760012	7360004	44159976	11.30	48.14	48.17	48.13
48	188000	2820012	7520004	45119976	11.50	49.37	49.35	49.23
49	192000	2880012	7680004	46079976	11.90	50.62	50.57	50.31
50	196000	2940012	7840004	47039976	12.29	51.29	51.72	51.57
51	200000	3000012	8000004	47999976	12.21	52.76	52.66	52.55

Table 383: s_{id}-width5chain-minisatsimp

♯	**par**	**vars**	**clauses**	**literals**	**C**	**R1**	**R2**	**R3**
1	3	57	124	696	0.00	0.00	0.00	0.00
2	4000	60012	160004	959976	to	658.20	657.77	607.43
3	8000	120012	320004	1919976	to	1733.43	2428.77	2346.43
4	12000	180012	480004	2879976		to	to	to

Table 384: s_{id}-width5chain-picosat

9 $xor2$

9.1 bintree

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	6	14	60	0.00	0.00	0.00	0.00
2	2	14	34	164	0.00	0.00	0.00	0.00
3	3	30	74	372	0.00	0.00	0.00	0.00
4	4	62	154	788	0.00	0.00	0.00	0.00
5	5	126	314	1620	0.00	0.00	0.00	0.00
6	6	254	634	3284	0.00	0.00	0.00	0.00
7	7	510	1274	6612	0.01	0.01	0.01	0.00
8	8	1022	2554	13268	0.02	0.02	0.02	0.02
9	9	2046	5114	26580	0.03	0.04	0.04	0.04
10	10	4094	10234	53204	0.08	0.09	0.08	0.09
11	11	8190	20474	106452	0.15	0.17	0.17	0.18
12	12	16382	40954	212948	0.32	0.37	0.37	0.36
13	13	32766	81914	425940	0.64	0.80	0.80	0.81
14	14	65534	163834	851924	1.45	1.78	1.80	1.84
15	15	131070	327674	1703892	2.94	3.84	3.85	3.81
16	16	262142	655354	3407828	5.64	7.96	8.03	7.91
17	17	524286	1310714	6815700	10.23	15.77	15.86	15.88
18	18	1048574	2621434	13631444	18.46	29.95	30.01	29.95
19	19	2097150	5242874	27262932	33.91	58.62	58.59	58.54
20	20	4194302	10485754	54525908	64.62	116.95	116.47	116.00

Table 385: $xor2$-bintree-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	6	14	60	0.00	0.00	0.00	0.00
2	2	14	34	164	0.00	0.00	0.00	0.00
3	3	30	74	372	0.00	0.00	0.00	0.00
4	4	62	154	788	0.00	0.00	0.00	0.00
5	5	126	314	1620	0.00	0.00	0.00	0.00
6	6	254	634	3284	0.00	0.00	0.00	0.00
7	7	510	1274	6612	0.00	0.00	0.00	0.00
8	8	1022	2554	13268	0.01	0.02	0.02	0.02
9	9	2046	5114	26580	0.04	0.06	0.06	0.05
10	10	4094	10234	53204	0.14	0.19	0.20	0.20
11	11	8190	20474	106452	0.46	0.77	0.77	0.80
12	12	16382	40954	212948	1.76	3.24	3.21	3.01
13	13	32766	81914	425940	6.88	13.52	13.39	14.03
14	14	65534	163834	851924	38.72	71.11	72.04	79.72
15	15	131070	327674	1703892	203.80	402.16	401.99	403.43
16	16	262142	655354	3407828	987.32	1966.27	1967.15	1987.04
17	17	524286	1310714	6815700		to	to	to

Table 386: $xor2$-bintree-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	6	14	60	0.00	0.00	0.00	0.00
2	2	14	34	164	0.00	0.00	0.00	0.00
3	3	30	74	372	0.00	0.00	0.00	0.00
4	4	62	154	788	0.00	0.00	0.00	0.00
5	5	126	314	1620	0.00	0.00	0.00	0.00
6	6	254	634	3284	0.00	0.00	0.00	0.00
7	7	510	1274	6612	0.00	0.00	0.00	0.00
8	8	1022	2554	13268	0.00	0.00	0.00	0.00
9	9	2046	5114	26580	0.00	0.01	0.01	0.01

10	10	4094	10234	53204	0.02	0.03	0.03	0.03
11	11	8190	20474	106452	0.01	0.06	0.06	0.06
12	12	16382	40954	212948	0.10	0.14	0.13	0.14
13	13	32766	81914	425940	0.19	0.27	0.29	0.30
14	14	65534	163834	851924	0.42	0.70	0.72	0.71
15	15	131070	327674	1703892	0.86	1.68	1.69	1.66
16	16	262142	655354	3407828	1.72	3.87	3.86	3.91
17	17	524286	1310714	6815700	3.51	8.86	8.83	8.82
18	18	1048574	2621434	13631444	7.16	19.42	19.40	19.46
19	19	2097150	5242874	27262932	14.77	42.13	42.28	42.18
20	20	4194302	10485754	54525908	29.94	90.48	90.76	90.52

Table 387: *xor*2-bintree-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	6	14	60	0.00	0.00	0.00	0.00
2	2	14	34	164	0.00	0.00	0.00	0.00
3	3	30	74	372	0.00	0.00	0.00	0.00
4	4	62	154	788	0.00	0.00	0.00	0.00
5	5	126	314	1620	0.00	0.00	0.00	0.00
6	6	254	634	3284	0.00	0.00	0.00	0.00
7	7	510	1274	6612	0.01	0.01	0.01	0.01
8	8	1022	2554	13268	0.03	0.03	0.03	0.03
9	9	2046	5114	26580	0.08	0.16	0.16	0.15
10	10	4094	10234	53204	0.23	0.60	0.59	0.61
11	11	8190	20474	106452	0.60	2.97	3.00	2.80
12	12	16382	40954	212948	1.41	13.52	13.27	14.71
13	13	32766	81914	425940	4.74	68.92	68.31	70.16
14	14	65534	163834	851924	19.59	348.71	348.29	361.03
15	15	131070	327674	1703892	65.22	1681.60	1680.75	1701.22
16	16	262142	655354	3407828	191.48	to	to	to

Table 388: *xor*2-bintree-picosat

9.2 gtb

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	42	146	836	0.00	0.00	0.00	0.00
2	6	88	318	1852	0.00	0.00	0.00	0.00
3	8	158	586	3444	0.03	0.04	0.04	0.04
4	10	276	1046	6188	0.03	0.04	0.04	0.03
5	12	310	1170	6916	0.04	0.05	0.05	0.05
6	16	526	2010	11924	0.12	0.19	0.18	0.17
7	20	854	3298	19620	0.20	0.24	0.24	0.25
8	24	982	3786	22516	0.21	0.21	0.21	0.22
9	32	1598	6202	36948	0.46	0.55	0.55	0.55
10	40	2470	9642	57524	0.66	0.90	0.90	0.90
11	48	2878	11226	66964	0.93	1.05	1.05	1.04
12	64	4542	17786	106196	1.44	1.74	1.73	2.31
13	80	6782	26650	159252	2.22	2.86	2.86	2.90
14	96	7966	31290	186964	2.92	3.46	3.46	3.50
15	128	12286	48378	289236	4.24	6.37	6.39	5.48
16	160	17886	70586	422228	7.58	9.15	9.15	9.13
17	192	21118	83322	498388	8.98	10.91	10.92	10.71
18	256	31998	126458	756692	23.61	17.58	17.56	29.92
19	320	45694	180858	1082580	22.92	45.04	44.94	49.36
20	384	54142	214266	1282516	45.57	72.73	72.76	82.38
21	512	80894	320506	1918932	110.43	160.64	160.18	198.77
22	640	113790	451322	2702804	121.12	210.71	211.00	213.10
23	768	135166	536058	3210196	192.73	367.62	365.49	282.44

24	1000	198614	788458	4722740	645.71	997.50	999.33	1478.79
25	1024	199678	792570	4747220	616.88	985.89	986.95	1144.79
26	1250	276336	1097846	6577068	479.73	to	to	1198.43
27	1280	277502	1102330	6603732	3356.69	to	to	3159.05
28	1500	327886	1302546	7803268	909.75	to	to	2290.08
29	1536	330238	1311738	7858132	to	to	to	2197.00

Table 389: *xor*2-gtb-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	42	146	836	0.00	0.00	0.00	0.00
2	6	88	318	1852	0.01	0.01	0.01	0.01
3	8	158	586	3444	0.02	0.01	0.01	0.01
4	10	276	1046	6188	0.05	0.07	0.07	0.05
5	12	310	1170	6916	0.03	0.05	0.06	0.05
6	16	526	2010	11924	0.08	0.09	0.09	0.11
7	20	854	3298	19620	0.21	0.45	0.45	0.22
8	24	982	3786	22516	0.21	0.23	0.23	0.19
9	32	1598	6202	36948	0.43	0.31	0.30	0.49
10	40	2470	9642	57524	0.90	0.90	0.91	1.26
11	48	2878	11226	66964	0.73	0.89	0.89	0.70
12	64	4542	17786	106196	1.58	1.85	1.84	1.45
13	80	6782	26650	159252	4.21	3.14	3.12	3.00
14	96	7966	31290	186964	3.44	4.21	4.19	2.76
15	128	12286	48378	289236	7.16	7.08	7.07	6.88
16	160	17886	70586	422228	16.17	18.15	18.02	17.17
17	192	21118	83322	498388	16.83	18.46	18.41	17.33
18	256	31998	126458	756692	42.96	61.34	61.21	40.99
19	320	45694	180858	1082580	80.83	85.15	85.68	98.78
20	384	54142	214266	1282516	99.35	113.25	114.03	112.47
21	512	80894	320506	1918932	275.71	339.82	341.88	298.49
22	640	113790	451322	2702804	658.97	1429.39	1482.22	730.23
23	768	135166	536058	3210196	989.50	1014.45	1011.25	1090.89
24	1000	198614	788458	4722740	2268.47	2581.65	2504.21	2630.10
25	1024	199678	792570	4747220	2845.52	2672.87	3276.55	2679.99
26	1250	276336	1097846	6577068	to	to	to	

Table 390: *xor*2-gtb-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	42	146	836	0.00	0.00	0.00	0.00
2	6	88	318	1852	0.00	0.00	0.00	0.00
3	8	158	586	3444	0.00	0.00	0.00	0.00
4	10	276	1046	6188	0.00	0.00	0.00	0.00
5	12	310	1170	6916	0.00	0.00	0.00	0.00
6	16	526	2010	11924	0.00	0.00	0.00	0.00
7	20	854	3298	19620	0.00	0.01	0.01	0.01
8	24	982	3786	22516	0.01	0.01	0.01	0.01
9	32	1598	6202	36948	0.01	0.02	0.02	0.02
10	40	2470	9642	57524	0.01	0.02	0.03	0.03
11	48	2878	11226	66964	0.03	0.04	0.04	0.04
12	64	4542	17786	106196	0.05	0.06	0.05	0.05
13	80	6782	26650	159252	0.06	0.09	0.09	0.10
14	96	7966	31290	186964	0.09	0.12	0.12	0.11
15	128	12286	48378	289236	0.13	0.19	0.19	0.19
16	160	17886	70586	422228	0.20	0.30	0.29	0.30
17	192	21118	83322	498388	0.22	0.35	0.36	0.35
18	256	31998	126458	756692	0.39	0.56	0.55	0.55
19	320	45694	180858	1082580	0.55	0.85	0.86	0.84
20	384	54142	214266	1282516	0.64	1.07	1.07	1.06

21	512	80894	320506	1918932	1.01	1.75	1.74	1.76
22	640	113790	451322	2702804	1.36	2.67	2.66	2.68
23	768	135166	536058	3210196	1.62	3.26	3.25	3.29
24	1000	198614	788458	4722740	2.46	5.25	5.23	5.27
25	1024	199678	792570	4747220	2.47	5.20	5.27	5.23
26	1250	276336	1097846	6577068	3.32	7.70	7.70	7.67
27	1280	277502	1102330	6603732	3.40	7.97	7.74	7.77
28	1500	327886	1302546	7803268	3.87	9.44	9.60	9.39
29	1536	330238	1311738	7858132	4.11	9.55	9.48	9.53
30	1750	440320	1750782	10490684	5.17	13.29	13.34	13.31
31	2000	480254	1909018	11438100	5.96	14.78	14.74	14.79
32	2048	483326	1921018	11509716	6.25	14.89	14.83	14.88
33	2250	621464	2472358	14816140	7.64	19.78	19.69	19.80
34	2500	661670	2631682	15770084	8.22	21.27	21.21	21.29
35	2560	665086	2644986	15849428	8.48	21.38	21.29	21.35
36	2750	745960	2967342	17782044	9.13	24.38	24.24	24.33
37	3000	786166	3126666	18735988	9.56	25.87	25.75	25.79
38	3072	792574	3151866	18886612	10.08	25.92	26.11	26.04
39	3250	1004176	3997206	23957228	12.16	33.71	33.78	33.84
40	3500	1044110	4155442	24904644	12.44	35.49	35.46	35.33
41	3750	1103296	4390686	26314108	13.40	37.65	37.69	37.78
42	4000	1142558	4546234	27245396	14.61	39.25	39.31	39.30
43	4096	1150974	4579322	27443156	15.25	39.56	39.39	39.70
44	4250	1422008	5662534	33941196	17.76	49.98	50.08	50.06
45	4500	1462214	5821858	34895140	18.27	51.53	51.48	51.47
46	4750	1521128	6056014	36298076	19.20	53.90	53.91	53.93
47	5000	1561334	6215338	37252020	19.71	55.38	55.47	55.44
48	5120	1570814	6252538	37474260	20.46	55.65	55.73	55.99
49	5250	1724048	6864694	41146156	21.28	61.67	61.95	61.77
50	5500	1757998	6998994	41949956	21.90	63.49	63.22	63.36
51	5750	1817184	7234238	43359420	22.54	65.65	65.63	65.62
52	6000	1857118	7392474	44306836	23.01	67.69	67.12	67.11
53	6144	1873918	7458810	44703700	24.56	68.18	67.98	68.04
54	6250	2304504	9180518	55033100	28.68	84.88	85.10	84.93
55	6500	2344710	9339842	55987044	29.08	86.78	86.80	86.77
56	6750	2402952	9571310	57373852	29.81	89.42	89.60	89.26
57	7000	2443158	9730634	58327796	30.25	90.85	90.84	90.82
58	7250	2544432	10134230	60747372	31.75	95.02	94.98	95.10
59	7500	2584366	10292466	61694788	32.32	96.80	96.57	96.71
60	7750	2643552	10527710	63104252	33.87	99.14	99.04	99.11
61	8000	2681214	10676858	63997140	34.88	100.67	100.74	100.87
62	8192	2703358	10764282	64520148	36.77	102.10	101.72	101.63

Table 391: *xor*2-gtb-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	42	146	836	0.00	0.01	0.01	0.00
2	6	88	318	1852	0.01	0.04	0.04	0.05
3	8	158	586	3444	0.04	0.01	0.02	0.57
4	10	276	1046	6188	36.12	0.15	0.16	4.80
5	12	310	1170	6916	8.82	0.38	0.38	1.66
6	16	526	2010	11924		to	to	to

Table 392: *xor*2-gtb-picosat

9.3 pyr10seq

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	522	1844	10728	0.02	0.02	0.01	0.02
2	250	32502	115004	670008	1.60	1.87	1.83	1.87

3	500	65002	230004	1340008	3.55	4.24	4.22	4.25
4	750	97502	345004	2010008	5.13	6.50	6.53	6.48
5	1000	130002	460004	2680008	6.47	8.66	8.73	8.71
6	1250	162502	575004	3350008	8.20	11.03	10.97	11.05
7	1500	195002	690004	4020008	9.78	13.07	13.16	13.03
8	1750	227502	805004	4690008	10.86	15.42	15.53	15.44
9	2000	260002	920004	5360008	11.73	17.04	17.02	16.99
10	2250	292502	1035004	6030008	13.73	19.21	19.20	19.32
11	2500	325002	1150004	6700008	14.36	21.41	21.43	21.38
12	2750	357502	1265004	7370008	15.61	23.66	23.51	23.73
13	3000	390002	1380004	8040008	17.03	25.54	25.59	25.61
14	3250	422502	1495004	8710008	18.17	27.57	27.61	27.55
15	3500	455002	1610004	9380008	19.75	29.59	29.68	29.66
16	3750	487502	1725004	10050008	20.88	31.79	31.55	31.69
17	4000	520002	1840004	10720008	21.91	32.48	32.45	32.43
18	4250	552502	1955004	11390008	22.54	34.50	34.47	34.54
19	4500	585002	2070004	12060008	24.15	36.32	36.46	36.45
20	4750	617502	2185004	12730008	24.62	38.44	38.39	38.31
21	5000	650002	2300004	13400008	26.02	40.44	40.46	40.46
22	5250	682502	2415004	14070008	27.66	42.36	42.46	42.44
23	5500	715002	2530004	14740008	28.99	44.13	44.23	44.22
24	5750	747502	2645004	15410008	29.30	46.11	46.14	46.28
25	6000	780002	2760004	16080008	31.20	48.41	48.68	48.31
26	6250	812502	2875004	16750008	31.95	49.99	49.87	49.98
27	6500	845002	2990004	17420008	33.49	51.95	51.91	51.91
28	6750	877502	3105004	18090008	34.55	53.96	53.94	53.73
29	7000	910002	3220004	18760008	35.41	55.81	56.08	55.87
30	7250	942502	3335004	19430008	37.22	57.79	57.88	57.70
31	7500	975002	3450004	20100008	38.15	59.57	59.83	59.75
32	7750	1007502	3565004	20770008	39.37	61.60	61.58	61.65
33	8000	1040002	3680004	21440008	40.81	63.28	63.23	63.54
34	8250	1072502	3795004	22110008	41.42	65.18	65.27	65.58
35	8500	1105002	3910004	22780008	43.22	67.50	67.66	69.08
36	8750	1137502	4025004	23450008	44.46	70.08	69.68	69.43
37	9000	1170002	4140004	24120008	44.83	71.56	71.75	71.50
38	9250	1202502	4255004	24790008	46.49	73.23	73.30	73.95
39	9500	1235002	4370004	25460008	47.15	76.02	75.57	75.55
40	9750	1267502	4485004	26130008	49.19	77.38	77.26	77.50
41	10000	1300002	4600004	26800008	49.91	79.55	79.37	79.52
42	10250	1332502	4715004	27470008	51.48	81.93	81.39	81.26
43	10500	1365002	4830004	28140008	52.92	83.20	83.31	83.44
44	10750	1397502	4945004	28810008	53.69	85.51	85.12	84.91
45	11000	1430002	5060004	29480008	55.01	87.02	87.23	87.29
46	11250	1462502	5175004	30150008	56.07	89.15	89.11	89.53
47	11500	1495002	5290004	30820008	57.18	91.10	91.26	91.59
48	11750	1527502	5405004	31490008	58.43	93.96	93.46	93.40
49	12000	1560002	5520004	32160008	59.87	95.01	95.06	95.07
50	12250	1592502	5635004	32830008	59.80	97.15	97.02	97.05
51	12500	1625002	5750004	33500008	61.78	98.91	99.09	99.29
52	12750	1657502	5865004	34170008	62.83	101.12	101.64	100.66
53	13000	1690002	5980004	34840008	64.39	102.89	102.91	103.36
54	13250	1722502	6095004	35510008	65.35	105.05	105.01	105.03
55	13500	1755002	6210004	36180008	66.38	107.30	106.94	106.59
56	13750	1787502	6325004	36850008	67.87	108.96	109.34	110.07
57	14000	1820002	6440004	37520008	68.00	111.10	111.14	111.23
58	14250	1852502	6555004	38190008	69.90	112.52	112.81	112.84
59	14500	1885002	6670004	38860008	71.28	115.37	115.31	115.09
60	14750	1917502	6785004	39530008	72.53	117.09	116.68	117.09
61	15000	1950002	6900004	40200008	73.49	118.76	118.88	119.01

Table 393: *xor*2-pyr10seq-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	522	1844	10728	0.04	0.03	0.03	0.03
2	250	32502	115004	670008	21.92	34.29	34.33	35.72
3	500	65002	230004	1340008	100.82	193.64	193.23	182.22
4	750	97502	345004	2010008	317.61	608.91	632.10	556.93
5	1000	130002	460004	2680008	579.60	1040.26	1042.83	1302.07
6	1250	162502	575004	3350008	943.87	1907.68	1906.57	2346.16
7	1500	195002	690004	4020008	1517.02	3453.00	3455.52	2827.43
8	1750	227502	805004	4690008		to	to	to

Table 394: *xor*2-pyr10seq-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	522	1844	10728	0.00	0.00	0.00	0.00
2	250	32502	115004	670008	0.31	0.51	0.49	0.49
3	500	65002	230004	1340008	0.65	1.16	1.15	1.18
4	750	97502	345004	2010008	0.95	1.91	1.89	1.87
5	1000	130002	460004	2680008	1.29	2.71	2.67	2.64
6	1250	162502	575004	3350008	1.62	3.51	3.54	3.55
7	1500	195002	690004	4020008	2.01	4.41	4.42	4.43
8	1750	227502	805004	4690008	2.32	5.34	5.25	5.31
9	2000	260002	920004	5360008	2.62	6.18	6.22	6.22
10	2250	292502	1035004	6030008	2.95	7.16	7.11	7.15
11	2500	325002	1150004	6700008	3.38	8.16	8.06	8.07
12	2750	357502	1265004	7370008	3.68	8.98	9.03	9.03
13	3000	390002	1380004	8040008	3.98	9.98	10.03	10.03
14	3250	422502	1495004	8710008	4.37	10.98	11.01	10.98
15	3500	455002	1610004	9380008	4.79	11.99	11.98	11.93
16	3750	487502	1725004	10050008	4.99	13.10	12.99	12.90
17	4000	520002	1840004	10720008	5.38	13.98	13.82	13.92
18	4250	552502	1955004	11390008	5.72	14.93	14.86	14.78
19	4500	585002	2070004	12060008	6.07	15.98	15.82	15.95
20	4750	617502	2185004	12730008	6.38	16.91	16.96	16.95
21	5000	650002	2300004	13400008	6.82	17.94	17.95	17.83
22	5250	682502	2415004	14070008	7.17	18.96	18.93	19.03
23	5500	715002	2530004	14740008	7.44	20.04	19.95	20.05
24	5750	747502	2645004	15410008	7.83	21.10	20.95	21.01
25	6000	780002	2760004	16080008	8.20	22.21	22.08	22.13
26	6250	812502	2875004	16750008	8.57	23.14	23.07	23.26
27	6500	845002	2990004	17420008	8.92	24.00	24.12	24.14
28	6750	877502	3105004	18090008	9.29	25.23	25.12	25.19
29	7000	910002	3220004	18760008	9.56	26.21	26.27	26.18
30	7250	942502	3335004	19430008	9.88	27.27	27.30	27.29
31	7500	975002	3450004	20100008	10.26	28.17	28.36	28.32
32	7750	1007502	3565004	20770008	10.61	29.32	29.31	29.30
33	8000	1040002	3680004	21440008	10.88	30.33	30.34	30.34
34	8250	1072502	3795004	22110008	11.26	31.48	31.36	31.48
35	8500	1105002	3910004	22780008	11.65	32.66	32.57	32.61
36	8750	1137502	4025004	23450008	12.01	33.66	33.61	33.77
37	9000	1170002	4140004	24120008	12.30	34.64	34.72	34.62
38	9250	1202502	4255004	24790008	12.70	35.73	41.23	35.76
39	9500	1235002	4370004	25460008	13.14	36.97	37.05	36.86
40	9750	1267502	4485004	26130008	13.36	38.03	37.97	38.00
41	10000	1300002	4600004	26800008	13.78	39.10	39.10	39.07
42	10250	1332502	4715004	27470008	14.12	40.35	39.98	40.18
43	10500	1365002	4830004	28140008	14.56	41.33	41.32	41.20
44	10750	1397502	4945004	28810008	14.84	42.43	42.26	42.24
45	11000	1430002	5060004	29480008	15.26	43.51	43.49	43.25
46	11250	1462502	5175004	30150008	15.57	44.61	44.61	44.64
47	11500	1495002	5290004	30820008	15.92	45.78	45.70	45.64
48	11750	1527502	5405004	31490008	16.22	46.81	46.70	46.64

49	12000	1560002	5520004	32160008	16.77	47.82	47.81	47.90
50	12250	1592502	5635004	32830008	17.10	48.93	49.13	49.05
51	12500	1625002	5750004	33500008	17.40	50.14	50.13	50.03
52	12750	1657502	5865004	34170008	17.82	51.21	51.22	51.29
53	13000	1690002	5980004	34840008	18.10	52.29	52.17	52.33
54	13250	1722502	6095004	35510008	18.26	53.39	53.27	53.42
55	13500	1755002	6210004	36180008	18.74	54.49	54.63	54.55
56	13750	1787502	6325004	36850008	18.97	55.82	55.59	55.64
57	14000	1820002	6440004	37520008	19.48	56.80	56.88	56.85
58	14250	1852502	6555004	38190008	19.67	57.79	57.89	57.87
59	14500	1885002	6670004	38860008	20.16	58.78	58.98	58.94
60	14750	1917502	6785004	39530008	20.42	60.23	59.88	60.25
61	15000	1950002	6900004	40200008	20.86	61.00	61.09	61.17

Table 395: *xor*2-pyr10seq-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	522	1844	10728	2.09	0.32	0.32	0.13
2	250	32502	115004	670008	373.43	300.69	260.63	286.59
3	500	65002	230004	1340008	904.44	1323.31	1320.80	1219.51
4	750	97502	345004	2010008	1272.84	2876.46	2875.83	3366.02
5	1000	130002	460004	2680008	1465.28	to	to	to

Table 396: *xor*2-pyr10seq-picosat

9.4 pyr1seq

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	18	44	216	0.00	0.00	0.00	0.00
2	10000	40002	100004	520008	0.88	1.64	1.69	1.58
3	20000	80002	200004	1040008	2.08	3.69	3.75	3.66
4	30000	120002	300004	1560008	2.41	4.38	5.94	6.08
5	40000	160002	400004	2080008	3.29	5.90	5.96	6.93
6	50000	200002	500004	2600008	4.11	7.35	7.62	7.37
7	60000	240002	600004	3120008	4.53	8.68	8.72	8.65
8	70000	280002	700004	3640008	5.77	10.21	10.20	10.27
9	80000	320002	800004	4160008	6.43	11.14	11.14	11.14
10	90000	360002	900004	4680008	7.03	12.74	12.58	12.64
11	100000	400002	1000004	5200008	7.80	14.15	14.07	14.12
12	110000	440002	1100004	5720008	8.74	15.41	15.40	15.53
13	120000	480002	1200004	6240008	9.45	17.05	17.04	16.98
14	130000	520002	1300004	6760008	9.59	18.27	18.33	18.49
15	140000	560002	1400004	7280008	10.97	19.70	19.76	19.67
16	150000	600002	1500004	7800008	11.15	20.74	20.76	20.70
17	160000	640002	1600004	8320008	12.15	22.10	22.15	22.18
18	170000	680002	1700004	8840008	12.67	23.28	23.47	23.21
19	180000	720002	1800004	9360008	13.55	24.52	24.60	24.78
20	190000	760002	1900004	9880008	13.89	25.79	25.90	25.78
21	200000	800002	2000004	10400008	14.60	27.12	27.25	26.97
22	210000	840002	2100004	10920008	15.27	28.51	28.24	28.34
23	220000	880002	2200004	11440008	15.85	29.57	29.32	29.58
24	230000	920002	2300004	11960008	16.49	31.04	30.80	30.68
25	240000	960002	2400004	12480008	17.13	31.92	32.05	32.07
26	250000	1000002	2500004	13000008	17.68	33.25	33.47	33.14
27	260000	1040002	2600004	13520008	17.59	34.58	34.52	34.47
28	270000	1080002	2700004	14040008	19.01	35.61	35.54	35.47
29	280000	1120002	2800004	14560008	19.46	36.94	36.94	37.03
30	290000	1160002	2900004	15080008	20.03	38.39	38.17	38.35
31	300000	1200002	3000004	15600008	20.61	39.65	39.62	39.46
32	310000	1240002	3100004	16120008	21.38	40.82	40.79	40.97

33	320000	1280002	3200004	16640008	22.09	41.94	42.02	42.12
34	330000	1320002	3300004	17160008	22.69	43.55	43.40	43.49
35	340000	1360002	3400004	17680008	22.94	44.42	45.05	44.49
36	350000	1400002	3500004	18200008	24.18	45.98	46.03	46.57
37	360000	1440002	3600004	18720008	24.95	47.32	47.60	47.09
38	370000	1480002	3700004	19240008	25.35	48.41	48.85	48.43
39	380000	1520002	3800004	19760008	25.67	49.70	49.87	49.69
40	390000	1560002	3900004	20280008	26.05	50.70	51.04	50.82
41	400000	1600002	4000004	20800008	27.04	52.26	52.19	52.02
42	410000	1640002	4100004	21320008	26.70	53.53	53.24	53.64
43	420000	1680002	4200004	21840008	28.30	54.85	54.92	54.95
44	430000	1720002	4300004	22360008	28.93	56.10	56.08	56.33
45	440000	1760002	4400004	22880008	29.51	58.04	57.20	57.35
46	450000	1800002	4500004	23400008	29.92	58.68	58.80	58.94
47	460000	1840002	4600004	23920008	30.46	59.70	59.67	59.82
48	470000	1880002	4700004	24440008	30.71	61.82	61.14	61.24
49	480000	1920002	4800004	24960008	32.43	62.59	62.51	62.53
50	490000	1960002	4900004	25480008	31.86	63.62	63.61	63.73
51	500000	2000002	5000004	26000008	33.07	65.18	64.99	69.07

Table 397: *xor*2-pyr1seq-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	18	44	216	0.00	0.00	0.00	0.00
2	10000	40002	100004	520008	16.82	60.88	60.22	48.55
3	20000	80002	200004	1040008	87.85	591.07	745.66	492.51
4	30000	120002	300004	1560008	139.46	1593.40	1589.72	1943.76
5	40000	160002	400004	2080008	307.54	2453.33	2432.04	2574.56
6	50000	200002	500004	2600008	667.30	3295.04	3114.30	to
7	60000	240002	600004	3120008	776.50	to	to	to

Table 398: *xor*2-pyr1seq-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	18	44	216	0.00	0.00	0.00	0.00
2	10000	40002	100004	520008	0.30	0.48	0.53	0.39
3	20000	80002	200004	1040008	0.56	1.28	1.18	1.22
4	30000	120002	300004	1560008	0.70	2.03	2.05	1.96
5	40000	160002	400004	2080008	0.99	2.17	2.05	2.07
6	50000	200002	500004	2600008	1.22	2.75	2.74	2.77
7	60000	240002	600004	3120008	1.45	3.45	3.46	3.38
8	70000	280002	700004	3640008	1.67	4.13	4.25	4.14
9	80000	320002	800004	4160008	1.94	4.79	4.86	4.85
10	90000	360002	900004	4680008	2.22	5.58	5.54	5.50
11	100000	400002	1000004	5200008	2.52	6.32	6.27	6.29
12	110000	440002	1100004	5720008	2.78	7.03	6.97	7.12
13	120000	480002	1200004	6240008	2.92	7.78	7.79	7.79
14	130000	520002	1300004	6760008	3.23	8.48	8.45	8.47
15	140000	560002	1400004	7280008	3.47	9.26	9.23	9.40
16	150000	600002	1500004	7800008	3.73	9.99	10.13	10.11
17	160000	640002	1600004	8320008	3.99	10.83	10.80	10.84
18	170000	680002	1700004	8840008	4.26	11.42	11.80	11.47
19	180000	720002	1800004	9360008	4.55	12.39	12.40	12.38
20	190000	760002	1900004	9880008	4.78	13.15	13.18	14.01
21	200000	800002	2000004	10400008	5.09	13.85	13.96	13.99
22	210000	840002	2100004	10920008	5.30	14.67	14.70	14.68
23	220000	880002	2200004	11440008	5.49	15.57	15.50	15.48
24	230000	920002	2300004	11960008	5.83	16.22	16.27	16.29
25	240000	960002	2400004	12480008	6.08	17.18	17.14	17.07
26	250000	1000002	2500004	13000008	6.31	17.83	17.83	17.99

27	260000	1040002	2600004	13520008	6.65	18.81	18.78	18.68
28	270000	1080002	2700004	14040008	6.89	19.61	19.47	19.50
29	280000	1120002	2800004	14560008	7.14	20.32	20.41	20.23
30	290000	1160002	2900004	15080008	7.36	21.27	21.18	21.23
31	300000	1200002	3000004	15600008	7.59	22.02	21.88	22.08
32	310000	1240002	3100004	16120008	7.97	22.92	22.75	22.84
33	320000	1280002	3200004	16640008	8.14	23.79	23.67	23.70
34	330000	1320002	3300004	17160008	8.42	24.48	24.51	24.40
35	340000	1360002	3400004	17680008	8.70	25.24	25.36	25.12
36	350000	1400002	3500004	18200008	9.01	25.96	26.14	26.16
37	360000	1440002	3600004	18720008	9.23	27.13	27.02	26.87
38	370000	1480002	3700004	19240008	9.45	27.64	27.89	27.81
39	380000	1520002	3800004	19760008	9.74	28.52	28.59	28.65
40	390000	1560002	3900004	20280008	10.01	29.28	29.58	29.26
41	400000	1600002	4000004	20800008	10.20	30.24	30.37	30.20
42	410000	1640002	4100004	21320008	10.42	31.05	31.16	31.28
43	420000	1680002	4200004	21840008	10.90	31.95	32.07	32.05
44	430000	1720002	4300004	22360008	11.01	32.88	32.71	32.80
45	440000	1760002	4400004	22880008	11.38	33.73	33.59	33.74
46	450000	1800002	4500004	23400008	11.70	34.56	34.49	34.62
47	460000	1840002	4600004	23920008	11.85	35.40	35.44	35.31
48	470000	1880002	4700004	24440008	12.13	36.22	36.12	36.19
49	480000	1920002	4800004	24960008	12.38	37.13	37.15	37.18
50	490000	1960002	4900004	25480008	12.66	37.94	38.02	37.81
51	500000	2000002	5000004	26000008	12.92	38.80	38.73	39.15

Table 399: *xor*2-pyr1seq-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	18	44	216	0.00	0.00	0.00	0.00
2	10000	40002	100004	520008	54.95	234.85	279.14	363.88
3	20000	80002	200004	1040008	131.72	1917.42	1903.52	1807.87
4	30000	120002	300004	1560008	120.93	3374.65	mo	mo
5	40000	160002	400004	2080008	200.09	to	to	mo

Table 400: *xor*2-pyr1seq-picosat

9.5 pyr3seq

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	74	220	1208	0.00	0.00	0.00	0.00
2	2500	45002	135004	750008	1.31	1.58	1.59	1.58
3	5000	90002	270004	1500008	2.75	3.74	3.72	3.70
4	7500	135002	405004	2250008	3.89	5.49	5.50	5.62
5	10000	180002	540004	3000008	5.26	7.44	7.40	7.36
6	12500	225002	675004	3750008	6.22	9.05	9.02	9.30
7	15000	270002	810004	4500008	7.05	11.00	11.06	11.71
8	17500	315002	945004	5250008	8.17	14.18	14.26	13.39
9	20000	360002	1080004	6000008	8.61	14.22	14.14	15.70
10	22500	405002	1215004	6750008	9.72	15.86	15.85	15.92
11	25000	450002	1350004	7500008	10.41	17.94	17.90	17.60
12	27500	495002	1485004	8250008	11.69	19.13	19.11	19.17
13	30000	540002	1620004	9000008	12.84	20.70	20.74	20.74
14	32500	585002	1755004	9750008	13.19	22.16	22.21	22.22
15	35000	630002	1890004	10500008	14.35	25.48	25.56	23.73
16	37500	675002	2025004	11250008	15.28	27.49	27.42	25.31
17	40000	720002	2160004	12000008	16.34	26.69	26.74	27.00
18	42500	765002	2295004	12750008	16.58	28.46	28.52	28.43
19	45000	810002	2430004	13500008	17.20	29.92	29.92	30.13
20	47500	855002	2565004	14250008	18.43	32.34	32.37	31.45

21	50000	900002	2700004	15000008	18.96	33.13	33.21	33.07
22	52500	945002	2835004	15750008	20.19	34.70	34.62	34.55
23	55000	990002	2970004	16500008	20.64	36.34	36.35	36.06
24	57500	1035002	3105004	17250008	21.73	37.70	37.52	37.72
25	60000	1080002	3240004	18000008	22.46	39.31	39.27	39.37
26	62500	1125002	3375004	18750008	22.94	41.11	41.12	40.95
27	65000	1170002	3510004	19500008	23.51	42.59	42.66	42.42
28	67500	1215002	3645004	20250008	25.07	44.09	44.18	44.16
29	70000	1260002	3780004	21000008	25.82	45.80	45.76	45.60
30	72500	1305002	3915004	21750008	26.71	47.51	47.22	53.72
31	75000	1350002	4050004	22500008	27.61	48.62	48.53	48.81
32	77500	1395002	4185004	23250008	28.31	50.72	50.96	50.78
33	80000	1440002	4320004	24000008	29.07	58.46	58.13	52.22
34	82500	1485002	4455004	24750008	29.97	53.39	53.37	54.15
35	85000	1530002	4590004	25500008	30.57	55.21	55.43	55.25
36	87500	1575002	4725004	26250008	31.27	56.76	56.75	56.70
37	90000	1620002	4860004	27000008	32.06	58.57	58.61	62.10
38	92500	1665002	4995004	27750008	33.09	59.96	59.95	60.17
39	95000	1710002	5130004	28500008	33.84	61.83	61.69	61.62
40	97500	1755002	5265004	29250008	34.60	63.32	63.29	63.33
41	100000	1800002	5400004	30000008	35.10	64.82	64.85	65.18

Table 401: *xor*2-pyr3seq-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	74	220	1208	0.00	0.00	0.00	0.00
2	2500	45002	135004	750008	23.97	76.57	77.35	67.98
3	5000	90002	270004	1500008	166.17	379.78	378.41	521.22
4	7500	135002	405004	2250008	359.96	1260.32	1260.16	1363.76
5	10000	180002	540004	3000008	628.44	2115.35	2115.68	2418.74
6	12500	225002	675004	3750008		to	to	to

Table 402: *xor*2-pyr3seq-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	74	220	1208	0.00	0.00	0.00	0.00
2	2500	45002	135004	750008	0.33	0.59	0.59	0.58
3	5000	90002	270004	1500008	0.71	1.35	1.36	1.38
4	7500	135002	405004	2250008	1.09	2.28	2.30	2.26
5	10000	180002	540004	3000008	1.48	3.21	3.23	3.19
6	12500	225002	675004	3750008	1.90	4.20	4.17	4.23
7	15000	270002	810004	4500008	2.17	5.21	5.14	5.22
8	17500	315002	945004	5250008	2.62	6.27	6.24	6.27
9	20000	360002	1080004	6000008	2.99	7.32	7.32	7.30
10	22500	405002	1215004	6750008	3.38	8.42	8.44	8.37
11	25000	450002	1350004	7500008	3.79	9.50	9.47	9.44
12	27500	495002	1485004	8250008	4.22	10.62	10.64	10.55
13	30000	540002	1620004	9000008	4.51	11.68	11.77	11.71
14	32500	585002	1755004	9750008	5.07	12.78	12.81	12.85
15	35000	630002	1890004	10500008	5.29	14.06	13.91	13.93
16	37500	675002	2025004	11250008	5.76	15.12	15.11	15.12
17	40000	720002	2160004	12000008	6.15	16.24	16.29	16.33
18	42500	765002	2295004	12750008	6.53	17.42	17.41	17.45
19	45000	810002	2430004	13500008	6.94	18.53	18.61	18.56
20	47500	855002	2565004	14250008	7.34	19.76	19.75	19.78
21	50000	900002	2700004	15000008	7.64	20.76	20.87	20.85
22	52500	945002	2835004	15750008	8.07	22.16	22.07	22.07
23	55000	990002	2970004	16500008	8.48	23.21	23.11	23.27
24	57500	1035002	3105004	17250008	8.92	24.34	24.48	24.46
25	60000	1080002	3240004	18000008	9.29	25.59	25.55	25.58

26	62500	1125002	3375004	18750008	9.92	26.90	26.76	26.72
27	65000	1170002	3510004	19500008	10.26	28.12	28.17	28.01
28	67500	1215002	3645004	20250008	10.59	29.30	29.24	29.43
29	70000	1260002	3780004	21000008	11.04	30.53	30.57	30.49
30	72500	1305002	3915004	21750008	11.36	31.72	31.61	31.75
31	75000	1350002	4050004	22500008	11.70	32.95	32.96	32.92
32	77500	1395002	4185004	23250008	12.11	34.22	34.21	34.15
33	80000	1440002	4320004	24000008	12.65	35.31	35.49	35.55
34	82500	1485002	4455004	24750008	12.99	36.70	36.73	36.69
35	85000	1530002	4590004	25500008	13.47	37.86	38.03	37.93
36	87500	1575002	4725004	26250008	13.80	39.42	39.09	39.34
37	90000	1620002	4860004	27000008	14.09	40.49	40.40	40.75
38	92500	1665002	4995004	27750008	14.44	41.68	41.71	41.66
39	95000	1710002	5130004	28500008	14.90	42.82	42.61	43.04
40	97500	1755002	5265004	29250008	15.36	44.14	44.12	44.01
41	100000	1800002	5400004	30000008	15.84	45.35	45.40	45.49

Table 403: *xor*2-pyr3seq-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	74	220	1208	0.00	0.00	0.00	0.00
2	2500	45002	135004	750008	22.85	351.94	399.35	449.24
3	5000	90002	270004	1500008	53.27	1469.03	1431.58	1886.06
4	7500	135002	405004	2250008		to	to	to

Table 404: *xor*2-pyr3seq-picosat

9.6 pyr5seq

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	162	524	2968	0.00	0.00	0.00	0.00
2	1000	40002	130004	740008	1.73	2.04	2.05	2.02
3	2000	80002	260004	1480008	3.83	4.63	4.64	4.60
4	3000	120002	390004	2220008	5.39	7.00	7.02	6.95
5	4000	160002	520004	2960008	6.90	9.36	9.34	9.36
6	5000	200002	650004	3700008	8.38	12.07	12.02	12.07
7	6000	240002	780004	4440008	9.69	14.48	14.48	14.47
8	7000	280002	910004	5180008	11.30	17.41	17.15	17.29
9	8000	320002	1040004	5920008	13.00	20.09	19.98	20.04
10	9000	360002	1170004	6660008	14.99	22.53	22.66	22.51
11	10000	400002	1300004	7400008	16.32	24.48	24.47	24.67
12	11000	440002	1430004	8140008	17.43	26.78	26.82	26.81
13	12000	480002	1560004	8880008	19.60	29.39	29.38	29.20
14	13000	520002	1690004	9620008	19.93	31.54	31.52	31.51
15	14000	560002	1820004	10360008	22.48	33.95	33.93	33.88
16	15000	600002	1950004	11100008	26.75	36.24	36.51	36.27
17	16000	640002	2080004	11840008	25.87	38.65	38.70	38.67
18	17000	680002	2210004	12580008	29.97	41.09	41.01	41.18
19	18000	720002	2340004	13320008	27.32	43.33	43.28	43.31
20	19000	760002	2470004	14060008	29.53	45.68	45.68	45.67
21	20000	800002	2600004	14800008	30.01	48.14	48.03	48.14
22	21000	840002	2730004	15540008	36.26	50.35	50.36	50.46
23	22000	880002	2860004	16280008	34.12	52.61	52.64	52.55
24	23000	920002	2990004	17020008	36.01	55.06	54.97	55.05
25	24000	960002	3120004	17760008	36.70	57.41	57.39	57.18
26	25000	1000002	3250004	18500008	38.30	59.75	59.70	59.72
27	26000	1040002	3380004	19240008	38.52	62.12	62.15	62.34
28	27000	1080002	3510004	19980008	45.97	64.27	64.24	64.32
29	28000	1120002	3640004	20720008	47.72	66.47	67.02	66.97
30	29000	1160002	3770004	21460008	49.34	69.33	68.98	69.36

31	30000	1200002	3900004	22200008	50.45	71.46	71.60	71.55
32	31000	1240002	4030004	22940008	52.18	73.78	73.98	73.84
33	32000	1280002	4160004	23680008	53.86	76.21	76.45	76.56
34	33000	1320002	4290004	24420008	49.08	78.51	78.24	78.63
35	34000	1360002	4420004	25160008	56.14	80.78	80.77	80.64
36	35000	1400002	4550004	25900008	58.11	83.28	83.47	83.27
37	36000	1440002	4680004	26640008	60.27	85.55	85.61	85.74
38	37000	1480002	4810004	27380008	55.41	88.30	88.42	88.61
39	38000	1520002	4940004	28120008	56.48	90.29	90.48	90.60
40	39000	1560002	5070004	28860008	65.37	92.73	92.58	92.87
41	40000	1600002	5200004	29600008	66.76	95.25	95.52	95.07
42	41000	1640002	5330004	30340008	68.04	97.65	97.50	97.36
43	42000	1680002	5460004	31080008	69.65	99.58	99.75	99.84
44	43000	1720002	5590004	31820008	71.93	102.14	102.14	102.11
45	44000	1760002	5720004	32560008	73.07	104.76	104.65	104.65
46	45000	1800002	5850004	33300008	74.47	106.77	106.83	106.88
47	46000	1840002	5980004	34040008	68.42	109.46	109.45	109.56
48	47000	1880002	6110004	34780008	76.84	111.85	111.73	112.02
49	48000	1920002	6240004	35520008	70.75	114.17	114.18	114.36
50	49000	1960002	6370004	36260008	72.05	116.43	116.58	116.98
51	50000	2000002	6500004	37000008	82.38	118.78	118.90	118.80

Table 405: *xor*2-pyr5seq-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	162	524	2968	0.00	0.00	0.00	0.00
2	1000	40002	130004	740008	26.52	54.09	53.89	54.56
3	2000	80002	260004	1480008	192.27	239.14	239.15	249.57
4	3000	120002	390004	2220008	313.66	940.45	950.28	726.81
5	4000	160002	520004	2960008	620.15	2177.14	2176.98	1884.04
6	5000	200002	650004	3700008	1053.66	2888.41	2881.11	3037.88
7	6000	240002	780004	4440008	1852.50	to	to	to

Table 406: *xor*2-pyr5seq-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	162	524	2968	0.00	0.00	0.00	0.00
2	1000	40002	130004	740008	0.35	0.58	0.56	0.56
3	2000	80002	260004	1480008	0.71	1.32	1.33	1.34
4	3000	120002	390004	2220008	1.09	2.20	2.20	2.16
5	4000	160002	520004	2960008	1.45	3.08	3.07	3.08
6	5000	200002	650004	3700008	1.78	4.09	4.02	4.09
7	6000	240002	780004	4440008	2.22	5.07	5.05	5.08
8	7000	280002	910004	5180008	2.59	6.02	6.07	6.01
9	8000	320002	1040004	5920008	3.00	7.08	7.11	7.11
10	9000	360002	1170004	6660008	3.44	8.11	8.16	8.14
11	10000	400002	1300004	7400008	3.73	9.20	9.08	9.47
12	11000	440002	1430004	8140008	4.17	10.28	10.33	10.29
13	12000	480002	1560004	8880008	4.49	11.30	11.35	11.34
14	13000	520002	1690004	9620008	4.94	12.51	12.45	12.43
15	14000	560002	1820004	10360008	5.26	13.55	13.49	13.65
16	15000	600002	1950004	11100008	5.59	14.69	14.67	14.73
17	16000	640002	2080004	11840008	5.89	15.78	15.81	15.78
18	17000	680002	2210004	12580008	6.43	16.93	16.83	16.98
19	18000	720002	2340004	13320008	6.86	18.14	18.06	18.09
20	19000	760002	2470004	14060008	7.26	19.25	19.30	19.24
21	20000	800002	2600004	14800008	7.56	20.33	20.38	20.33
22	21000	840002	2730004	15540008	7.90	21.49	21.51	21.38
23	22000	880002	2860004	16280008	8.29	22.62	22.72	22.62
24	23000	920002	2990004	17020008	8.81	23.82	23.79	23.68

25	24000	960002	3120004	17760008	9.12	25.06	24.98	24.83
26	25000	1000002	3250004	18500008	9.46	26.16	26.06	26.14
27	26000	1040002	3380004	19240008	9.88	27.29	27.16	27.23
28	27000	1080002	3510004	19980008	10.34	28.50	28.42	28.43
29	28000	1120002	3640004	20720008	10.81	29.51	29.72	29.63
30	29000	1160002	3770004	21460008	11.08	30.79	30.72	30.83
31	30000	1200002	3900004	22200008	11.48	32.13	31.90	32.15
32	31000	1240002	4030004	22940008	11.96	33.29	33.19	33.21
33	32000	1280002	4160004	23680008	12.28	34.42	34.45	34.37
34	33000	1320002	4290004	24420008	12.67	35.75	35.59	35.74
35	34000	1360002	4420004	25160008	13.10	37.04	36.93	36.86
36	35000	1400002	4550004	25900008	13.57	38.15	38.14	37.94
37	36000	1440002	4680004	26640008	14.31	39.42	39.30	39.35
38	37000	1480002	4810004	27380008	14.38	40.75	40.61	40.45
39	38000	1520002	4940004	28120008	14.82	41.74	41.85	41.89
40	39000	1560002	5070004	28860008	15.14	43.17	43.02	43.06
41	40000	1600002	5200004	29600008	15.49	44.25	44.48	44.31
42	41000	1640002	5330004	30340008	15.92	45.54	45.50	45.47
43	42000	1680002	5460004	31080008	16.22	46.72	46.56	46.91
44	43000	1720002	5590004	31820008	16.76	47.90	47.89	48.06
45	44000	1760002	5720004	32560008	17.06	49.14	49.14	49.30
46	45000	1800002	5850004	33300008	17.42	50.58	50.45	50.17
47	46000	1840002	5980004	34040008	17.91	51.75	51.78	51.59
48	47000	1880002	6110004	34780008	18.48	52.90	52.88	52.87
49	48000	1920002	6240004	35520008	18.78	53.98	54.15	54.03
50	49000	1960002	6370004	36260008	19.04	55.36	55.16	55.37
51	50000	2000002	6500004	37000008	19.36	56.39	56.22	56.32

Table 407: *xor*2-pyr5seq-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	162	524	2968	0.00	0.00	0.00	0.00
2	1000	40002	130004	740008	78.32	301.89	301.83	316.64
3	2000	80002	260004	1480008	172.42	1655.27	1662.55	1644.45
4	3000	120002	390004	2220008	293.47	to	to	3376.91
5	4000	160002	520004	2960008	284.10	to	to	to

Table 408: *xor*2-pyr5seq-picosat

9.7 pyramid

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	12	32	160	0.00	0.00	0.00	0.00
2	4	30	92	504	0.00	0.00	0.00	0.00
3	6	56	184	1040	0.00	0.00	0.00	0.00
4	8	90	308	1768	0.00	0.00	0.00	0.00
5	10	132	464	2688	0.01	0.01	0.01	0.01
6	12	182	652	3800	0.01	0.01	0.00	0.01
7	14	240	872	5104	0.01	0.01	0.01	0.01
8	16	306	1124	6600	0.01	0.01	0.01	0.02
9	18	380	1408	8288	0.01	0.01	0.01	0.01
10	20	462	1724	10168	0.02	0.02	0.02	0.02
11	22	552	2072	12240	0.03	0.02	0.02	0.02
12	24	650	2452	14504	0.03	0.02	0.02	0.05
13	26	756	2864	16960	0.05	0.03	0.03	0.03
14	28	870	3308	19608	0.06	0.05	0.06	0.04
15	30	992	3784	22448	0.04	0.05	0.05	0.07
16	32	1122	4292	25480	0.05	0.05	0.05	0.05
17	34	1260	4832	28704	0.10	0.06	0.06	0.06
18	36	1406	5404	32120	0.12	0.07	0.07	0.07

19	38	1560	6008	35728	0.12	0.07	0.06	0.06
20	40	1722	6644	39528	0.14	0.08	0.08	0.08
21	42	1892	7312	43520	0.08	0.09	0.09	0.09
22	44	2070	8012	47704	0.18	0.09	0.09	0.18
23	46	2256	8744	52080	0.19	0.11	0.20	0.10
24	48	2450	9508	56648	0.21	0.20	0.21	0.20
25	50	2652	10304	61408	0.22	0.21	0.12	0.20
26	52	2862	11132	66360	0.24	0.24	0.15	0.13
27	54	3080	11992	71504	0.25	0.16	0.16	0.14
28	56	3306	12884	76840	0.28	0.16	0.26	0.17
29	58	3540	13808	82368	0.17	0.31	0.18	0.17
30	60	3782	14764	88088	0.30	0.19	0.19	0.19
31	62	4032	15752	94000	0.34	0.21	0.21	0.20
32	64	4290	16772	100104	0.32	0.45	0.22	0.37
33	66	4556	17824	106400	0.39	0.39	0.22	0.39
34	68	4830	18908	112888	0.30	0.41	0.41	0.24
35	70	5112	20024	119568	0.41	0.45	0.27	0.27
36	72	5402	21172	126440	0.46	0.27	0.45	0.27
37	74	5700	22352	133504	0.48	0.30	0.50	0.30
38	76	6006	23564	140760	0.26	0.52	0.32	0.51
39	78	6320	24808	148208	0.53	0.33	0.57	0.33
40	80	6642	26084	155848	0.53	0.53	0.35	0.35
41	82	6972	27392	163680	0.33	0.37	0.62	0.57
42	84	7310	28732	171704	0.54	0.39	0.39	0.39
43	86	7656	30104	179920	0.61	0.41	0.40	0.40
44	88	8010	31508	188328	0.40	0.41	0.69	0.43
45	90	8372	32944	196928	0.60	0.43	0.44	0.48
46	92	8742	34412	205720	0.73	0.79	0.78	0.52
47	94	9120	35912	214704	0.72	0.51	0.63	0.67
48	96	9506	37444	223880	0.80	0.72	0.48	0.74
49	98	9900	39008	233248	0.70	0.73	0.78	0.57
50	100	10302	40604	242808	0.84	0.62	0.53	0.55
51	105	11342	44734	267548	0.76	0.59	0.62	0.61
52	110	12432	49064	293488	0.83	0.64	0.67	0.69
53	115	13572	53594	320628	0.66	0.92	0.72	0.74
54	120	14762	58324	348968	1.04	0.85	0.81	0.81
55	125	16002	63254	378508	1.11	1.06	0.88	0.87
56	130	17292	68384	409248	1.26	0.94	1.29	0.93
57	135	18632	73714	441188	1.32	1.23	1.04	1.05
58	140	20022	79244	474328	1.05	1.11	1.40	1.11
59	145	21462	84974	508668	1.48	1.24	1.25	1.51
60	150	22952	90904	544208	1.22	1.36	1.34	1.52
61	155	24492	97034	580948	1.29	1.46	1.46	1.46
62	160	26082	103364	618888	1.42	1.88	1.90	1.72
63	165	27722	109894	658028	1.69	1.94	1.96	1.70
64	170	29412	116624	698368	1.79	2.10	1.80	2.00
65	175	31152	123554	739908	2.04	2.10	2.00	2.24
66	180	32942	130684	782648	2.04	2.40	2.40	2.05
67	185	34782	138014	826588	2.31	2.46	2.52	2.54
68	190	36672	145544	871728	2.00	2.40	2.41	2.68
69	195	38612	153274	918068	2.51	2.79	2.90	2.86
70	200	40602	161204	965608	2.71	2.85	2.76	2.75
71	205	42642	169334	1014348	2.59	2.94	2.92	3.13
72	210	44732	177664	1064288	2.79	3.41	3.08	3.35
73	215	46872	186194	1115428	3.00	3.58	3.54	3.49
74	220	49062	194924	1167768	3.21	3.49	3.74	3.72
75	225	51302	203854	1221308	3.35	4.00	3.97	3.87
76	230	53592	212984	1276048	3.51	4.59	4.17	4.22
77	235	55932	222314	1331988	3.53	4.44	4.61	4.16
78	240	58322	231844	1389128	3.34	4.39	4.40	4.54
79	245	60762	241574	1447468	3.58	5.26	4.49	4.44
80	250	63252	251504	1507008	3.96	4.72	4.70	4.70

81	255	65792	261634	1567748	3.81	4.81	4.82	4.88
82	260	68382	271964	1629688	3.96	5.30	5.11	5.03
83	265	71022	282494	1692828	4.29	5.30	5.49	5.24
84	270	73712	293224	1757168	4.22	5.51	5.74	5.85
85	275	76452	304154	1822708	4.74	5.69	5.72	5.74
86	280	79242	315284	1889448	4.89	6.11	6.13	5.96
87	285	82082	326614	1957388	4.70	6.13	6.09	6.21
88	290	84972	338144	2026528	4.89	6.24	6.23	6.32
89	295	87912	349874	2096868	5.02	6.67	6.71	6.63
90	300	90902	361804	2168408	5.14	6.85	6.82	6.80
91	305	93942	373934	2241148	5.28	7.12	7.13	6.97
92	310	97032	386264	2315088	5.35	7.28	7.44	7.33
93	315	100172	398794	2390228	5.57	7.65	7.62	7.62
94	320	103362	411524	2466568	5.78	7.88	7.83	7.84
95	325	106602	424454	2544108	5.90	8.12	8.13	8.11
96	330	109892	437584	2622848	6.16	8.41	8.44	8.38
97	335	113232	450914	2702788	6.31	8.58	8.63	8.52
98	340	116622	464444	2783928	6.44	8.97	8.93	8.92
99	345	120062	478174	2866268	6.52	9.21	9.21	9.34
100	350	123552	492104	2949808	6.73	9.48	9.49	9.55
101	355	127092	506234	3034548	6.99	9.84	9.80	9.72
102	360	130682	520564	3120488	7.06	10.14	10.11	10.13
103	365	134322	535094	3207628	7.33	10.47	10.48	10.48
104	370	138012	549824	3295968	7.60	10.75	10.74	10.67
105	375	141752	564754	3385508	7.78	11.14	11.14	11.00
106	380	145542	579884	3476248	7.81	11.35	11.39	11.25
107	385	149382	595214	3568188	7.96	11.53	11.53	11.61
108	390	153272	610744	3661328	8.42	12.11	12.11	11.99
109	395	157212	626474	3755668	8.53	12.23	12.28	12.31
110	400	161202	642404	3851208	8.74	12.68	12.69	12.63
111	405	165242	658534	3947948	8.86	13.05	13.18	12.93
112	410	169332	674864	4045888	8.87	13.30	13.32	13.45
113	415	173472	691394	4145028	9.25	13.76	13.78	13.91
114	420	177662	708124	4245368	9.55	13.90	13.94	13.98
115	425	181902	725054	4346908	9.52	14.35	14.37	14.44
116	430	186192	742184	4449648	9.98	14.86	14.86	14.89
117	435	190532	759514	4553588	9.94	15.13	15.31	15.19
118	440	194922	777044	4658728	10.26	15.48	15.51	15.41
119	445	199362	794774	4765068	10.42	15.82	15.84	15.77
120	450	203852	812704	4872608	10.71	16.11	16.15	16.28
121	455	208392	830834	4981348	10.72	16.67	16.34	16.32
122	460	212982	849164	5091288	11.05	16.70	16.70	16.60
123	465	217622	867694	5202428	11.08	16.97	16.91	16.79
124	470	222312	886424	5314768	11.31	17.43	17.38	17.28
125	475	227052	905354	5428308	11.46	17.75	17.81	17.74
126	480	231842	924484	5543048	11.58	18.18	17.86	18.09
127	485	236682	943814	5658988	11.74	18.53	18.54	18.73
128	490	241572	963344	5776128	11.98	19.09	18.87	18.76
129	495	246512	983074	5894468	11.83	19.42	18.92	19.48
130	500	251502	1003004	6014008	12.42	19.48	19.50	19.49
131	525	277202	1105654	6629708	13.16	21.05	20.64	20.69
132	550	304152	1213304	7275408	13.33	22.51	22.99	22.59
133	575	332352	1325954	7951108	14.89	24.80	24.72	24.87
134	600	361802	1443604	8656808	16.32	26.83	27.05	26.70
135	625	392502	1566254	9392508	17.25	29.07	29.08	28.82
136	650	424452	1693904	10158208	17.75	30.00	29.85	29.89
137	675	457652	1826554	10953908	18.98	32.39	32.27	32.43
138	700	492102	1964204	11779608	20.15	34.50	34.41	34.48
139	725	527802	2106854	12635308	21.42	37.05	37.28	36.86
140	750	564752	2254504	13521008	22.49	39.08	39.08	39.36
141	775	602952	2407154	14436708	24.00	42.10	42.15	42.06
142	800	642402	2564804	15382408	25.05	44.81	44.53	44.60

143	825	683102	2727454	16358108	26.21	47.09	47.04	46.96
144	850	725052	2895104	17363808	28.16	49.91	49.89	50.02
145	875	768252	3067754	18399508	29.14	52.39	52.47	52.56
146	900	812702	3245404	19465208	31.08	55.88	55.89	55.79
147	925	858402	3428054	20560908	31.13	56.81	56.55	56.39
148	950	905352	3615704	21686608	32.66	59.18	59.61	59.53
149	975	953552	3808354	22842308	33.83	62.59	62.40	62.70
150	1000	1003002	4006004	24028008	35.76	65.75	65.72	65.66

Table 409: *xor*2-pyramid-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	12	32	160	0.00	0.00	0.00	0.00
2	4	30	92	504	0.00	0.00	0.00	0.00
3	6	56	184	1040	0.00	0.00	0.00	0.00
4	8	90	308	1768	0.01	0.00	0.00	0.00
5	10	132	464	2688	0.01	0.01	0.01	0.01
6	12	182	652	3800	0.02	0.02	0.02	0.02
7	14	240	872	5104	0.02	0.01	0.02	0.01
8	16	306	1124	6600	0.05	0.02	0.02	0.03
9	18	380	1408	8288	0.04	0.03	0.03	0.05
10	20	462	1724	10168	0.05	0.06	0.08	0.05
11	22	552	2072	12240	0.07	0.05	0.07	0.07
12	24	650	2452	14504	0.08	0.14	0.15	0.08
13	26	756	2864	16960	0.09	0.09	0.15	0.09
14	28	870	3308	19608	0.17	0.19	0.19	0.20
15	30	992	3784	22448	0.18	0.27	0.15	0.24
16	32	1122	4292	25480	0.17	0.18	0.18	0.16
17	34	1260	4832	28704	0.21	0.22	0.39	0.21
18	36	1406	5404	32120	0.21	0.30	0.27	0.49
19	38	1560	6008	35728	0.28	0.29	0.29	0.43
20	40	1722	6644	39528	0.29	0.48	0.34	0.31
21	42	1892	7312	43520	0.33	0.37	0.38	0.47
22	44	2070	8012	47704	0.48	0.64	0.43	0.80
23	46	2256	8744	52080	0.70	0.88	0.91	0.81
24	48	2450	9508	56648	0.96	0.83	0.82	0.82
25	50	2652	10304	61408	0.61	0.88	0.91	0.74
26	52	2862	11132	66360	1.01	0.86	0.64	0.88
27	54	3080	11992	71504	0.75	1.04	0.80	1.12
28	56	3306	12884	76840	1.04	0.83	1.16	1.19
29	58	3540	13808	82368	0.87	0.96	1.08	1.02
30	60	3782	14764	88088	1.30	1.40	1.31	1.22
31	62	4032	15752	94000	1.26	1.53	1.43	1.28
32	64	4290	16772	100104	1.41	1.51	1.49	1.71
33	66	4556	17824	106400	1.30	1.77	1.85	1.86
34	68	4830	18908	112888	1.67	1.83	1.72	1.88
35	70	5112	20024	119568	1.66	1.87	1.67	2.22
36	72	5402	21172	126440	1.77	1.84	2.07	2.27
37	74	5700	22352	133504	1.85	2.17	1.93	2.09
38	76	6006	23564	140760	2.45	2.44	2.13	2.18
39	78	6320	24808	148208	2.38	2.38	2.74	2.58
40	80	6642	26084	155848	2.52	2.65	2.50	2.63
41	82	6972	27392	163680	2.68	2.48	2.45	2.94
42	84	7310	28732	171704	2.70	2.85	3.13	2.71
43	86	7656	30104	179920	2.82	4.45	4.37	3.00
44	88	8010	31508	188328	3.26	3.48	3.69	3.25
45	90	8372	32944	196928	4.04	4.54	4.20	4.38
46	92	8742	34412	205720	3.98	4.12	4.28	4.53
47	94	9120	35912	214704	4.45	4.66	4.53	4.69
48	96	9506	37444	223880	4.66	4.87	4.69	4.82
49	98	9900	39008	233248	4.76	5.21	5.30	4.81

50	100	10302	40604	242808	5.17	5.15	5.51	5.74
51	105	11342	44734	267548	5.69	6.29	6.27	6.10
52	110	12432	49064	293488	6.83	7.31	6.99	7.64
53	115	13572	53594	320628	7.60	8.53	8.90	8.34
54	120	14762	58324	348968	8.94	8.74	8.83	9.76
55	125	16002	63254	378508	10.45	10.29	10.43	10.35
56	130	17292	68384	409248	11.60	13.93	14.18	12.73
57	135	18632	73714	441188	14.88	16.79	16.65	16.97
58	140	20022	79244	474328	16.28	17.78	17.66	17.45
59	145	21462	84974	508668	19.63	19.81	19.79	19.82
60	150	22952	90904	544208	20.17	21.04	21.09	22.03
61	155	24492	97034	580948	24.32	25.02	25.35	24.08
62	160	26082	103364	618888	26.28	31.36	31.25	28.43
63	165	27722	109894	658028	29.87	31.71	31.78	31.08
64	170	29412	116624	698368	34.62	36.80	36.29	37.47
65	175	31152	123554	739908	36.67	40.63	40.46	40.13
66	180	32942	130684	782648	40.68	50.20	49.95	44.03
67	185	34782	138014	826588	49.54	57.53	57.55	57.76
68	190	36672	145544	871728	58.32	64.13	64.57	62.11
69	195	38612	153274	918068	63.03	70.52	70.48	69.12
70	200	40602	161204	965608	70.42	78.77	79.26	78.92
71	205	42642	169334	1014348	76.67	84.97	86.31	86.23
72	210	44732	177664	1064288	83.88	95.69	98.04	97.53
73	215	46872	186194	1115428	94.50	103.66	105.57	104.00
74	220	49062	194924	1167768	107.45	111.78	112.98	116.58
75	225	51302	203854	1221308	123.00	133.88	131.90	133.52
76	230	53592	212984	1276048	124.58	146.03	146.44	143.77
77	235	55932	222314	1331988	141.20	159.99	159.36	160.65
78	240	58322	231844	1389128	157.99	189.71	189.25	172.28
79	245	60762	241574	1447468	172.57	194.43	194.63	190.98
80	250	63252	251504	1507008	195.92	221.16	220.31	224.04
81	255	65792	261634	1567748	207.90	247.90	248.40	236.08
82	260	68382	271964	1629688	256.50	271.11	270.67	267.06
83	265	71022	282494	1692828	281.05	291.67	288.88	312.95
84	270	73712	293224	1757168	300.77	345.93	345.37	338.81
85	275	76452	304154	1822708	326.85	374.38	373.89	372.17
86	280	79242	315284	1889448	363.41	409.11	408.89	407.90
87	285	82082	326614	1957388	400.65	438.26	439.26	446.64
88	290	84972	338144	2026528	417.50	468.45	464.89	486.92
89	295	87912	349874	2096868	462.61	518.96	519.84	518.83
90	300	90902	361804	2168408	500.39	571.62	574.40	560.01
91	305	93942	373934	2241148	528.11	624.08	622.42	612.57
92	310	97032	386264	2315088	582.82	677.51	678.21	652.20
93	315	100172	398794	2390228	617.33	709.22	708.66	686.67
94	320	103362	411524	2466568	691.01	769.12	761.96	762.76
95	325	106602	424454	2544108	723.16	830.42	826.62	846.17
96	330	109892	437584	2622848	794.28	904.22	903.30	877.34
97	335	113232	450914	2702788	835.34	942.55	944.70	987.06
98	340	116622	464444	2783928	872.53	1002.15	1007.01	1013.85
99	345	120062	478174	2866268	973.88	1110.23	1116.09	1096.30
100	350	123552	492104	2949808	1032.02	1154.15	1153.75	1198.12
101	355	127092	506234	3034548	1072.29	1260.25	1258.37	1245.17
102	360	130682	520564	3120488	1215.30	1347.48	1344.10	1366.85
103	365	134322	535094	3207628	1260.85	1423.28	1419.88	1425.14
104	370	138012	549824	3295968	1355.20	1540.41	1533.84	1524.25
105	375	141752	564754	3385508	1454.69	1725.82	1718.94	1784.25
106	380	145542	579884	3476248	1608.79	1849.07	1850.59	1867.40
107	385	149382	595214	3568188	1733.37	1947.29	1946.57	1967.51
108	390	153272	610744	3661328	1852.13	2044.39	2034.82	2064.02
109	395	157212	626474	3755668	1893.71	2154.48	2155.64	2164.15
110	400	161202	642404	3851208	2101.02	2298.25	2289.59	2318.75
111	405	165242	658534	3947948	2137.64	2443.45	2445.60	2393.66

112	410	169332	674864	4045888	2277.78	2597.76	2611.46	2528.97
113	415	173472	691394	4145028	2405.43	2741.93	2738.05	2780.06
114	420	177662	708124	4245368	2564.67	2836.12	2795.47	2850.54
115	425	181902	725054	4346908	2671.62	2978.48	2976.53	2999.32
116	430	186192	742184	4449648	2833.10	3176.67	3173.82	3193.47
117	435	190532	759514	4553588	2966.45	3387.49	3391.74	3386.11
118	440	194922	777044	4658728	3107.40	3554.07	3529.77	to
119	445	199362	794774	4765068	3273.00	to	to	to

Table 410: *xor*2-pyramid-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	12	32	160	0.00	0.00	0.00	0.00
2	4	30	92	504	0.00	0.00	0.00	0.00
3	6	56	184	1040	0.00	0.00	0.00	0.00
4	8	90	308	1768	0.00	0.00	0.00	0.00
5	10	132	464	2688	0.00	0.00	0.00	0.00
6	12	182	652	3800	0.00	0.00	0.00	0.00
7	14	240	872	5104	0.00	0.00	0.00	0.00
8	16	306	1124	6600	0.00	0.00	0.00	0.00
9	18	380	1408	8288	0.00	0.00	0.00	0.00
10	20	462	1724	10168	0.00	0.01	0.01	0.00
11	22	552	2072	12240	0.00	0.00	0.01	0.00
12	24	650	2452	14504	0.00	0.01	0.01	0.00
13	26	756	2864	16960	0.00	0.01	0.01	0.01
14	28	870	3308	19608	0.01	0.02	0.02	0.02
15	30	992	3784	22448	0.01	0.02	0.01	0.01
16	32	1122	4292	25480	0.01	0.01	0.01	0.01
17	34	1260	4832	28704	0.01	0.01	0.03	0.01
18	36	1406	5404	32120	0.01	0.01	0.02	0.03
19	38	1560	6008	35728	0.01	0.02	0.02	0.03
20	40	1722	6644	39528	0.01	0.02	0.02	0.01
21	42	1892	7312	43520	0.02	0.02	0.03	0.03
22	44	2070	8012	47704	0.02	0.03	0.03	0.04
23	46	2256	8744	52080	0.02	0.03	0.05	0.03
24	48	2450	9508	56648	0.04	0.03	0.05	0.06
25	50	2652	10304	61408	0.02	0.06	0.03	0.03
26	52	2862	11132	66360	0.03	0.06	0.04	0.04
27	54	3080	11992	71504	0.03	0.04	0.07	0.03
28	56	3306	12884	76840	0.03	0.05	0.08	0.05
29	58	3540	13808	82368	0.03	0.07	0.05	0.04
30	60	3782	14764	88088	0.04	0.05	0.05	0.05
31	62	4032	15752	94000	0.04	0.06	0.06	0.05
32	64	4290	16772	100104	0.04	0.06	0.06	0.06
33	66	4556	17824	106400	0.05	0.06	0.07	0.06
34	68	4830	18908	112888	0.08	0.07	0.07	0.12
35	70	5112	20024	119568	0.05	0.13	0.06	0.12
36	72	5402	21172	126440	0.06	0.08	0.14	0.09
37	74	5700	22352	133504	0.06	0.08	0.15	0.08
38	76	6006	23564	140760	0.10	0.09	0.09	0.09
39	78	6320	24808	148208	0.06	0.09	0.09	0.08
40	80	6642	26084	155848	0.07	0.10	0.10	0.10
41	82	6972	27392	163680	0.07	0.10	0.10	0.10
42	84	7310	28732	171704	0.08	0.10	0.18	0.11
43	86	7656	30104	179920	0.08	0.12	0.12	0.12
44	88	8010	31508	188328	0.08	0.12	0.21	0.12
45	90	8372	32944	196928	0.09	0.21	0.13	0.13
46	92	8742	34412	205720	0.09	0.13	0.23	0.13
47	94	9120	35912	214704	0.10	0.13	0.18	0.24
48	96	9506	37444	223880	0.10	0.16	0.14	0.15
49	98	9900	39008	233248	0.17	0.16	0.15	0.19

50	100	10302	40604	242808	0.11	0.16	0.16	0.28
51	105	11342	44734	267548	0.12	0.17	0.18	0.18
52	110	12432	49064	293488	0.14	0.20	0.20	0.20
53	115	13572	53594	320628	0.15	0.22	0.22	0.35
54	120	14762	58324	348968	0.15	0.23	0.23	0.25
55	125	16002	63254	378508	0.29	0.27	0.27	0.27
56	130	17292	68384	409248	0.18	0.29	0.48	0.30
57	135	18632	73714	441188	0.34	0.32	0.31	0.51
58	140	20022	79244	474328	0.21	0.34	0.58	0.33
59	145	21462	84974	508668	0.39	0.37	0.38	0.37
60	150	22952	90904	544208	0.26	0.38	0.40	0.40
61	155	24492	97034	580948	0.28	0.44	0.44	0.42
62	160	26082	103364	618888	0.47	0.67	0.47	0.47
63	165	27722	109894	658028	0.32	0.51	0.74	0.49
64	170	29412	116624	698368	0.52	0.54	0.54	0.54
65	175	31152	123554	739908	0.55	0.78	0.83	0.95
66	180	32942	130684	782648	0.63	0.84	0.95	0.86
67	185	34782	138014	826588	0.69	1.01	0.93	0.90
68	190	36672	145544	871728	0.68	0.71	0.72	0.77
69	195	38612	153274	918068	0.45	0.74	0.75	0.96
70	200	40602	161204	965608	0.61	0.81	1.01	0.79
71	205	42642	169334	1014348	0.49	0.93	0.84	1.14
72	210	44732	177664	1064288	0.72	1.22	0.91	0.90
73	215	46872	186194	1115428	0.84	1.17	1.29	1.13
74	220	49062	194924	1167768	0.78	1.20	1.20	1.24
75	225	51302	203854	1221308	0.83	1.22	1.22	1.10
76	230	53592	212984	1276048	0.94	1.35	1.29	1.38
77	235	55932	222314	1331988	0.93	1.41	1.34	1.36
78	240	58322	231844	1389128	0.92	1.37	1.28	1.53
79	245	60762	241574	1447468	0.68	1.61	1.58	1.33
80	250	63252	251504	1507008	0.76	1.39	1.52	1.40
81	255	65792	261634	1567748	0.75	1.48	1.51	1.72
82	260	68382	271964	1629688	0.81	1.58	1.56	1.54
83	265	71022	282494	1692828	0.84	1.64	1.62	1.83
84	270	73712	293224	1757168	1.03	1.96	1.89	1.84
85	275	76452	304154	1822708	0.89	1.83	1.91	1.79
86	280	79242	315284	1889448	1.22	2.32	2.02	2.02
87	285	82082	326614	1957388	1.01	2.18	2.15	2.12
88	290	84972	338144	2026528	1.03	2.25	2.20	2.32
89	295	87912	349874	2096868	1.22	2.17	2.20	2.29
90	300	90902	361804	2168408	1.10	2.26	2.23	2.25
91	305	93942	373934	2241148	1.10	2.41	2.36	2.46
92	310	97032	386264	2315088	1.33	2.44	2.58	2.49
93	315	100172	398794	2390228	1.39	2.75	2.64	2.46
94	320	103362	411524	2466568	1.45	2.79	2.73	2.60
95	325	106602	424454	2544108	1.24	2.91	2.88	2.86
96	330	109892	437584	2622848	1.48	3.10	2.99	3.06
97	335	113232	450914	2702788	1.55	3.14	2.92	2.96
98	340	116622	464444	2783928	1.46	3.11	3.06	3.32
99	345	120062	478174	2866268	1.63	3.19	3.32	3.28
100	350	123552	492104	2949808	1.79	3.56	3.31	3.29
101	355	127092	506234	3034548	1.74	3.46	3.44	3.55
102	360	130682	520564	3120488	1.75	3.53	3.70	3.57
103	365	134322	535094	3207628	1.78	3.85	3.94	3.65
104	370	138012	549824	3295968	1.77	3.96	3.97	3.86
105	375	141752	564754	3385508	2.03	4.19	4.01	3.90
106	380	145542	579884	3476248	1.92	4.20	4.07	4.26
107	385	149382	595214	3568188	2.03	4.27	4.42	4.24
108	390	153272	610744	3661328	1.88	4.43	4.42	4.33
109	395	157212	626474	3755668	2.19	4.54	4.61	4.56
110	400	161202	642404	3851208	2.24	4.57	4.53	4.61
111	405	165242	658534	3947948	2.21	4.79	4.71	4.72

112	410	169332	674864	4045888	2.02	4.95	5.10	4.99
113	415	173472	691394	4145028	2.27	5.01	5.09	5.19
114	420	177662	708124	4245368	2.12	5.30	5.10	5.38
115	425	181902	725054	4346908	2.13	5.53	5.56	5.33
116	430	186192	742184	4449648	2.29	5.61	5.70	5.41
117	435	190532	759514	4553588	2.29	5.61	5.75	5.75
118	440	194922	777044	4658728	2.53	5.78	5.94	6.05
119	445	199362	794774	4765068	2.38	6.03	5.93	6.03
120	450	203852	812704	4872608	2.46	6.09	6.12	6.19
121	455	208392	830834	4981348	2.44	6.26	6.44	6.22
122	460	212982	849164	5091288	2.58	6.47	6.40	6.44
123	465	217622	867694	5202428	2.60	6.61	6.63	6.68
124	470	222312	886424	5314768	2.64	6.76	6.76	6.80
125	475	227052	905354	5428308	2.68	6.96	7.03	6.92
126	480	231842	924484	5543048	2.75	7.10	7.15	7.02
127	485	236682	943814	5658988	2.90	7.42	7.34	7.42
128	490	241572	963344	5776128	2.98	7.51	7.55	7.48
129	495	246512	983074	5894468	2.94	7.67	7.61	7.72
130	500	251502	1003004	6014008	3.05	7.79	7.85	7.87
131	525	277202	1105654	6629708	3.36	8.95	8.85	8.88
132	550	304152	1213304	7275408	3.72	9.85	10.37	9.91
133	575	332352	1325954	7951108	3.97	11.20	10.97	11.10
134	600	361802	1443604	8656808	4.73	12.06	12.08	12.12
135	625	392502	1566254	9392508	4.81	13.43	13.60	13.34
136	650	424452	1693904	10158208	5.29	14.63	14.68	14.73
137	675	457652	1826554	10953908	5.60	15.92	15.97	16.02
138	700	492102	1964204	11779608	5.99	17.48	17.47	17.33
139	725	527802	2106854	12635308	6.44	18.83	18.84	18.88
140	750	564752	2254504	13521008	7.19	20.43	20.39	20.45
141	775	602952	2407154	14436708	7.62	21.95	21.96	21.88
142	800	642402	2564804	15382408	7.90	23.71	23.70	23.64
143	825	683102	2727454	16358108	8.52	25.57	25.37	25.32
144	850	725052	2895104	17363808	8.95	27.18	27.32	27.16
145	875	768252	3067754	18399508	9.47	29.19	28.95	29.12
146	900	812702	3245404	19465208	10.12	30.88	30.93	30.90
147	925	858402	3428054	20560908	10.65	33.17	33.03	32.78
148	950	905352	3615704	21686608	11.51	34.85	34.84	34.86
149	975	953552	3808354	22842308	11.81	37.04	36.83	37.00
150	1000	1003002	4006004	24028008	12.45	39.28	39.04	39.16

Table 411: *xor*2-pyramid-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	12	32	160	0.00	0.00	0.00	0.00
2	4	30	92	504	0.00	0.00	0.00	0.00
3	6	56	184	1040	0.00	0.01	0.00	0.00
4	8	90	308	1768	0.02	0.01	0.01	0.01
5	10	132	464	2688	0.17	0.02	0.02	0.05
6	12	182	652	3800	0.27	0.70	0.69	0.40
7	14	240	872	5104	5.02	2.29	2.03	1.41
8	16	306	1124	6600	4.24	7.66	7.59	4.25
9	18	380	1408	8288	82.65	51.41	51.65	44.16
10	20	462	1724	10168	42.77	47.46	47.15	80.59
11	22	552	2072	12240	to	72.48	72.81	3.08
12	24	650	2452	14504	to	1837.99	354.72	800.02
13	26	756	2864	16960	to	2885.85	2283.75	38.33
14	28	870	3308	19608	to	to	to	1372.86
15	30	992	3784	22448	to	9.76	9.67	21.30
16	32	1122	4292	25480	to	1.76	1.30	3.77
17	34	1260	4832	28704	to	4.05	2.73	8.14
18	36	1406	5404	32120	to	0.75	0.93	7.90

19	38	1560	6008	35728	to	3.84	3.80	9.87
20	40	1722	6644	39528	to	2.47	2.48	1.63
21	42	1892	7312	43520	to	2.27	1.48	1.76
22	44	2070	8012	47704	to	1.38	1.87	2.02
23	46	2256	8744	52080	to	1.61	1.20	1.62
24	48	2450	9508	56648	to	2.52	2.17	2.17
25	50	2652	10304	61408	to	2.71	1.94	2.11
26	52	2862	11132	66360	to	2.93	2.64	2.72
27	54	3080	11992	71504	to	2.88	2.29	2.39
28	56	3306	12884	76840	to	3.00	3.30	4.55
29	58	3540	13808	82368	to	4.97	4.63	4.34
30	60	3782	14764	88088	to	3.36	4.11	5.81
31	62	4032	15752	94000	to	3.68	4.67	3.93
32	64	4290	16772	100104	to	4.78	4.53	5.78
33	66	4556	17824	106400	to	5.89	6.06	6.76
34	68	4830	18908	112888	to	7.15	7.15	4.66
35	70	5112	20024	119568	to	8.44	8.12	9.11
36	72	5402	21172	126440	to	5.91	11.21	5.75
37	74	5700	22352	133504	to	5.66	10.35	9.15
38	76	6006	23564	140760	to	11.97	12.21	6.44
39	78	6320	24808	148208	to	7.35	7.34	7.54
40	80	6642	26084	155848	to	7.33	7.31	7.80
41	82	6972	27392	163680	to	13.44	13.50	8.75
42	84	7310	28732	171704	to	16.95	17.09	19.72
43	86	7656	30104	179920	to	17.18	17.18	18.94
44	88	8010	31508	188328	to	14.05	20.70	17.50
45	90	8372	32944	196928	to	25.46	25.51	25.45
46	92	8742	34412	205720	to	24.56	15.35	24.63
47	94	9120	35912	214704	to	17.82	17.83	26.03
48	96	9506	37444	223880	to	26.42	26.44	18.05
49	98	9900	39008	233248	to	28.36	28.57	20.59
50	100	10302	40604	242808	to	19.93	19.97	34.41
51	105	11342	44734	267548	to	40.97	24.80	37.82
52	110	12432	49064	293488	to	56.65	56.69	60.09
53	115	13572	53594	320628	to	58.95	58.75	49.73
54	120	14762	58324	348968	to	51.64	43.07	64.49
55	125	16002	63254	378508	to	94.97	55.67	85.66
56	130	17292	68384	409248	to	66.90	66.94	97.34
57	135	18632	73714	441188	to	69.59	69.13	78.08
58	140	20022	79244	474328	to	93.22	93.77	92.75
59	145	21462	84974	508668	to	145.59	145.22	166.80
60	150	22952	90904	544208	to	186.33	186.73	226.19
61	155	24492	97034	580948	to	226.36	226.57	241.97
62	160	26082	103364	618888	to	261.12	260.59	268.19
63	165	27722	109894	658028	to	305.08	303.88	237.03
64	170	29412	116624	698368	to	326.97	325.99	248.92
65	175	31152	123554	739908	to	284.79	285.15	419.56
66	180	32942	130684	782648	to	471.57	471.94	417.99
67	185	34782	138014	826588	to	473.24	474.21	512.13
68	190	36672	145544	871728	to	383.23	383.53	597.00
69	195	38612	153274	918068	to	641.05	440.88	573.02
70	200	40602	161204	965608	to	791.23	467.64	743.97
71	205	42642	169334	1014348	to	576.49	860.42	543.10
72	210	44732	177664	1064288	to	897.60	612.57	902.78
73	215	46872	186194	1115428	to	1092.98	680.15	1014.22
74	220	49062	194924	1167768	to	770.24	771.86	799.51
75	225	51302	203854	1221308	to	809.97	811.59	800.76
76	230	53592	212984	1276048	to	857.03	858.20	941.95
77	235	55932	222314	1331988	to	1542.98	990.75	1590.55
78	240	58322	231844	1389128	to	1199.36	1199.32	1733.66
79	245	60762	241574	1447468	to	1989.88	1298.09	1276.55
80	250	63252	251504	1507008	to	2024.48	2013.64	1373.87

81	255	65792	261634	1567748	to	1487.08	1486.76	1441.65
82	260	68382	271964	1629688	to	1694.68	2499.35	2327.79
83	265	71022	282494	1692828	to	2518.21	1821.46	2281.64
84	270	73712	293224	1757168	to	1989.08	2804.19	1957.53
85	275	76452	304154	1822708	to	2176.36	2822.59	3097.54
86	280	79242	315284	1889448	to	3296.82	2455.04	3292.37
87	285	82082	326614	1957388	to	3548.82	3540.32	2504.41
88	290	84972	338144	2026528	to	to		to

Table 412: *xor*2-pyramid-picosat

9.8 pyrofpyr

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	18	50	260	0.00	0.00	0.00	0.00
2	2	72	236	1336	0.00	0.00	0.00	0.00
3	3	200	706	4100	0.03	0.03	0.03	0.04
4	4	450	1652	9704	0.07	0.06	0.06	0.07
5	5	882	3314	19588	0.12	0.15	0.15	0.14
6	6	1568	5980	35480	0.25	0.29	0.29	0.29
7	7	2592	9986	59396	0.36	0.50	0.51	0.51
8	8	4050	15716	93640	0.62	0.82	0.83	0.83
9	9	6050	23602	140804	0.81	1.27	1.27	1.27
10	10	8712	34124	203768	1.26	1.94	1.94	1.87
11	11	12168	47810	285700	1.61	2.63	2.64	2.69
12	12	16562	65236	390056	2.31	3.67	3.67	3.68
13	13	22050	87026	520580	3.01	4.94	4.93	4.95
14	14	28800	113852	681304	4.00	6.59	6.59	6.56
15	15	36992	146434	876548	5.08	8.57	8.56	8.60
16	16	46818	185540	1110920	6.58	11.07	11.20	11.17
17	17	58482	231986	1389316	7.87	13.95	14.05	13.99
18	18	72200	286636	1716920	9.82	17.29	17.31	17.22
19	19	88200	350402	2099204	11.61	21.32	21.27	20.97
20	20	106722	424244	2541928	14.23	25.45	25.43	25.38
21	21	128018	509170	3051140	16.58	30.56	30.43	30.25
22	22	152352	606236	3633176	19.86	36.10	35.99	35.99
23	23	180000	716546	4294660	22.81	42.50	42.66	42.55
24	24	211250	841252	5042504	26.97	56.11	56.22	58.87
25	25	246402	981554	5883908	30.77	112.25	112.39	134.74
26	26	285768	1138700	6826360	35.32	782.76	783.51	125.76
27	27	329672	1313986	7877636	39.91	186.75	186.60	181.67
28	28	378450	1508756	9045800	45.78	237.25	237.83	237.22
29	29	432450	1724402	10339204	68.32	293.24	295.63	289.77
30	30	492032	1962364	11766488	134.39	371.80	370.88	364.25
31	31	557568	2224130	13336580	169.04	485.24	482.03	478.20
32	32	629442	2511236	15058696	231.49	609.50	611.95	756.00
33	33	708050	2825266	16942340	280.86	715.49	714.62	877.03
34	34	793800	3167852	18997304	308.42	871.84	870.81	to
35	35	887112	3540674	21233668	350.19	1022.84	1021.78	990.63
36	36	988418	3945460	23661800	386.70	1131.42	1128.73	1097.40
37	37	1098162	4383986	26292356	409.72	1309.48	1311.82	1292.91
38	38	1216800	4858076	29136280	515.84	1603.14	1602.77	1556.80
39	39	1344800	5369602	32204804	to	1695.52	1702.59	to
40	40	1482642	5920484	35509448	545.96	1853.66	1851.98	1800.81
41	41	1630818	6512690	39062020	625.24	1926.20	1925.66	1961.89
42	42	1789832	7148236	42874616	to	to	to	2180.42

Table 413: *xor*2-pyrofpyr-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3

1	1	18	50	260	0.00	0.00	0.00	0.00
2	2	72	236	1336	0.00	0.00	0.00	0.00
3	3	200	706	4100	0.01	0.01	0.01	0.01
4	4	450	1652	9704	0.12	0.08	0.08	0.11
5	5	882	3314	19588	0.45	0.27	0.28	0.33
6	6	1568	5980	35480	1.38	1.26	1.27	1.39
7	7	2592	9986	59396	3.55	2.46	2.45	2.99
8	8	4050	15716	93640	6.03	6.54	6.51	6.80
9	9	6050	23602	140804	9.31	11.32	11.28	11.60
10	10	8712	34124	203768	21.58	20.77	20.82	22.69
11	11	12168	47810	285700	31.91	41.22	41.32	51.16
12	12	16562	65236	390056	54.40	51.84	51.80	72.11
13	13	22050	87026	520580	91.68	95.66	95.31	84.26
14	14	28800	113852	681304	121.24	146.03	146.83	123.13
15	15	36992	146434	876548	192.90	186.95	186.31	183.85
16	16	46818	185540	1110920	294.14	333.65	332.32	366.62
17	17	58482	231986	1389316	417.47	471.78	507.15	498.95
18	18	72200	286636	1716920	665.42	692.11	694.78	715.38
19	19	88200	350402	2099204	876.64	1133.49	1139.93	1141.73
20	20	106722	424244	2541928	1480.44	1708.07	1711.21	1712.60
21	21	128018	509170	3051140	2100.96	2392.78	2409.46	2405.07
22	22	152352	606236	3633176	2891.73	3262.37	3239.61	3370.43
23	23	180000	716546	4294660	to	to	to	

Table 414: *xor*2-pyrofpyr-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	18	50	260	0.00	0.00	0.00	0.00
2	2	72	236	1336	0.00	0.00	0.00	0.00
3	3	200	706	4100	0.00	0.00	0.00	0.00
4	4	450	1652	9704	0.00	0.00	0.00	0.00
5	5	882	3314	19588	0.00	0.01	0.01	0.01
6	6	1568	5980	35480	0.01	0.02	0.02	0.02
7	7	2592	9986	59396	0.02	0.02	0.03	0.03
8	8	4050	15716	93640	0.04	0.06	0.06	0.06
9	9	6050	23602	140804	0.05	0.09	0.09	0.08
10	10	8712	34124	203768	0.10	0.14	0.13	0.13
11	11	12168	47810	285700	0.14	0.21	0.19	0.20
12	12	16562	65236	390056	0.18	0.28	0.26	0.28
13	13	22050	87026	520580	0.25	0.39	0.37	0.40
14	14	28800	113852	681304	0.32	0.54	0.52	0.51
15	15	36992	146434	876548	0.43	0.69	0.70	0.70
16	16	46818	185540	1110920	0.57	0.96	0.92	0.98
17	17	58482	231986	1389316	0.71	1.25	1.23	1.21
18	18	72200	286636	1716920	0.90	1.57	1.60	1.55
19	19	88200	350402	2099204	1.03	2.05	2.01	2.01
20	20	106722	424244	2541928	1.31	2.52	2.53	2.53
21	21	128018	509170	3051140	1.58	3.19	3.11	3.17
22	22	152352	606236	3633176	1.88	3.96	3.89	3.87
23	23	180000	716546	4294660	2.57	5.34	5.34	5.33
24	24	211250	841252	5042504	3.02	6.57	6.49	6.46
25	25	246402	981554	5883908	3.54	7.80	7.67	7.79
26	26	285768	1138700	6826360	4.06	9.16	9.15	9.24
27	27	329672	1313986	7877636	4.75	10.82	10.85	10.89
28	28	378450	1508756	9045800	5.44	12.67	12.73	13.03
29	29	432450	1724402	10339204	6.21	14.72	14.83	14.66
30	30	492032	1962364	11766488	7.12	17.05	17.00	17.09
31	31	557568	2224130	13336580	8.08	19.66	19.62	19.59
32	32	629442	2511236	15058696	9.13	22.49	22.55	22.52
33	33	708050	2825266	16942340	10.29	25.63	25.60	25.68
34	34	793800	3167852	18997304	11.57	28.97	29.24	29.04

35	35	887112	3540674	21233668	12.93	32.93	32.81	32.86
36	36	988418	3945460	23661800	14.41	37.04	37.02	37.03
37	37	1098162	4383986	26292356	15.90	41.56	41.58	41.46
38	38	1216800	4858076	29136280	17.62	46.53	46.58	46.47
39	39	1344800	5369602	32204804	19.62	51.90	51.95	51.94
40	40	1482642	5920484	35509448	21.42	57.65	57.65	57.58
41	41	1630818	6512690	39062020	23.70	63.88	64.24	63.71
42	42	1789832	7148236	42874616	26.24	70.29	70.54	70.67
43	43	1960200	7829186	46959620	28.61	77.64	77.96	77.71
44	44	2142450	8557652	51329704	31.29	85.69	85.67	85.78
45	45	2337122	9335794	55997828	34.27	94.34	94.21	94.21
46	46	2544768	10165820	60977240	37.27	103.37	103.38	103.15
47	47	2765952	11049986	66281476	40.64	112.92	113.40	113.10
48	48	3001250	11990596	71924360	44.08	123.34	123.23	123.58
49	49	3251250	12990002	77920004	47.67	134.55	134.56	134.51
50	50	3516552	14050604	84282808	51.72	146.44	146.18	146.21

Table 415: *xor*2-pyrofpyr-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	18	50	260	0.00	0.00	0.00	0.00
2	2	72	236	1336	0.00	0.00	0.00	0.00
3	3	200	706	4100	0.02	0.06	0.06	0.02
4	4	450	1652	9704	0.31	0.11	0.31	0.12
5	5	882	3314	19588	2.90	1.03	1.02	1.02
6	6	1568	5980	35480	3.37	1.40	1.62	1.80
7	7	2592	9986	59396	812.21	3.45	3.45	8.25
8	8	4050	15716	93640	to	15.80	11.03	13.56
9	9	6050	23602	140804	104.39	57.08	27.32	22.64
10	10	8712	34124	203768	to	125.59	62.31	104.80
11	11	12168	47810	285700	784.84	308.23	307.76	125.89
12	12	16562	65236	390056	1939.02	231.28	231.09	264.26
13	13	22050	87026	520580	to	720.49	721.21	400.38
14	14	28800	113852	681304	to	581.10	1446.85	719.30
15	15	36992	146434	876548	to	1903.11	1903.52	1149.13
16	16	46818	185540	1110920	to	1753.13	3329.74	1692.47
17	17	58482	231986	1389316	to	2447.91	to	to

Table 416: *xor*2-pyrofpyr-picosat

9.9 pyrseqsqrt

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	86	268	1496	0.00	0.00	0.00	0.00
2	3	218	724	4136	0.01	0.01	0.01	0.01
3	4	442	1524	8808	0.02	0.02	0.02	0.02
4	5	912	3224	18768	0.03	0.03	0.04	0.04
5	6	1622	5836	34136	0.07	0.07	0.08	0.07
6	7	2620	9552	56064	0.12	0.13	0.13	0.13
7	8	4258	15684	92296	0.20	0.20	0.21	0.21
8	9	6050	22468	132488	0.27	0.31	0.31	0.32
9	10	8742	32684	193048	0.43	0.46	0.45	0.47
10	11	12652	47568	281344	0.62	0.68	0.67	0.68
11	12	16850	63652	376904	0.83	0.93	0.93	0.92
12	13	22622	85804	508568	1.14	1.28	1.27	1.24
13	14	29514	112340	666408	1.47	1.76	1.76	1.72
14	15	37622	143644	852728	2.04	2.33	2.30	2.33
15	16	47042	180100	1069832	2.65	3.03	3.06	3.01
16	17	59128	226920	1348720	3.33	3.99	3.97	3.97
17	18	73010	280804	1669832	4.02	4.96	4.95	4.93

18	19	88808	342232	2036048	4.72	6.09	6.05	6.10
19	20	106642	411684	2450248	5.60	7.37	7.30	7.30
20	21	128522	496948	2958824	6.65	8.90	8.94	8.90
21	22	153034	592596	3529512	7.75	10.82	10.74	10.79
22	23	180322	699204	4165768	8.93	12.54	12.54	12.51
23	24	212978	826852	4927688	10.45	14.72	14.72	14.81
24	25	246452	957904	5710208	11.28	16.68	16.59	16.60
25	26	286002	1112804	6635208	12.76	19.02	19.01	19.01
26	27	332426	1294708	7721576	14.43	21.94	21.98	21.79
27	28	379962	1481204	8835688	15.81	24.21	24.10	24.30
28	29	435176	1697896	10130288	17.50	27.25	27.24	27.34
29	30	495182	1933564	11538488	19.63	30.84	30.84	30.88
30	31	560172	2188976	13064896	21.84	34.61	34.64	34.50
31	32	630338	2464900	14714120	24.47	38.92	38.83	38.56
32	33	710426	2779924	16597160	26.62	43.26	43.37	43.30
33	34	796622	3119164	18625208	28.56	46.60	46.73	46.56
34	35	889142	3483484	20803448	31.80	52.02	51.43	51.97
35	36	988202	3873748	23137064	34.86	57.49	57.42	57.41
36	37	1099716	4313168	25764736	38.29	64.01	64.06	63.53
37	38	1218814	4782684	28572664	42.19	70.64	70.60	70.48
38	39	1345736	5283256	31566608	46.86	78.10	80.35	77.67
39	40	1487362	5841924	34908168	50.62	86.47	86.44	85.78
40	41	1630982	6408796	38299256	55.24	94.58	94.39	94.43
41	42	1790462	7038364	42065528	59.48	104.27	104.27	103.94
42	43	1967080	7735704	46237392	66.04	114.20	114.15	114.63
43	44	2146146	8443076	50469768	71.84	125.67	125.14	124.55
44	45	2343602	9223204	55137608	77.84	136.80	136.38	137.26
45	46	2552082	10047140	60067912	84.21	149.85	148.47	149.28
46	47	2771874	10916036	65267592	91.44	162.06	161.65	162.29
47	48	3003266	11831044	70743560	97.82	175.75	175.57	176.30
48	49	3256444	12832320	76735968	106.48	190.58	190.70	190.72
49	50	3522602	13885204	83037608		mo	mo	mo

Table 417: *xor*2-pyrseqsqrt-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	86	268	1496	0.00	0.00	0.00	0.00
2	3	218	724	4136	0.00	0.01	0.01	0.01
3	4	442	1524	8808	0.02	0.02	0.01	0.03
4	5	912	3224	18768	0.08	0.08	0.08	0.09
5	6	1622	5836	34136	0.20	0.26	0.25	0.24
6	7	2620	9552	56064	0.41	0.45	0.45	0.47
7	8	4258	15684	92296	0.91	0.93	0.95	0.96
8	9	6050	22468	132488	1.66	1.78	1.77	1.77
9	10	8742	32684	193048	3.05	2.97	2.95	3.48
10	11	12652	47568	281344	6.10	6.29	6.27	6.31
11	12	16850	63652	376904	8.57	10.77	10.76	10.71
12	13	22622	85804	508568	17.56	19.96	20.04	20.92
13	14	29514	112340	666408	29.24	34.45	34.74	34.92
14	15	37622	143644	852728	50.53	60.60	60.26	61.22
15	16	47042	180100	1069832	83.39	104.25	104.42	99.73
16	17	59128	226920	1348720	166.56	183.80	183.72	190.29
17	18	73010	280804	1669832	277.12	317.80	317.42	316.19
18	19	88808	342232	2036048	444.79	531.42	534.58	528.65
19	20	106642	411684	2450248	732.77	843.05	843.84	828.10
20	21	128522	496948	2958824	1163.13	1378.47	1387.49	1393.47
21	22	153034	592596	3529512	1812.86	2090.90	2087.94	2105.09
22	23	180322	699204	4165768	2648.73	3071.08	3070.80	3106.11
23	24	212978	826852	4927688	to	to		to

Table 418: *xor*2-pyrseqsqrt-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	86	268	1496	0.00	0.00	0.00	0.00
2	3	218	724	4136	0.00	0.00	0.00	0.00
3	4	442	1524	8808	0.00	0.00	0.00	0.00
4	5	912	3224	18768	0.00	0.01	0.01	0.01
5	6	1622	5836	34136	0.01	0.02	0.02	0.02
6	7	2620	9552	56064	0.02	0.03	0.03	0.02
7	8	4258	15684	92296	0.03	0.05	0.05	0.05
8	9	6050	22468	132488	0.06	0.08	0.08	0.08
9	10	8742	32684	193048	0.08	0.11	0.11	0.12
10	11	12652	47568	281344	0.10	0.18	0.17	0.19
11	12	16850	63652	376904	0.16	0.24	0.26	0.25
12	13	22622	85804	508568	0.23	0.34	0.35	0.37
13	14	29514	112340	666408	0.29	0.47	0.49	0.49
14	15	37622	143644	852728	0.39	0.65	0.67	0.64
15	16	47042	180100	1069832	0.51	0.89	0.88	0.85
16	17	59128	226920	1348720	0.65	1.13	1.14	1.14
17	18	73010	280804	1669832	0.81	1.49	1.49	1.47
18	19	88808	342232	2036048	0.95	1.91	1.92	1.90
19	20	106642	411684	2450248	1.18	2.39	2.41	2.40
20	21	128522	496948	2958824	1.41	3.01	3.02	2.97
21	22	153034	592596	3529512	1.72	3.65	3.71	3.72
22	23	180322	699204	4165768	2.04	4.51	4.54	4.52
23	24	212978	826852	4927688	2.39	5.53	5.54	5.54
24	25	246452	957904	5710208	2.76	6.60	6.60	6.59
25	26	286002	1112804	6635208	3.21	7.86	7.89	7.90
26	27	332426	1294708	7721576	3.76	9.42	9.35	9.41
27	28	379962	1481204	8835688	4.34	10.97	10.98	11.03
28	29	435176	1697896	10130288	4.94	12.76	12.84	12.92
29	30	495182	1933564	11538488	5.63	14.95	14.99	14.91
30	31	560172	2188976	13064896	6.42	17.21	17.15	17.16
31	32	630338	2464900	14714120	7.34	19.70	19.70	19.73
32	33	710426	2779924	16597160	8.19	22.38	22.53	22.51
33	34	796622	3119164	18625208	9.16	25.58	25.57	25.55
34	35	889142	3483484	20803448	10.20	28.94	28.86	28.87
35	36	988202	3873748	23137064	11.47	32.61	32.54	32.53
36	37	1099716	4313168	25764736	12.81	36.66	36.68	36.70
37	38	1218814	4782684	28572664	14.09	41.15	41.12	41.19
38	39	1345736	5283256	31566608	15.74	46.09	46.05	45.88
39	40	1487362	5841924	34908168	17.36	51.39	51.24	51.38
40	41	1630982	6408796	38299256	19.18	57.31	56.80	56.94
41	42	1790462	7038364	42065528	21.08	63.02	63.15	63.07
42	43	1967080	7735704	46237392	23.10	69.96	69.90	69.93
43	44	2146146	8443076	50469768	25.30	77.22	76.99	76.90
44	45	2343602	9223204	55137608	27.75	84.60	85.32	84.72
45	46	2552082	10047140	60067912	30.23	92.97	93.07	93.24
46	47	2771874	10916036	65267592	32.72	101.87	102.09	101.63
47	48	3003266	11831044	70743560	35.79	110.85	111.15	111.05
48	49	3256444	12832320	76735968	38.62	121.49	121.69	121.81
49	50	3522602	13885204	83037608	42.10	132.44	132.54	132.24

Table 419: *xor*2-pyrseqsqrt-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	86	268	1496	0.00	0.00	0.00	0.00
2	3	218	724	4136	0.01	0.01	0.01	0.01
3	4	442	1524	8808	0.49	0.23	0.11	0.26
4	5	912	3224	18768	2.89	0.44	0.20	0.38
5	6	1622	5836	34136	18.45	0.76	0.54	0.98
6	7	2620	9552	56064	81.71	1.14	1.14	1.06
7	8	4258	15684	92296	310.83	3.31	3.64	4.28

8	9	6050	22468	132488	to	8.65	6.38	6.16
9	10	8742	32684	193048	to	12.04	11.98	11.71
10	11	12652	47568	281344	to	28.04	44.45	30.45
11	12	16850	63652	376904	to	54.22	73.69	91.10
12	13	22622	85804	508568	to	152.69	103.79	149.23
13	14	29514	112340	666408	to	296.32	201.25	289.53
14	15	37622	143644	852728	to	466.11	466.68	508.12
15	16	47042	180100	1069832	to	864.98	673.20	784.54
16	17	59128	226920	1348720	to	1122.30	1119.94	1393.03
17	18	73010	280804	1669832	to	1936.25	2342.12	2447.01
18	19	88808	342232	2036048	to		to	to

Table 420: *xor*2-pyrseqsqrt-picosat

9.10 width10chain

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	78	254	1436	0.00	0.00	0.00	0.00
2	2000	40018	160014	959996	2.20	2.57	2.55	2.49
3	4000	80018	320014	1919996	4.35	5.47	5.46	5.53
4	6000	120018	480014	2879996	6.21	8.46	8.49	8.48
5	8000	160018	640014	3839996	8.03	11.29	11.47	11.22
6	10000	200018	800014	4799996	9.94	14.22	14.20	14.27
7	12000	240018	960014	5759996	11.29	16.65	16.62	16.60
8	14000	280018	1120014	6719996	12.63	18.01	17.96	18.59
9	16000	320018	1280014	7679996	14.01	21.37	21.29	21.20
10	18000	360018	1440014	8639996	15.25	23.62	23.60	23.63
11	20000	400018	1600014	9599996	16.66	25.91	26.08	26.18
12	22000	440018	1760014	10559996	17.51	27.52	27.48	27.49
13	24000	480018	1920014	11519996	18.79	29.87	29.81	29.85
14	26000	520018	2080014	12479996	20.16	32.13	32.06	32.57
15	28000	560018	2240014	13439996	21.54	34.47	34.54	34.37
16	30000	600018	2400014	14399996	22.60	36.58	36.57	36.49
17	32000	640018	2560014	15359996	23.91	38.94	38.99	39.10
18	34000	680018	2720014	16319996	25.08	41.44	41.60	41.48
19	36000	720018	2880014	17279996	26.88	43.77	43.68	43.99
20	38000	760018	3040014	18239996	27.83	46.41	46.60	46.07
21	40000	800018	3200014	19199996	29.38	48.31	48.36	48.49
22	42000	840018	3360014	20159996	29.58	48.95	48.90	48.81
23	44000	880018	3520014	21119996	30.88	51.23	53.37	51.22
24	46000	920018	3680014	22079996	32.43	53.75	53.38	53.51
25	48000	960018	3840014	23039996	33.19	55.98	55.88	56.20
26	50000	1000018	4000014	23999996	34.68	57.95	57.95	57.62
27	52000	1040018	4160014	24959996	36.37	60.12	60.66	60.29
28	54000	1080018	4320014	25919996	37.06	62.74	62.96	62.76
29	56000	1120018	4480014	26879996	38.64	65.03	64.84	64.96
30	58000	1160018	4640014	27839996	39.54	67.52	67.30	67.24
31	60000	1200018	4800014	28799996	41.10	69.73	69.81	69.91
32	62000	1240018	4960014	29759996	42.36	72.03	71.87	72.31
33	64000	1280018	5120014	30719996	43.03	74.43	76.02	74.50
34	66000	1320018	5280014	31679996	44.70	76.54	76.45	76.29
35	68000	1360018	5440014	32639996	45.93	78.46	78.36	79.16
36	70000	1400018	5600014	33599996	46.68	81.40	81.36	81.04
37	72000	1440018	5760014	34559996	48.36	83.54	83.68	83.69
38	74000	1480018	5920014	35519996	49.71	85.69	86.00	85.99
39	76000	1520018	6080014	36479996	50.91	88.01	88.10	88.05
40	78000	1560018	6240014	37439996	52.16	89.99	90.88	90.54
41	80000	1600018	6400014	38399996	54.19	93.12	92.71	92.74
42	82000	1640018	6560014	39359996	53.86	95.25	95.68	96.08
43	84000	1680018	6720014	40319996	55.86	92.19	92.00	97.66
44	86000	1720018	6880014	41279996	57.58	99.93	99.98	99.45
45	88000	1760018	7040014	42239996	58.34	102.42	102.16	102.23

46	90000	1800018	7200014	43199996	59.55	104.51	104.39	104.08
47	92000	1840018	7360014	44159996	60.41	106.75	106.53	107.10
48	94000	1880018	7520014	45119996	62.01	109.32	109.34	108.70
49	96000	1920018	7680014	46079996	64.14	111.49	111.56	111.54
50	98000	1960018	7840014	47039996	64.89	113.89	114.11	114.45
51	100000	2000018	8000014	47999996	65.49	116.14	116.06	116.15

Table 421: *xor*2-width10chain-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	78	254	1436	0.00	0.00	0.00	0.00
2	2000	40018	160014	959996	55.37	60.15	60.04	60.57
3	4000	80018	320014	1919996	217.17	247.46	247.05	254.45
4	6000	120018	480014	2879996	515.40	618.19	615.42	611.26
5	8000	160018	640014	3839996	907.15	1014.40	1008.17	1021.79
6	10000	200018	800014	4799996	1729.11	1881.69	1874.68	1815.21
7	12000	240018	960014	5759996	2315.82	2541.48	2510.90	2570.81
8	14000	280018	1120014	6719996	2884.13	3345.68	3365.15	3376.11
9	16000	320018	1280014	7679996	to	to	to	

Table 422: *xor*2-width10chain-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	78	254	1436	0.00	0.00	0.00	0.00
2	2000	40018	160014	959996	0.42	0.75	0.73	0.72
3	4000	80018	320014	1919996	0.86	1.71	1.72	1.68
4	6000	120018	480014	2879996	1.31	2.87	2.78	2.79
5	8000	160018	640014	3839996	1.71	3.96	4.03	3.94
6	10000	200018	800014	4799996	2.18	5.18	5.17	5.22
7	12000	240018	960014	5759996	2.66	6.52	6.43	6.38
8	14000	280018	1120014	6719996	3.10	7.73	7.69	7.78
9	16000	320018	1280014	7679996	3.55	9.04	9.13	9.09
10	18000	360018	1440014	8639996	3.95	10.40	10.39	10.47
11	20000	400018	1600014	9599996	4.42	11.72	11.72	11.70
12	22000	440018	1760014	10559996	4.80	13.04	13.10	13.03
13	24000	480018	1920014	11519996	5.29	14.46	14.41	14.40
14	26000	520018	2080014	12479996	5.78	15.88	15.81	15.98
15	28000	560018	2240014	13439996	6.25	17.20	17.25	17.19
16	30000	600018	2400014	14399996	6.64	18.57	18.61	18.59
17	32000	640018	2560014	15359996	7.08	19.94	19.93	20.06
18	34000	680018	2720014	16319996	7.58	21.42	21.44	21.41
19	36000	720018	2880014	17279996	8.17	22.90	22.83	22.86
20	38000	760018	3040014	18239996	8.49	24.31	24.35	24.38
21	40000	800018	3200014	19199996	8.90	25.72	25.70	25.68
22	42000	840018	3360014	20159996	9.38	27.12	27.11	27.17
23	44000	880018	3520014	21119996	9.79	28.57	29.19	28.80
24	46000	920018	3680014	22079996	10.13	30.03	30.08	29.91
25	48000	960018	3840014	23039996	10.64	31.50	31.45	31.44
26	50000	1000018	4000014	23999996	11.12	32.78	32.99	32.93
27	52000	1040018	4160014	24959996	11.58	34.47	34.49	34.43
28	54000	1080018	4320014	25919996	12.15	36.02	35.83	35.88
29	56000	1120018	4480014	26879996	12.47	37.38	37.29	37.21
30	58000	1160018	4640014	27839996	12.93	38.73	38.77	38.88
31	60000	1200018	4800014	28799996	13.28	40.38	40.30	40.28
32	62000	1240018	4960014	29759996	13.92	41.88	41.94	41.75
33	64000	1280018	5120014	30719996	14.25	43.41	43.36	43.27
34	66000	1320018	5280014	31679996	14.74	44.98	44.88	44.75
35	68000	1360018	5440014	32639996	15.32	46.11	46.20	46.35
36	70000	1400018	5600014	33599996	15.72	47.74	47.62	48.00
37	72000	1440018	5760014	34559996	16.16	49.21	49.26	49.29

38	74000	1480018	5920014	35519996	16.52	50.94	50.74	50.88
39	76000	1520018	6080014	36479996	17.15	52.47	52.44	52.30
40	78000	1560018	6240014	37439996	17.53	53.91	53.73	53.88
41	80000	1600018	6400014	38399996	17.88	55.44	55.30	55.46
42	82000	1640018	6560014	39359996	18.36	57.01	57.05	56.87
43	84000	1680018	6720014	40319996	18.88	58.59	58.53	58.37
44	86000	1720018	6880014	41279996	19.37	59.91	60.01	59.83
45	88000	1760018	7040014	42239996	19.71	61.73	61.43	61.43
46	90000	1800018	7200014	43199996	20.17	63.02	62.95	63.01
47	92000	1840018	7360014	44159996	20.64	64.53	64.38	64.46
48	94000	1880018	7520014	45119996	21.21	65.92	66.23	66.07
49	96000	1920018	7680014	46079996	21.52	67.54	67.58	67.38
50	98000	1960018	7840014	47039996	22.12	69.00	68.81	69.10
51	100000	2000018	8000014	47999996	22.48	70.75	70.58	70.42

Table 423: *xor*2-width10chain-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	78	254	1436	0.00	0.00	0.00	0.00
2	2000	40018	160014	959996	to	487.25	487.11	313.59
3	4000	80018	320014	1919996	to	2010.45	2012.18	1456.48
4	6000	120018	480014	2879996		to	to	to

Table 424: *xor*2-width10chain-picosat

9.11 width2chain

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	14	46	252	0.00	0.00	0.00	0.00
2	10000	40002	159998	959964	2.13	2.64	2.58	2.57
3	20000	80002	319998	1919964	4.31	5.41	5.48	5.45
4	30000	120002	479998	2879964	6.36	8.19	8.13	8.20
5	40000	160002	639998	3839964	7.73	11.43	11.47	11.39
6	50000	200002	799998	4799964	9.80	13.89	13.82	13.78
7	60000	240002	959998	5759964	11.34	16.68	16.64	16.62
8	70000	280002	1119998	6719964	12.30	18.04	18.04	18.86
9	80000	320002	1279998	7679964	13.99	21.20	21.28	20.50
10	90000	360002	1439998	8639964	15.00	23.71	23.72	22.71
11	100000	400002	1599998	9599964	16.33	25.17	25.13	25.16
12	110000	440002	1759998	10559964	17.36	27.74	27.81	27.89
13	120000	480002	1919998	11519964	19.22	28.81	28.88	30.25
14	130000	520002	2079998	12479964	20.03	32.52	32.50	32.66
15	140000	560002	2239998	13439964	21.88	35.13	35.06	34.99
16	150000	600002	2399998	14399964	22.86	35.59	35.44	37.21
17	160000	640002	2559998	15359964	24.51	39.64	39.53	39.65
18	170000	680002	2719998	16319964	25.41	40.32	40.33	41.84
19	180000	720002	2879998	17279964	26.48	44.38	44.47	42.22
20	190000	760002	3039998	18239964	27.41	44.73	44.63	46.91
21	200000	800002	3199998	19199964	29.55	49.01	48.88	46.66
22	210000	840002	3359998	20159964	29.54	47.12	47.21	49.72
23	220000	880002	3519998	21119964	31.16	51.70	51.63	52.08
24	230000	920002	3679998	22079964	32.16	51.47	51.52	54.07
25	240000	960002	3839998	23039964	32.20	56.42	56.42	56.30
26	250000	1000002	3999998	23999964	34.93	58.49	58.46	58.38
27	260000	1040002	4159998	24959964	36.68	57.72	57.67	61.52
28	270000	1080002	4319998	25919964	37.24	60.08	60.03	63.39
29	280000	1120002	4479998	26879964	37.32	65.78	66.27	66.09
30	290000	1160002	4639998	27839964	40.00	68.33	68.37	68.85
31	300000	1200002	4799998	28799964	40.22	70.78	70.81	70.69
32	310000	1240002	4959998	29759964	42.31	69.40	69.23	68.86

33	320000	1280002	5119998	30719964	43.57	75.47	75.64	75.45
34	330000	1320002	5279998	31679964	44.99	77.85	77.31	74.14
35	340000	1360002	5439998	32639964	46.27	79.84	79.86	79.63
36	350000	1400002	5599998	33599964	47.27	78.10	78.05	77.87
37	360000	1440002	5759998	34559964	47.45	85.07	84.79	84.86
38	370000	1480002	5919998	35519964	49.91	86.81	87.03	82.89
39	380000	1520002	6079998	36479964	49.83	89.53	89.38	84.41
40	390000	1560002	6239998	37439964	52.06	91.87	92.04	91.64
41	400000	1600002	6399998	38399964	53.76	94.30	94.16	93.75
42	410000	1640002	6559998	39359964	54.10	91.49	91.57	91.29
43	420000	1680002	6719998	40319964	54.59	94.20	94.88	94.01
44	430000	1720002	6879998	41279964	55.22	95.93	96.00	101.65
45	440000	1760002	7039998	42239964	58.51	98.10	98.22	103.28
46	450000	1800002	7199998	43199964	58.29	106.52	106.13	106.45
47	460000	1840002	7359998	44159964	60.43	102.95	103.62	102.31
48	470000	1880002	7519998	45119964	60.87	110.52	110.68	110.23
49	480000	1920002	7679998	46079964	61.74	112.35	112.29	113.14
50	490000	1960002	7839998	47039964	65.10	112.78	109.52	115.63
51	500000	2000002	7999998	47999964	66.94	117.81	117.74	117.62

Table 425: *xor*2-width2chain-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	14	46	252	0.00	0.00	0.00	0.00
2	10000	40002	159998	959964	59.95	68.92	68.96	135.40
3	20000	80002	319998	1919964	216.60	299.74	327.37	340.44
4	30000	120002	479998	2879964	633.24	697.04	691.20	784.48
5	40000	160002	639998	3839964	1023.01	1239.03	1240.06	1108.69
6	50000	200002	799998	4799964	1358.66	2017.97	2012.15	1929.49
7	60000	240002	959998	5759964	2651.70	2650.95	2677.88	2997.49
8	70000	280002	1119998	6719964		to	to	to

Table 426: *xor*2-width2chain-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	14	46	252	0.00	0.00	0.00	0.00
2	10000	40002	159998	959964	0.38	0.70	0.69	0.70
3	20000	80002	319998	1919964	0.82	1.64	1.63	1.65
4	30000	120002	479998	2879964	1.21	2.74	2.71	2.71
5	40000	160002	639998	3839964	1.62	3.86	3.83	3.84
6	50000	200002	799998	4799964	2.04	5.06	5.06	4.95
7	60000	240002	959998	5759964	2.49	6.25	6.26	6.22
8	70000	280002	1119998	6719964	2.88	7.51	7.43	7.53
9	80000	320002	1279998	7679964	3.33	8.71	8.66	8.74
10	90000	360002	1439998	8639964	3.64	10.08	10.08	10.05
11	100000	400002	1599998	9599964	4.15	11.35	11.30	11.34
12	110000	440002	1759998	10559964	4.49	12.84	12.62	12.63
13	120000	480002	1919998	11519964	4.99	14.04	13.97	13.96
14	130000	520002	2079998	12479964	5.44	15.46	15.32	15.30
15	140000	560002	2239998	13439964	5.84	16.74	16.65	16.68
16	150000	600002	2399998	14399964	6.27	18.07	17.96	17.99
17	160000	640002	2559998	15359964	6.73	19.42	19.36	19.37
18	170000	680002	2719998	16319964	7.09	20.82	20.82	20.78
19	180000	720002	2879998	17279964	7.51	22.19	22.22	22.15
20	190000	760002	3039998	18239964	7.86	23.56	23.61	23.56
21	200000	800002	3199998	19199964	8.34	25.05	24.90	25.00
22	210000	840002	3359998	20159964	8.74	26.46	26.37	26.32
23	220000	880002	3519998	21119964	9.09	27.88	27.83	27.73
24	230000	920002	3679998	22079964	9.63	29.15	29.09	29.33
25	240000	960002	3839998	23039964	10.11	30.57	30.48	30.63

26	250000	1000002	3999998	23999964	10.50	32.01	32.00	31.93
27	260000	1040002	4159998	24959964	10.85	33.45	33.35	33.52
28	270000	1080002	4319998	25919964	11.31	34.92	34.75	34.96
29	280000	1120002	4479998	26879964	11.67	36.12	36.45	36.27
30	290000	1160002	4639998	27839964	12.12	37.73	37.73	37.86
31	300000	1200002	4799998	28799964	12.66	39.16	39.07	39.30
32	310000	1240002	4959998	29759964	13.02	40.63	40.68	40.60
33	320000	1280002	5119998	30719964	13.49	41.96	42.11	42.12
34	330000	1320002	5279998	31679964	13.71	43.53	43.61	43.57
35	340000	1360002	5439998	32639964	14.45	45.14	45.18	44.97
36	350000	1400002	5599998	33599964	14.79	46.47	46.52	46.42
37	360000	1440002	5759998	34559964	15.12	48.06	48.14	47.89
38	370000	1480002	5919998	35519964	15.56	49.33	49.49	49.24
39	380000	1520002	6079998	36479964	15.93	50.97	50.77	50.82
40	390000	1560002	6239998	37439964	16.37	52.42	52.30	52.30
41	400000	1600002	6399998	38399964	16.91	53.76	53.96	53.96
42	410000	1640002	6559998	39359964	17.25	55.41	55.28	55.20
43	420000	1680002	6719998	40319964	17.72	57.10	56.69	56.94
44	430000	1720002	6879998	41279964	18.20	58.24	58.32	58.27
45	440000	1760002	7039998	42239964	18.67	60.08	59.76	59.71
46	450000	1800002	7199998	43199964	18.99	61.30	61.28	61.52
47	460000	1840002	7359998	44159964	19.28	63.05	62.86	62.87
48	470000	1880002	7519998	45119964	20.03	64.30	64.44	64.25
49	480000	1920002	7679998	46079964	20.13	65.85	65.93	65.70
50	490000	1960002	7839998	47039964	20.69	67.24	67.09	67.13
51	500000	2000002	7999998	47999964	21.04	68.92	68.88	68.72

Table 427: *xor*2-width2chain-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	14	46	252	0.00	0.00	0.00	0.00
2	10000	40002	159998	959964	544.39	330.10	723.27	850.45
3	20000	80002	319998	1919964	1074.65	1574.48	1577.63	1437.69
4	30000	120002	479998	2879964	to	to	to	

Table 428: *xor*2-width2chain-picosat

9.12 width5chain

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	38	124	696	0.00	0.00	0.00	0.00
2	4000	40008	160004	959976	2.21	2.57	2.55	2.55
3	8000	80008	320004	1919976	4.40	5.59	5.62	5.46
4	12000	120008	480004	2879976	6.36	8.30	8.25	8.52
5	16000	160008	640004	3839976	8.24	11.07	11.18	11.48
6	20000	200008	800004	4799976	10.14	14.49	14.45	14.37
7	24000	240008	960004	5759976	11.47	16.25	16.28	16.71
8	28000	280008	1120004	6719976	12.87	18.95	19.04	18.23
9	32000	320008	1280004	7679976	14.15	21.73	21.62	21.54
10	36000	360008	1440004	8639976	15.65	24.10	24.09	24.14
11	40000	400008	1600004	9599976	17.01	26.45	26.47	26.66
12	44000	440008	1760004	10559976	18.13	27.94	27.98	28.04
13	48000	480008	1920004	11519976	19.21	30.41	30.53	29.12
14	52000	520008	2080004	12479976	20.52	32.70	32.78	31.36
15	56000	560008	2240004	13439976	21.87	34.96	34.98	33.47
16	60000	600008	2400004	14399976	23.28	37.64	37.72	37.61
17	64000	640008	2560004	15359976	23.71	39.82	39.94	39.92
18	68000	680008	2720004	16319976	25.85	42.18	42.32	42.08
19	72000	720008	2880004	17279976	27.37	44.93	44.96	44.68
20	76000	760008	3040004	18239976	28.46	47.48	47.03	46.98

21	80000	800008	3200004	19199976	30.26	49.45	49.40	47.15
22	84000	840008	3360004	20159976	29.27	49.89	49.92	50.03
23	88000	880008	3520004	21119976	31.21	52.30	51.90	52.10
24	92000	920008	3680004	22079976	32.68	54.70	54.44	54.64
25	96000	960008	3840004	23039976	32.87	57.13	56.98	56.88
26	100000	1000008	4000004	23999976	35.44	59.05	58.99	59.14
27	104000	1040008	4160004	24959976	36.60	61.44	61.44	61.69
28	108000	1080008	4320004	25919976	37.66	63.85	63.93	63.85
29	112000	1120008	4480004	26879976	38.95	66.20	65.85	66.13
30	116000	1160008	4640004	27839976	40.43	64.95	64.98	68.94
31	120000	1200008	4800004	28799976	41.81	71.25	70.61	71.06
32	124000	1240008	4960004	29759976	42.95	73.50	73.39	73.15
33	128000	1280008	5120004	30719976	43.93	75.35	75.46	75.37
34	132000	1320008	5280004	31679976	45.51	78.39	78.34	78.25
35	136000	1360008	5440004	32639976	46.94	80.55	80.56	80.61
36	140000	1400008	5600004	33599976	47.65	82.53	82.44	82.76
37	144000	1440008	5760004	34559976	49.32	84.78	84.92	85.43
38	148000	1480008	5920004	35519976	49.29	87.68	87.70	87.29
39	152000	1520008	6080004	36479976	51.92	90.02	89.90	89.93
40	156000	1560008	6240004	37439976	53.23	92.05	92.48	92.46
41	160000	1600008	6400004	38399976	54.36	95.51	94.86	89.68
42	164000	1640008	6560004	39359976	55.21	97.53	97.60	96.64
43	168000	1680008	6720004	40319976	57.06	99.31	99.44	99.69
44	172000	1720008	6880004	41279976	57.93	101.95	101.86	101.40
45	176000	1760008	7040004	42239976	59.70	98.35	98.57	104.49
46	180000	1800008	7200004	43199976	60.58	109.34	107.10	106.21
47	184000	1840008	7360004	44159976	61.49	108.93	109.38	103.16
48	188000	1880008	7520004	45119976	63.60	111.11	111.08	111.31
49	192000	1920008	7680004	46079976	64.82	113.91	114.22	113.72
50	196000	1960008	7840004	47039976	66.82	117.73	117.17	109.91
51	200000	2000008	8000004	47999976	65.28	119.18	119.11	118.73

Table 429: *xor*2-width5chain-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	38	124	696	0.00	0.00	0.00	0.00
2	4000	40008	160004	959976	82.34	67.28	67.33	88.54
3	8000	80008	320004	1919976	268.37	299.42	299.41	306.93
4	12000	120008	480004	2879976	522.04	624.93	625.88	617.42
5	16000	160008	640004	3839976	1030.51	1217.37	1209.84	1137.87
6	20000	200008	800004	4799976	1494.59	1667.31	1667.22	1757.25
7	24000	240008	960004	5759976	2152.06	2418.59	2425.68	2455.11
8	28000	280008	1120004	6719976	2666.34	3199.45	3198.19	3194.31
9	32000	320008	1280004	7679976		to	to	to

Table 430: *xor*2-width5chain-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	38	124	696	0.00	0.00	0.00	0.00
2	4000	40008	160004	959976	0.44	0.73	0.71	0.73
3	8000	80008	320004	1919976	0.87	1.70	1.69	1.72
4	12000	120008	480004	2879976	1.29	2.77	2.78	2.74
5	16000	160008	640004	3839976	1.77	3.97	3.98	3.89
6	20000	200008	800004	4799976	2.96	5.17	5.17	5.03
7	24000	240008	960004	5759976	2.61	6.38	6.32	6.40
8	28000	280008	1120004	6719976	3.10	7.72	7.72	7.67
9	32000	320008	1280004	7679976	3.50	8.92	9.00	9.00
10	36000	360008	1440004	8639976	3.91	10.38	10.35	10.31
11	40000	400008	1600004	9599976	4.38	11.66	11.71	11.66
12	44000	440008	1760004	10559976	4.83	13.14	13.00	13.05

13	48000	480008	1920004	11519976	5.32	14.52	14.63	14.53
14	52000	520008	2080004	12479976	5.76	15.79	15.79	15.79
15	56000	560008	2240004	13439976	6.25	17.28	17.14	17.27
16	60000	600008	2400004	14399976	6.62	18.49	18.50	18.59
17	64000	640008	2560004	15359976	7.09	19.90	19.86	20.00
18	68000	680008	2720004	16319976	7.42	21.42	21.40	21.33
19	72000	720008	2880004	17279976	7.98	22.84	22.79	22.88
20	76000	760008	3040004	18239976	8.46	24.20	24.19	24.31
21	80000	800008	3200004	19199976	8.87	25.88	25.75	25.58
22	84000	840008	3360004	20159976	9.38	27.04	27.16	27.04
23	88000	880008	3520004	21119976	9.77	28.62	28.57	28.51
24	92000	920008	3680004	22079976	10.23	29.99	30.00	29.95
25	96000	960008	3840004	23039976	10.55	31.58	31.35	31.49
26	100000	1000008	4000004	23999976	11.07	32.83	32.80	32.86
27	104000	1040008	4160004	24959976	11.50	34.24	34.13	34.58
28	108000	1080008	4320004	25919976	12.03	35.75	35.74	35.87
29	112000	1120008	4480004	26879976	12.48	37.21	37.26	37.43
30	116000	1160008	4640004	27839976	12.99	38.82	38.74	38.75
31	120000	1200008	4800004	28799976	13.24	40.24	40.29	40.33
32	124000	1240008	4960004	29759976	13.78	41.58	41.70	41.73
33	128000	1280008	5120004	30719976	14.41	43.23	43.29	43.30
34	132000	1320008	5280004	31679976	14.70	44.66	44.59	44.78
35	136000	1360008	5440004	32639976	15.21	46.33	46.21	46.11
36	140000	1400008	5600004	33599976	15.53	47.69	47.56	47.57
37	144000	1440008	5760004	34559976	16.04	49.33	49.17	49.08
38	148000	1480008	5920004	35519976	16.35	50.65	50.83	50.65
39	152000	1520008	6080004	36479976	16.91	52.29	52.32	52.15
40	156000	1560008	6240004	37439976	17.41	53.80	53.84	53.92
41	160000	1600008	6400004	38399976	17.90	55.21	55.34	55.21
42	164000	1640008	6560004	39359976	18.41	56.87	57.08	57.04
43	168000	1680008	6720004	40319976	18.67	58.32	58.23	58.38
44	172000	1720008	6880004	41279976	19.23	59.86	59.72	59.83
45	176000	1760008	7040004	42239976	19.65	61.42	61.29	61.44
46	180000	1800008	7200004	43199976	20.10	62.87	62.98	62.90
47	184000	1840008	7360004	44159976	20.49	64.46	64.46	64.32
48	188000	1880008	7520004	45119976	20.99	66.13	66.06	65.96
49	192000	1920008	7680004	46079976	21.38	67.53	67.68	67.52
50	196000	1960008	7840004	47039976	21.86	68.86	69.02	68.99
51	200000	2000008	8000004	47999976	22.53	70.54	70.40	70.46

Table 431: *xor*2-width5chain-minisatsimp

♯	**par**	**vars**	**clauses**	**literals**	**C**	**R1**	**R2**	**R3**
1	3	38	124	696	0.00	0.00	0.00	0.00
2	4000	40008	160004	959976	to	405.43	607.73	392.28
3	8000	80008	320004	1919976	to	1590.52	2197.42	2389.27
4	12000	120008	480004	2879976		to	to	to

Table 432: *xor*2-width5chain-picosat

10 $xor3$

10.1 bintree

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	9	76	612	0.00	0.00	0.00	0.00
2	2	21	212	1788	0.00	0.00	0.00	0.00
3	3	45	484	4140	0.00	0.00	0.00	0.00
4	4	93	1028	8844	0.01	0.00	0.01	0.01
5	5	189	2116	18252	0.03	0.03	0.03	0.03
6	6	381	4292	37068	0.07	0.07	0.07	0.07
7	7	765	8644	74700	0.15	0.14	0.14	0.14
8	8	1533	17348	149964	0.30	0.30	0.30	0.30
9	9	3069	34756	300492	0.65	0.61	0.62	0.62
10	10	6141	69572	601548	1.20	1.15	1.14	1.12
11	11	12285	139204	1203660	1.81	2.00	1.99	2.01
12	12	24573	278468	2407884	2.96	3.80	3.84	3.82
13	13	49149	556996	4816332	4.98	6.93	6.87	6.87
14	14	98301	1114052	9633228	8.21	12.01	12.06	12.13
15	15	196605	2228164	19267020	14.93	22.92	22.97	22.77
16	16	393213	4456388	38534604	28.21	45.54	45.54	46.08
17	17	786429	8912836	77069772	54.84	94.16	94.05	93.36
18	18	1572861	17825732	154140108	to	to	to	

Table 433: $xor3$-bintree-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	9	76	612	0.00	0.00	0.00	0.00
2	2	21	212	1788	0.00	0.00	0.00	0.00
3	3	45	484	4140	0.00	0.00	0.00	0.00
4	4	93	1028	8844	0.00	0.00	0.00	0.00
5	5	189	2116	18252	0.01	0.01	0.01	0.01
6	6	381	4292	37068	0.02	0.03	0.03	0.02
7	7	765	8644	74700	0.07	0.07	0.07	0.07
8	8	1533	17348	149964	0.16	0.18	0.17	0.18
9	9	3069	34756	300492	0.41	0.46	0.47	0.55
10	10	6141	69572	601548	1.57	2.18	2.19	2.54
11	11	12285	139204	1203660	6.12	8.63	8.62	8.31
12	12	24573	278468	2407884	13.87	20.08	20.20	25.45
13	13	49149	556996	4816332	40.75	105.02	105.27	93.44
14	14	98301	1114052	9633228	193.40	294.38	295.58	296.96
15	15	196605	2228164	19267020	886.74	1353.51	1359.69	1363.17
16	16	393213	4456388	38534604	to		to	to

Table 434: $xor3$-bintree-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	9	76	612	0.00	0.00	0.00	0.00
2	2	21	212	1788	0.00	0.00	0.00	0.00
3	3	45	484	4140	0.00	0.00	0.00	0.00
4	4	93	1028	8844	0.00	0.00	0.00	0.00
5	5	189	2116	18252	0.01	0.01	0.00	0.01
6	6	381	4292	37068	0.02	0.04	0.04	0.03
7	7	765	8644	74700	0.05	0.08	0.07	0.08
8	8	1533	17348	149964	0.08	0.17	0.17	0.17
9	9	3069	34756	300492	0.21	0.34	0.34	0.35
10	10	6141	69572	601548	0.42	0.71	0.72	0.71
11	11	12285	139204	1203660	0.89	1.53	1.55	1.53
12	12	24573	278468	2407884	1.75	3.52	3.50	3.50

13	13	49149	556996	4816332	3.59	7.78	7.81	7.75
14	14	98301	1114052	9633228	7.09	16.83	16.75	16.83
15	15	196605	2228164	19267020	14.32	36.45	36.53	36.46
16	16	393213	4456388	38534604	28.74	78.36	78.40	78.57
17	17	786429	8912836	77069772	57.74	166.77	166.66	167.02
18	18	1572861	17825732	154140108	116.01	357.47	357.32	358.66
19	19	3145725	35651524	308280780	232.71	769.11	769.60	870.84
20	20	6291453	71303108	616562124	470.66	1916.33	1646.32	1958.85

Table 435: *xor*3-bintree-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	9	76	612	0.00	0.00	0.00	0.00
2	2	21	212	1788	0.00	0.00	0.00	0.00
3	3	45	484	4140	0.00	0.01	0.01	0.00
4	4	93	1028	8844	0.00	0.03	0.03	0.01
5	5	189	2116	18252	0.04	0.18	0.18	0.04
6	6	381	4292	37068	0.06	0.59	0.60	0.19
7	7	765	8644	74700	0.58	2.77	2.05	1.03
8	8	1533	17348	149964	0.55	11.48	11.41	2.15
9	9	3069	34756	300492	0.61	6.37	12.26	6.74
10	10	6141	69572	601548	3.20	48.97	48.68	36.52
11	11	12285	139204	1203660	8.70	95.13	95.04	139.76
12	12	24573	278468	2407884	8.65	951.25	950.98	1838.47
13	13	49149	556996	4816332	20.52	to	to	2353.24
14	14	98301	1114052	9633228		to	to	to

Table 436: *xor*3-bintree-picosat

10.2 gtb

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	63	1108	9852	0.08	0.06	0.06	0.08
2	6	132	2460	21972	0.24	0.44	0.44	0.30
3	8	237	4580	41004	0.29	0.51	0.51	0.52
4	10	414	8236	73860	859.89	1.35	1.33	35.21
5	12	465	9204	82524	1.52	1.60	1.59	3.53
6	16	789	15876	142476	1.08	1.06	1.08	1.05
7	20	1281	26132	234684	4.78	44.33	44.40	2.79
8	24	1473	29988	269292	6.62	2.53	2.55	to
9	32	2397	49220	442188	2.75	2.77	2.77	2.87
10	40	3705	76644	688812	12.05	to	to	to

Table 437: *xor*3-gtb-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	63	1108	9852	0.02	0.03	0.03	0.01
2	6	132	2460	21972	0.22	0.08	0.08	0.47
3	8	237	4580	41004	0.76	1.22	1.22	0.38
4	10	414	8236	73860	1.45	16.97	16.90	8.30
5	12	465	9204	82524	4.34	1.92	1.93	3.60
6	16	789	15876	142476	11.88	4.90	4.91	3.70
7	20	1281	26132	234684	313.32	52.21	52.27	300.46
8	24	1473	29988	269292	189.05	135.84	136.26	33.56
9	32	2397	49220	442188	342.46	541.13	539.35	73.02
10	40	3705	76644	688812	2929.52	2930.20	2931.96	3467.53
11	48	4317	89220	801804	1144.74	665.80	666.97	1706.11
12	64	6813	141508	1272012	1191.64	1594.18	1588.82	1255.95

13	80	10173	212228	1908108		to	to	to

Table 438: *xor*3-gtb-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	63	1108	9852	0.00	0.01	0.01	0.01
2	6	132	2460	21972	0.02	0.03	0.03	0.03
3	8	237	4580	41004	0.03	0.05	0.05	0.05
4	10	414	8236	73860	0.06	0.11	0.11	0.10
5	12	465	9204	82524	0.06	0.12	0.12	0.12
6	16	789	15876	142476	0.12	0.22	0.22	0.22
7	20	1281	26132	234684	0.23	0.37	0.36	0.36
8	24	1473	29988	269292	0.24	0.43	0.43	0.42
9	32	2397	49220	442188	0.44	0.70	0.72	0.72
10	40	3705	76644	688812	0.69	1.15	1.16	1.16
11	48	4317	89220	801804	0.79	1.35	1.36	1.36
12	64	6813	141508	1272012	1.31	2.25	2.26	2.35
13	80	10173	212228	1908108	1.91	3.75	3.70	3.73
14	96	11949	249156	2240076	2.22	4.53	4.50	4.52
15	128	18429	385476	3466188	3.84	7.69	7.66	7.68
16	160	26829	562756	5060940	5.21	11.63	11.62	11.64
17	192	31677	664260	5973708	6.19	14.01	13.93	13.96
18	256	47997	1008580	9071052	10.58	22.38	22.36	22.35
19	320	68541	1443012	12979404	13.72	32.51	32.47	32.57
20	384	81213	1709508	15376332	16.74	39.16	39.19	39.22
21	512	121341	2557892	23008716	28.14	61.20	61.34	61.41
22	640	170685	3602884	32410572	35.26	87.91	87.79	87.90
23	768	202749	4279236	38494668	43.67	106.02	106.37	106.13
24	1000	297921	6295652	56636844	62.92	162.78	162.54	164.10
25	1024	299517	6328260	56929740	72.37	163.45	164.81	163.87
26	1250	414504	8767756	78879780	81.39	230.73	230.73	230.49
27	1280	416253	8803268	79198668	89.81	231.51	231.50	231.70
28	1500	491829	10402356	93585180	94.67	279.60	278.63	279.10
29	1536	495357	10475460	94242252	111.01	281.17	281.00	281.98
30	1750	660480	13985244	125825172	125.44	388.71	388.99	389.69
31	2000	720381	15248132	137185164	153.18	429.02	429.23	428.70
32	2048	724989	15343556	138042828	181.30	433.86	433.81	432.50
33	2250	932196	19751852	177712644	185.13	565.07	565.54	568.16
34	2500	992505	21023444	189150972	195.56	606.78	606.58	607.18
35	2560	997629	21129156	190100940	222.88	609.89	612.53	612.55
36	2750	1118940	23705724	213285492	225.15	695.14	696.75	696.61
37	3000	1179249	24977316	224723820	228.06	741.21	738.44	740.52
38	3072	1188861	25178052	226528716	274.88	750.37	747.76	747.78
39	3250	1506264	31938636	287369700	291.42	977.99	979.06	978.81
40	3500	1566165	33201524	298729692	298.93	1076.14	1023.11	1025.83
41	3750	1654944	35080476	315634260	323.91	1089.56	1238.98	1094.60
42	4000	1713837	36321860	326800716	368.39	1311.27	1134.18	1135.11
43	4096	1726461	36585412	329170380	443.56	1326.70	1142.60	1153.05
44	4250	2133012	45249260	407141316	422.86	1422.87	1641.43	1702.25
45	4500	2193321	46520852	418579644	440.77	1466.85	1823.55	1467.62
46	4750	2281692	48391100	435405876	462.45	1532.66	1534.18	1533.71
47	5000	2342001	49662692	446844204	465.59	1577.33	1989.84	1807.78
48	5120	2356221	49958852	449506764	545.52	1588.88	1934.73	1590.60
49	5250	2586072	54854540	493564836	516.93	1774.33	1772.03	2215.45
50	5500	2636997	55925940	503201436	540.27	2249.07	2084.55	1838.17
51	5750	2725776	57804892	520106004	543.59	1870.22	2392.55	1871.45
52	6000	2785677	59067780	531465996	544.96	2470.86	2205.52	1929.23
53	6144	2810877	59596740	536223180	675.62	2442.50	1935.69	1937.12
54	6250	3456756	73369132	660172164	674.63	2836.08	2693.99	2444.05
55	6500	3517065	74640724	671610492	690.15	2535.22	2492.83	mo
56	6750	3604428	76489468	688243188	718.56	3148.03	2573.51	mo

57	7000	3664737	77761060	699681516	711.39	3124.91	2606.80	mo
58	7250	3816648	80986828	728707428	746.18	3118.07	3291.84	mo
59	7500	3876549	82249716	740067420	768.93	3408.67	2778.64	mo
60	7750	3965328	84128668	756971988	813.94	3267.88	2879.67	mo
61	8000	4021821	85318852	767677644	890.27	3333.75	3087.70	mo
62	8192	4055037	86015940	773946828	1080.51	3107.65	3085.99	mo

Table 439: *xor*3-gtb-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	63	1108	9852	0.31	0.98	1.83	0.11
2	6	132	2460	21972	7.10	3.68	4.04	19.82
3	8	237	4580	41004	2802.12	to	to	to

Table 440: *xor*3-gtb-picosat

10.3 pyr10seq

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	783	14248	127224	0.42	0.41	0.42	0.42
2	250	48753	890008	7950024	13.26	18.47	18.47	18.53
3	500	97503	1780008	15900024	92.29	52.18	51.96	50.75
4	750	146253	2670008	23850024	196.88	106.31	106.39	106.26
5	1000	195003	3560008	31800024	175.27	173.08	173.79	172.58
6	1250	243753	4450008	39750024	221.67	240.97	241.95	243.16
7	1500	292503	5340008	47700024	322.47	315.85	315.17	316.67
8	1750	341253	6230008	55650024	312.24	375.93	373.85	379.27
9	2000	390003	7120008	63600024	368.35	441.51	441.01	442.26
10	2250	438753	8010008	71550024	479.66	502.88	501.30	511.37
11	2500	487503	8900008	79500024	499.70	561.86	564.10	566.39
12	2750	536253	9790008	87450024	516.49	629.77	631.02	630.27
13	3000	585003	10680008	95400024	587.06	693.55	694.61	691.60
14	3250	633753	11570008	103350024	820.34	757.78	758.01	763.35
15	3500	682503	12460008	111300024	760.90	821.55	823.22	819.14
16	3750	731253	13350008	119250024		mo	mo	mo

Table 441: *xor*3-pyr10seq-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	783	14248	127224	1.76	1.75	1.74	3.00
2	250	48753	890008	7950024	2172.14	1661.53	1670.48	2069.51
3	500	97503	1780008	15900024		to	to	to

Table 442: *xor*3-pyr10seq-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	783	14248	127224	0.10	0.18	0.18	0.18
2	250	48753	890008	7950024	7.16	17.49	17.49	17.58
3	500	97503	1780008	15900024	14.36	37.13	37.21	37.26
4	750	146253	2670008	23850024	21.56	57.96	57.94	57.96
5	1000	195003	3560008	31800024	29.34	79.19	78.99	79.10
6	1250	243753	4450008	39750024	36.02	100.65	100.66	100.71
7	1500	292503	5340008	47700024	43.13	123.10	123.19	122.87
8	1750	341253	6230008	55650024	50.59	145.11	145.23	145.18
9	2000	390003	7120008	63600024	57.90	168.02	167.83	168.01
10	2250	438753	8010008	71550024	64.83	191.18	190.51	190.95
11	2500	487503	8900008	79500024	72.34	213.98	214.31	213.73

12	2750	536253	9790008	87450024	79.43	237.44	237.77	237.55
13	3000	585003	10680008	95400024	86.81	261.47	261.33	261.00
14	3250	633753	11570008	103350024	94.37	284.93	285.18	284.87
15	3500	682503	12460008	111300024	101.27	309.35	309.23	309.22
16	3750	731253	13350008	119250024	108.83	333.98	333.73	333.67
17	4000	780003	14240008	127200024	115.93	359.47	358.63	358.84
18	4250	828753	15130008	135150024	123.08	383.79	385.49	384.21
19	4500	877503	16020008	143100024	130.48	408.82	409.02	408.90
20	4750	926253	16910008	151050024	137.54	434.18	433.83	434.06
21	5000	975003	17800008	159000024	145.31	459.43	458.99	458.84
22	5250	1023753	18690008	166950024	152.47	485.21	485.30	483.23
23	5500	1072503	19580008	174900024	159.66	510.40	511.08	510.84
24	5750	1121253	20470008	182850024	167.11	537.34	538.31	538.09
25	6000	1170003	21360008	190800024	174.04	563.21	562.72	563.28
26	6250	1218753	22250008	198750024	181.80	591.05	590.28	591.13
27	6500	1267503	23140008	206700024	188.92	614.62	616.86	616.04
28	6750	1316253	24030008	214650024	195.86	642.41	643.18	642.35
29	7000	1365003	24920008	222600024	203.93	668.87	669.63	669.86
30	7250	1413753	25810008	230550024	210.84	696.72	698.43	697.64
31	7500	1462503	26700008	238500024	218.57	723.37	723.23	722.57
32	7750	1511253	27590008	246450024	225.51	749.74	753.36	750.09
33	8000	1560003	28480008	254400024	233.14	776.14	778.18	776.85
34	8250	1608753	29370008	262350024	239.69	804.00	805.48	805.93
35	8500	1657503	30260008	270300024	249.91	845.63	838.06	835.89
36	8750	1706253	31150008	278250024	257.51	863.36	884.28	865.71
37	9000	1755003	32040008	286200024	265.16	890.34	892.71	891.82
38	9250	1803753	32930008	294150024	269.87	919.60	915.47	985.84
39	9500	1852503	33820008	302100024	277.87	1066.49	946.94	945.64
40	9750	1901253	34710008	310050024	285.75	968.64	970.10	968.12
41	10000	1950003	35600008	318000024	291.19	1078.47	1154.99	995.87
42	10250	1998753	36490008	325950024	298.67	1022.63	1024.07	1197.79
43	10500	2047503	37380008	333900024	306.04	1154.49	1050.98	1248.99
44	10750	2096253	38270008	341850024	316.85	1080.07	1077.82	1082.99
45	11000	2145003	39160008	349800024	323.53	1107.98	1221.84	1105.26
46	11250	2193753	40050008	357750024	326.86	1131.90	1129.91	1279.81
47	11500	2242503	40940008	365700024	335.39	1162.42	1163.33	1385.12
48	11750	2291253	41830008	373650024	341.80	1189.45	1189.35	1360.29
49	12000	2340003	42720008	381600024	352.74	1220.26	1219.81	1215.17
50	12250	2388753	43610008	389550024	356.97	1431.16	1244.60	1491.10
51	12500	2437503	44500008	397500024	364.57	1503.32	1271.95	1290.40
52	12750	2486253	45390008	405450024	372.94	1300.76	1548.27	1300.76
53	13000	2535003	46280008	413400024	381.47	1330.32	1621.49	1331.55
54	13250	2583753	47170008	421350024	389.68	1375.10	1357.38	1653.92
55	13500	2632503	48060008	429300024	393.85	1386.00	1386.49	1665.18
56	13750	2681253	48950008	437250024	400.88	1413.86	1736.74	1415.82
57	14000	2730003	49840008	445200024	409.47	1445.79	1785.38	1441.98
58	14250	2778753	50730008	453150024	416.56	1818.41	1497.11	1674.80
59	14500	2827503	51620008	461100024	422.95	1722.05	1497.93	1804.58
60	14750	2876253	52510008	469050024	430.49	1524.45	1895.12	1788.10
61	15000	2925003	53400008	477000024	444.57	1556.55	1560.51	1775.27

Table 443: *xor*3-pyr10seq-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	783	14248	127224	to	to	to	

Table 444: *xor*3-pyr10seq-picosat

10.4 pyr1seq

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	27	280	2376	0.00	0.00	0.00	0.00
2	10000	60003	680008	5880024	7.63	9.60	9.67	9.75
3	20000	120003	1360008	11760024	10.45	17.04	17.13	17.07
4	30000	180003	2040008	17640024	15.86	24.76	24.76	24.75
5	40000	240003	2720008	23520024	21.21	32.34	32.30	32.37
6	50000	300003	3400008	29400024	24.73	40.78	40.39	40.38
7	60000	360003	4080008	35280024	26.93	48.18	48.02	48.26
8	70000	420003	4760008	41160024	31.50	56.21	56.68	57.04
9	80000	480003	5440008	47040024	36.72	64.83	64.80	64.48
10	90000	540003	6120008	52920024	41.07	72.64	72.55	72.62
11	100000	600003	6800008	58800024	43.17	80.81	80.53	81.43
12	110000	660003	7480008	64680024	46.72	89.01	89.08	88.93
13	120000	720003	8160008	70560024	49.55	97.40	97.52	97.30
14	130000	780003	8840008	76440024	59.03	106.07	106.12	106.34
15	140000	840003	9520008	82320024	56.45	114.35	113.81	114.28

Table 445: *xor*3-pyr1seq-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	27	280	2376	0.00	0.00	0.00	0.00
2	10000	60003	680008	5880024	1040.18	411.92	445.28	2321.52
3	20000	120003	1360008	11760024	to	to	to	

Table 446: *xor*3-pyr1seq-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	27	280	2376	0.00	0.00	0.00	0.00
2	10000	60003	680008	5880024	3.91	8.51	8.59	8.49
3	20000	120003	1360008	11760024	7.80	18.55	19.65	18.60
4	30000	180003	2040008	17640024	11.85	29.21	29.34	29.36
5	40000	240003	2720008	23520024	15.72	40.45	40.46	40.56
6	50000	300003	3400008	29400024	19.70	51.60	51.73	51.77
7	60000	360003	4080008	35280024	23.78	63.35	63.33	63.55
8	70000	420003	4760008	41160024	27.55	75.09	75.15	75.14
9	80000	480003	5440008	47040024	31.53	87.06	87.18	87.03
10	90000	540003	6120008	52920024	35.54	98.85	98.65	98.75
11	100000	600003	6800008	58800024	39.60	110.92	110.93	110.75
12	110000	660003	7480008	64680024	43.55	123.05	122.97	122.86
13	120000	720003	8160008	70560024	47.63	135.26	135.17	135.33
14	130000	780003	8840008	76440024	51.27	147.59	147.74	147.65
15	140000	840003	9520008	82320024	55.32	160.57	160.43	160.84

Table 447: *xor*3-pyr1seq-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	27	280	2376	0.00	0.00	0.00	0.00
2	10000	60003	680008	5880024		to	to	to

Table 448: *xor*3-pyr1seq-picosat

10.5 pyr3seq

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	111	1592	13992	0.02	0.02	0.02	0.03
2	2500	67503	990008	8730024	42.97	46.16	46.25	45.65

3	5000	135003	1980008	17460024	114.89	140.95	141.01	143.10
4	7500	202503	2970008	26190024	168.36	237.49	237.49	242.71
5	10000	270003	3960008	34920024	204.59	338.75	338.32	330.70
6	12500	337503	4950008	43650024	286.53	427.18	426.46	417.79
7	15000	405003	5940008	52380024	355.02	539.05	539.28	488.42
8	17500	472503	6930008	61110024	333.05	662.64	664.20	651.50
9	20000	540003	7920008	69840024	446.86	782.01	781.62	754.35
10	22500	607503	8910008	78570024	509.24	903.75	904.40	888.08
11	25000	675003	9900008	87300024	558.92	983.53	984.10	987.21
12	27500	742503	10890008	96030024	462.93	1113.22	1117.99	1098.16
13	30000	810003	11880008	104760024	mo	mo		mo

Table 449: *xor*3-pyr3seq-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	111	1592	13992	0.02	0.00	0.01	0.02
2	2500	67503	990008	8730024	2152.43	to	to	2117.73
3	5000	135003	1980008	17460024	to		to	to

Table 450: *xor*3-pyr3seq-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	111	1592	13992	0.01	0.01	0.01	0.01
2	2500	67503	990008	8730024	6.66	16.09	16.12	16.08
3	5000	135003	1980008	17460024	13.38	34.62	34.50	34.67
4	7500	202503	2970008	26190024	20.10	54.08	54.14	53.96
5	10000	270003	3960008	34920024	26.80	74.10	74.21	74.25
6	12500	337503	4950008	43650024	33.66	94.68	94.79	94.71
7	15000	405003	5940008	52380024	40.39	115.47	115.31	115.54
8	17500	472503	6930008	61110024	47.11	136.89	137.10	136.99
9	20000	540003	7920008	69840024	53.79	158.21	158.04	158.06
10	22500	607503	8910008	78570024	60.92	179.72	179.87	179.69
11	25000	675003	9900008	87300024	67.31	201.30	201.72	201.86
12	27500	742503	10890008	96030024	74.26	224.04	223.75	224.70
13	30000	810003	11880008	104760024	81.14	246.46	246.36	246.32
14	32500	877503	12870008	113490024	87.96	269.10	269.46	269.16
15	35000	945003	13860008	122220024	94.59	291.71	292.03	291.32
16	37500	1012503	14850008	130950024	101.15	314.97	314.48	314.76
17	40000	1080003	15840008	139680024	108.33	338.29	338.77	338.10
18	42500	1147503	16830008	148410024	115.22	362.28	362.13	361.98
19	45000	1215003	17820008	157140024	122.21	385.72	385.41	386.65
20	47500	1282503	18810008	165870024	128.76	410.02	409.52	409.79
21	50000	1350003	19800008	174600024	135.16	432.68	433.03	433.44
22	52500	1417503	20790008	183330024	142.13	456.96	458.11	457.63
23	55000	1485003	21780008	192060024	149.21	483.87	482.96	484.40
24	57500	1552503	22770008	200790024	155.75	507.09	507.74	506.60
25	60000	1620003	23760008	209520024	163.01	531.11	531.98	531.08
26	62500	1687503	24750008	218250024	169.56	556.52	556.42	555.52
27	65000	1755003	25740008	226980024	176.33	580.97	581.39	580.61
28	67500	1822503	26730008	235710024	183.10	606.23	606.13	605.83
29	70000	1890003	27720008	244440024	190.07	630.97	630.50	630.10
30	72500	1957503	28710008	253170024	196.78	664.78	655.56	655.54
31	75000	2025003	29700008	261900024	204.10	681.43	695.16	680.71
32	77500	2092503	30690008	270630024	214.31	705.31	734.24	705.33
33	80000	2160003	31680008	279360024	222.30	729.38	759.68	729.35
34	82500	2227503	32670008	288090024	224.29	937.08	756.31	754.38
35	85000	2295003	33660008	296820024	234.66	783.28	786.73	781.64
36	87500	2362503	34650008	305550024	241.74	807.37	808.28	817.74
37	90000	2430003	35640008	314280024	244.95	901.17	833.11	969.42
38	92500	2497503	36630008	323010024	257.06	940.43	860.33	860.93

39	95000	2565003	37620008	331740024	263.15	886.48	885.37	972.91
40	97500	2632503	38610008	340470024	267.55	909.36	1083.08	911.86
41	100000	2700003	39600008	349200024	271.95	1141.25	1048.10	936.15

Table 451: *xor*3-pyr3seq-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	111	1592	13992	0.04	0.37	0.19	0.05
2	2500	67503	990008	8730024	to	to		to

Table 452: *xor*3-pyr3seq-picosat

10.6 pyr5seq

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	243	3928	34824	0.11	0.11	0.11	0.09
2	1000	60003	980008	8700024	54.33	34.49	34.49	34.23
3	2000	120003	1960008	17400024	125.87	117.94	117.08	118.66
4	3000	180003	2940008	26100024	176.04	219.64	219.73	212.50
5	4000	240003	3920008	34800024	268.93	302.49	305.50	299.63
6	5000	300003	4900008	43500024	333.05	385.78	385.72	386.39
7	6000	360003	5880008	52200024	403.24	500.92	500.76	486.26
8	7000	420003	6860008	60900024	471.12	599.97	602.88	592.49
9	8000	480003	7840008	69600024	505.56	704.30	705.86	705.12
10	9000	540003	8820008	78300024	575.64	808.40	807.19	853.64
11	10000	600003	9800008	87000024	593.16	910.70	908.23	909.10
12	11000	660003	10780008	95700024	750.71	1013.72	1018.98	1007.22
13	12000	720003	11760008	104400024	783.83	mo	mo	mo

Table 453: *xor*3-pyr5seq-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	243	3928	34824	0.06	0.12	0.12	0.10
2	1000	60003	980008	8700024		to	to	to

Table 454: *xor*3-pyr5seq-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	243	3928	34824	0.02	0.04	0.04	0.04
2	1000	60003	980008	8700024	7.16	17.64	17.65	17.62
3	2000	120003	1960008	17400024	14.36	37.64	37.69	37.64
4	3000	180003	2940008	26100024	21.64	58.79	58.90	59.10
5	4000	240003	3920008	34800024	28.83	80.30	80.61	81.76
6	5000	300003	4900008	43500024	36.01	102.74	102.82	102.80
7	6000	360003	5880008	52200024	43.16	125.17	125.56	125.23
8	7000	420003	6860008	60900024	50.61	148.27	148.23	148.23
9	8000	480003	7840008	69600024	57.85	171.49	171.49	171.24
10	9000	540003	8820008	78300024	65.04	194.46	195.49	195.07
11	10000	600003	9800008	87000024	72.27	218.29	219.12	218.97
12	11000	660003	10780008	95700024	79.41	242.39	242.82	242.70
13	12000	720003	11760008	104400024	86.55	267.00	267.02	267.32
14	13000	780003	12740008	113100024	93.95	291.88	291.49	291.63
15	14000	840003	13720008	121800024	101.08	316.56	316.36	316.21
16	15000	900003	14700008	130500024	108.59	341.93	341.36	340.99
17	16000	960003	15680008	139200024	115.74	366.55	366.06	366.44
18	17000	1020003	16660008	147900024	123.78	393.54	391.67	392.16
19	18000	1080003	17640008	156600024	130.51	417.88	417.65	417.40

20	19000	1140003	18620008	165300024	137.85	444.36	444.40	444.38
21	20000	1200003	19600008	174000024	144.81	470.47	472.18	472.58
22	21000	1260003	20580008	182700024	152.36	495.41	497.43	497.61
23	22000	1320003	21560008	191400024	159.46	522.73	523.05	522.60
24	23000	1380003	22540008	200100024	167.05	548.92	550.17	549.45
25	24000	1440003	23520008	208800024	174.16	577.37	577.09	577.98
26	25000	1500003	24500008	217500024	181.78	603.56	602.99	602.81
27	26000	1560003	25480008	226200024	189.36	722.20	628.23	632.67
28	27000	1620003	26460008	234900024	195.42	657.26	656.88	657.37
29	28000	1680003	27440008	243600024	203.35	685.41	686.89	684.76
30	29000	1740003	28420008	252300024	211.90	715.13	713.37	714.13
31	30000	1800003	29400008	261000024	218.46	741.48	753.33	742.02
32	31000	1860003	30380008	269700024	227.13	770.50	772.15	793.19
33	32000	1920003	31360008	278400024	233.19	796.35	796.66	840.78
34	33000	1980003	32340008	287100024	241.28	824.04	824.83	922.79
35	34000	2040003	33320008	295800024	247.08	851.16	965.81	851.88
36	35000	2100003	34300008	304500024	253.37	887.14	876.16	1008.17
37	36000	2160003	35280008	313200024	261.46	906.59	981.27	974.65
38	37000	2220003	36260008	321900024	268.99	1100.93	933.42	1018.90
39	38000	2280003	37240008	330600024	280.26	962.35	962.59	1059.09
40	39000	2340003	38220008	339300024	283.67	988.98	988.86	1005.96
41	40000	2400003	39200008	348000024	290.94	1016.53	1115.27	1205.58
42	41000	2460003	40180008	356700024	301.21	1048.69	1044.78	1044.81
43	42000	2520003	41160008	365400024	305.88	1075.73	1321.19	1077.05
44	43000	2580003	42140008	374100024	318.61	1108.55	1104.97	1237.74
45	44000	2640003	43120008	382800024	319.94	1374.88	1140.18	1275.39
46	45000	2700003	44100008	391500024	327.27	1171.52	1428.38	1315.74
47	46000	2760003	45080008	400200024	341.70	1187.57	1353.36	1188.66
48	47000	2820003	46060008	408900024	343.48	1453.09	1212.23	1267.01
49	48000	2880003	47040008	417600024	356.16	1275.74	1241.98	1404.52
50	49000	2940003	48020008	426300024	356.80	1524.11	1315.92	1276.37
51	50000	3000003	49000008	435000024	369.68	1341.17	1296.99	1558.50

Table 455: *xor*3-pyr5seq-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	4	243	3928	34824	4.41	1.43	1.43	0.28
2	1000	60003	980008	8700024		to	to	to

Table 456: *xor*3-pyr5seq-picosat

10.7 pyramid

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	18	208	1776	0.00	0.00	0.00	0.00
2	4	45	664	5832	0.02	0.02	0.02	0.02
3	6	84	1376	12192	0.03	0.06	0.03	0.06
4	8	135	2344	20856	0.06	0.05	0.06	0.05
5	10	198	3568	31824	0.09	0.09	0.09	0.08
6	12	273	5048	45096	0.13	0.13	0.13	0.14
7	14	360	6784	60672	0.16	0.16	0.16	0.16
8	16	459	8776	78552	0.19	0.21	0.21	0.23
9	18	570	11024	98736	0.28	0.27	0.27	0.27
10	20	693	13528	121224	0.32	0.34	0.34	0.53
11	22	828	16288	146016	0.41	0.41	0.42	0.41
12	24	975	19304	173112	0.48	0.46	0.47	0.47
13	26	1134	22576	202512	0.57	0.55	0.55	0.58
14	28	1305	26104	234216	0.65	0.68	0.68	0.66
15	30	1488	29888	268224	1.73	0.75	0.74	0.74
16	32	1683	33928	304536	0.75	1.70	1.71	0.78

17	34	1890	38224	343152	0.81	0.82	0.84	0.82
18	36	2109	42776	384072	0.85	0.88	0.89	0.88
19	38	2340	47584	427296	0.91	0.95	0.95	6.11
20	40	2583	52648	472824	0.96	1.01	1.05	1.01
21	42	2838	57968	520656	1.02	1.07	1.07	1.12
22	44	3105	63544	570792	1.12	1.13	1.14	1.17
23	46	3384	69376	623232	1.19	1.16	1.17	1.23
24	48	3675	75464	677976	1.22	1.35	1.34	1.29
25	50	3978	81808	735024	1.21	1.34	1.38	4.00
26	52	4293	88408	794376	1.34	1.42	1.43	1.53
27	54	4620	95264	856032	1.42	1.57	1.56	1.53
28	56	4959	102376	919992	1.47	1.74	1.69	1.79
29	58	5310	109744	986256	1.55	1.75	1.73	1.73
30	60	5673	117368	1054824	1.58	1.88	1.89	1.91
31	62	6048	125248	1125696	1.68	2.06	2.07	2.04
32	64	6435	133384	1198872	1.61	2.10	2.06	2.23
33	66	6834	141776	1274352	1.80	2.16	2.12	2.13
34	68	7245	150424	1352136	1.73	2.38	2.36	2.21
35	70	7668	159328	1432224	1.84	2.37	2.35	5.56
36	72	8103	168488	1514616	1.90	2.59	2.59	2.46
37	74	8550	177904	1599312	1.96	2.71	2.74	5.73
38	76	9009	187576	1686312	2.03	2.73	2.75	2.73
39	78	9480	197504	1775616	2.23	3.03	3.04	2.84
40	80	9963	207688	1867224	2.28	3.08	3.09	6.93
41	82	10458	218128	1961136	2.27	3.26	3.26	3.22
42	84	10965	228824	2057352	2.43	3.33	3.35	5.91
43	86	11484	239776	2155872	2.48	7.05	7.03	3.33
44	88	12015	250984	2256696	2.64	3.57	3.60	8.21
45	90	12558	262448	2359824	2.75	7.67	7.66	3.71
46	92	13113	274168	2465256	2.73	8.77	8.82	3.89
47	94	13680	286144	2572992	2.91	4.01	4.07	4.04
48	96	14259	298376	2683032	2.98	4.17	4.14	4.21
49	98	14850	310864	2795376	3.14	9.09	9.27	4.16
50	100	15453	323608	2910024	3.20	9.45	9.28	4.46
51	105	17013	356588	3206724	3.35	4.83	4.91	4.86
52	110	18648	391168	3517824	3.72	5.23	5.23	5.31
53	115	20358	427348	3843324	4.02	11.58	11.63	5.65
54	120	22143	465128	4183224	4.30	6.15	6.11	6.04
55	125	24003	504508	4537524	4.61	6.64	6.65	13.02
56	130	25938	545488	4906224	4.99	7.13	7.06	7.16
57	135	27948	588068	5289324	5.21	7.58	7.52	7.47
58	140	30033	632248	5686824	5.43	13.37	13.38	7.94
59	145	32193	678028	6098724	5.85	8.55	8.46	8.41
60	150	34428	725408	6525024	6.23	9.01	9.08	8.97
61	155	36738	774388	6965724	6.61	9.62	9.60	9.37
62	160	39123	824968	7420824	6.92	9.91	9.94	9.98
63	165	41583	877148	7890324	7.26	10.61	10.59	10.43
64	170	44118	930928	8374224	7.68	11.02	11.19	11.18
65	175	46728	986308	8872524	8.07	11.72	11.82	11.74
66	180	49413	1043288	9385224	8.39	12.05	12.65	12.12
67	185	52173	1101868	9912324	8.81	12.85	12.70	12.79
68	190	55008	1162048	10453824	9.17	13.27	13.29	13.23
69	195	57918	1223828	11009724	9.63	14.28	14.05	14.03
70	200	60903	1287208	11580024	10.04	14.62	14.82	14.64
71	205	63963	1352188	12164724	10.47	15.25	15.26	15.23
72	210	67098	1418768	12763824	10.99	15.86	15.84	15.87
73	215	70308	1486948	13377324	11.35	16.60	16.68	16.49
74	220	73593	1556728	14005224	11.77	17.21	17.22	17.56
75	225	76953	1628108	14647524	12.31	18.25	18.14	17.99
76	230	80388	1701088	15304224	12.80	18.61	18.60	19.00
77	235	83898	1775668	15975324	13.28	19.40	19.36	19.51
78	240	87483	1851848	16660824	13.69	20.11	20.52	20.19

79	245	91143	1929628	17360724	14.26	21.01	20.85	20.83
80	250	94878	2009008	18075024	14.74	21.84	21.83	21.90
81	255	98688	2089988	18803724	15.38	22.83	22.44	22.46
82	260	102573	2172568	19546824	15.86	23.19	23.31	23.61
83	265	106533	2256748	20304324	16.19	24.31	24.39	23.99
84	270	110568	2342528	21076224	16.98	25.23	24.98	25.00
85	275	114678	2429908	21862524	17.61	25.94	25.90	25.91
86	280	118863	2518888	22663224	18.84	27.00	26.79	26.84
87	285	123123	2609468	23478324	18.76	27.81	27.86	27.69
88	290	127458	2701648	24307824	19.26	28.95	28.97	28.66
89	295	131868	2795428	25151724	19.98	29.79	29.92	29.55
90	300	136353	2890808	26010024	20.62	30.70	30.73	31.14
91	305	140913	2987788	26882724	21.24	31.88	31.79	31.81
92	310	145548	3086368	27769824	21.84	32.93	32.90	32.87
93	315	150258	3186548	28671324	22.55	33.96	34.00	34.73
94	320	155043	3288328	29587224	23.19	35.30	35.35	35.00
95	325	159903	3391708	30517524	23.91	36.55	36.06	36.20
96	330	164838	3496688	31462224	24.50	37.90	37.49	37.78
97	335	169848	3603268	32421324	25.19	38.43	38.55	38.57
98	340	174933	3711448	33394824	25.84	39.29	39.61	39.69
99	345	180093	3821228	34382724	26.76	40.70	40.70	40.77
100	350	185328	3932608	35385024	28.07	42.35	43.01	42.12
101	355	190638	4045588	36401724	28.12	43.06	43.25	43.14
102	360	196023	4160168	37432824	28.95	44.53	45.90	44.92
103	365	201483	4276348	38478324	29.56	45.90	45.94	46.18
104	370	207018	4394128	39538224	30.48	47.01	47.22	47.51
105	375	212628	4513508	40612524	31.19	48.85	48.81	48.81
106	380	218313	4634488	41701224	32.09	49.93	49.76	50.06
107	385	224073	4757068	42804324	32.89	51.39	51.33	52.12
108	390	229908	4881248	43921824	33.69	52.49	52.47	52.82
109	395	235818	5007028	45053724	34.34	54.34	54.23	54.17
110	400	241803	5134408	46200024	35.18	55.80	55.77	55.86
111	405	247863	5263388	47360724	36.18	56.73	60.50	57.04
112	410	253998	5393968	48535824	36.88	58.33	58.35	58.25
113	415	260208	5526148	49725324	37.75	59.83	59.77	60.12
114	420	266493	5659928	50929224	38.70	61.39	61.56	61.58
115	425	272853	5795308	52147524	39.66	63.57	63.60	63.09
116	430	279288	5932288	53380224	40.60	64.48	64.40	64.83
117	435	285798	6070868	54627324	41.50	67.22	66.59	66.28
118	440	292383	6211048	55888824	42.43	67.82	67.68	67.99
119	445	299043	6352828	57164724	43.23	69.96	69.87	69.51
120	450	305778	6496208	58455024	44.32	72.63	71.98	72.74
121	455	312588	6641188	59759724	45.16	73.03	72.94	72.98
122	460	319473	6787768	61078824	47.19	74.40	74.46	74.38
123	465	326433	6935948	62412324	47.02	76.86	76.52	76.88
124	470	333468	7085728	63760224	47.99	78.06	78.87	77.51
125	475	340578	7237108	65122524	49.09	79.51	79.38	79.63
126	480	347763	7390088	66499224	49.84	81.31	81.42	81.75
127	485	355023	7544668	67890324	50.99	89.38	84.11	83.86
128	490	362358	7700848	69295824	52.12	85.15	85.29	85.35
129	495	369768	7858628	70715724	53.73	87.51	87.58	86.29
130	500	377253	8018008	72150024	54.10	89.59	89.22	88.84
131	525	415803	8838908	79537524	59.44	98.00	98.17	98.60
132	550	456228	9699808	87285024	65.07	108.74	108.66	108.46
133	575	498528	10600708	95392524	70.77	119.38	119.48	119.53
134	600	542703	11541608	103860024	mo		mo	mo

Table 457: *xor*3-pyramid-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	18	208	1776	0.00	0.00	0.00	0.00

2	4	45	664	5832	0.01	0.02	0.02	0.00
3	6	84	1376	12192	0.03	0.03	0.01	0.03
4	8	135	2344	20856	0.03	0.03	0.03	0.04
5	10	198	3568	31824	0.12	0.08	0.08	0.09
6	12	273	5048	45096	0.45	0.25	0.25	0.12
7	14	360	6784	60672	0.74	0.28	0.28	0.59
8	16	459	8776	78552	1.29	0.54	0.36	0.63
9	18	570	11024	98736	0.64	1.30	1.30	1.84
10	20	693	13528	121224	2.06	1.51	1.52	2.89
11	22	828	16288	146016	7.67	4.28	4.30	4.25
12	24	975	19304	173112	9.80	15.31	15.33	9.15
13	26	1134	22576	202512	9.84	15.89	15.85	10.35
14	28	1305	26104	234216	9.78	9.75	9.79	10.88
15	30	1488	29888	268224	49.47	42.33	42.14	24.84
16	32	1683	33928	304536	51.76	49.88	49.67	27.94
17	34	1890	38224	343152	72.20	74.50	74.50	59.68
18	36	2109	42776	384072	60.94	43.43	43.48	70.02
19	38	2340	47584	427296	73.01	172.77	172.58	30.79
20	40	2583	52648	472824	390.66	190.25	190.61	185.11
21	42	2838	57968	520656	363.56	69.53	69.54	198.70
22	44	3105	63544	570792	134.34	308.61	309.50	419.01
23	46	3384	69376	623232	332.64	180.44	180.52	438.92
24	48	3675	75464	677976	186.76	820.44	819.07	833.65
25	50	3978	81808	735024	387.85	851.80	853.85	858.78
26	52	4293	88408	794376	494.52	2515.48	2512.39	535.69
27	54	4620	95264	856032	2019.41	1358.19	1358.04	2318.02
28	56	4959	102376	919992	2356.48	1385.54	1383.74	2504.64
29	58	5310	109744	986256	2712.76	1193.86	1191.07	1407.50
30	60	5673	117368	1054824	3495.55	2381.16	2380.32	2370.95
31	62	6048	125248	1125696	2300.97	3033.63	3045.33	1187.14
32	64	6435	133384	1198872	to	3533.32	3532.27	3306.29
33	66	6834	141776	1274352	to	to	to	

Table 458: *xor*3-pyramid-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	18	208	1776	0.00	0.00	0.00	0.00
2	4	45	664	5832	0.00	0.01	0.01	0.01
3	6	84	1376	12192	0.01	0.02	0.01	0.01
4	8	135	2344	20856	0.01	0.02	0.02	0.02
5	10	198	3568	31824	0.02	0.04	0.03	0.04
6	12	273	5048	45096	0.05	0.06	0.06	0.05
7	14	360	6784	60672	0.05	0.08	0.08	0.08
8	16	459	8776	78552	0.07	0.11	0.11	0.11
9	18	570	11024	98736	0.08	0.13	0.14	0.14
10	20	693	13528	121224	0.11	0.18	0.18	0.17
11	22	828	16288	146016	0.13	0.22	0.22	0.22
12	24	975	19304	173112	0.16	0.26	0.27	0.27
13	26	1134	22576	202512	0.17	0.31	0.30	0.31
14	28	1305	26104	234216	0.21	0.37	0.36	0.37
15	30	1488	29888	268224	0.24	0.41	0.43	0.43
16	32	1683	33928	304536	0.28	0.49	0.48	0.49
17	34	1890	38224	343152	0.32	0.55	0.54	0.54
18	36	2109	42776	384072	0.36	0.62	0.61	0.62
19	38	2340	47584	427296	0.40	0.70	0.70	0.68
20	40	2583	52648	472824	0.48	0.79	0.77	0.78
21	42	2838	57968	520656	0.84	0.85	0.87	0.88
22	44	3105	63544	570792	0.53	0.96	1.14	1.28
23	46	3384	69376	623232	0.80	1.05	1.08	1.08
24	48	3675	75464	677976	0.64	1.35	1.36	1.33
25	50	3978	81808	735024	0.70	1.40	1.47	1.49

26	52	4293	88408	794376	0.97	1.56	1.44	1.47
27	54	4620	95264	856032	1.01	1.53	1.74	1.82
28	56	4959	102376	919992	1.19	1.87	1.73	1.92
29	58	5310	109744	986256	0.94	2.06	1.90	1.87
30	60	5673	117368	1054824	1.39	2.26	2.10	1.95
31	62	6048	125248	1125696	1.40	2.21	2.25	2.18
32	64	6435	133384	1198872	1.35	2.40	2.28	2.49
33	66	6834	141776	1274352	1.43	2.64	2.28	2.26
34	68	7245	150424	1352136	1.25	2.45	2.45	2.42
35	70	7668	159328	1432224	1.35	2.63	2.63	2.61
36	72	8103	168488	1514616	1.44	2.79	2.81	2.82
37	74	8550	177904	1599312	1.49	2.98	3.00	3.01
38	76	9009	187576	1686312	1.61	3.20	3.19	3.17
39	78	9480	197504	1775616	1.71	3.39	3.40	3.38
40	80	9963	207688	1867224	1.79	3.63	3.63	3.59
41	82	10458	218128	1961136	2.02	3.86	3.82	3.88
42	84	10965	228824	2057352	1.96	4.10	4.12	4.08
43	86	11484	239776	2155872	2.08	4.40	4.33	4.33
44	88	12015	250984	2256696	2.18	4.65	4.57	4.60
45	90	12558	262448	2359824	2.25	4.83	4.88	4.81
46	92	13113	274168	2465256	2.34	5.08	5.12	5.09
47	94	13680	286144	2572992	2.48	5.37	5.39	5.37
48	96	14259	298376	2683032	2.60	5.69	5.66	5.65
49	98	14850	310864	2795376	2.66	5.97	5.99	5.94
50	100	15453	323608	2910024	2.77	6.28	6.22	6.24
51	105	17013	356588	3206724	3.11	6.93	6.98	6.99
52	110	18648	391168	3517824	3.35	7.79	7.72	7.80
53	115	20358	427348	3843324	3.72	8.64	8.65	8.61
54	120	22143	465128	4183224	4.06	9.47	9.44	9.48
55	125	24003	504508	4537524	4.35	10.40	10.35	10.42
56	130	25938	545488	4906224	4.75	11.31	11.35	11.31
57	135	27948	588068	5289324	5.11	12.33	12.28	12.34
58	140	30033	632248	5686824	5.50	13.37	13.39	13.31
59	145	32193	678028	6098724	5.91	14.41	14.46	14.42
60	150	34428	725408	6525024	6.30	15.53	15.56	15.44
61	155	36738	774388	6965724	6.76	16.71	16.72	16.75
62	160	39123	824968	7420824	7.26	17.84	17.91	17.87
63	165	41583	877148	7890324	7.73	19.13	19.08	19.14
64	170	44118	930928	8374224	8.15	20.43	20.54	20.43
65	175	46728	986308	8872524	8.58	21.76	21.77	21.70
66	180	49413	1043288	9385224	9.13	23.13	23.11	23.11
67	185	52173	1101868	9912324	9.70	24.53	24.51	24.64
68	190	55008	1162048	10453824	10.16	25.89	26.14	26.15
69	195	57918	1223828	11009724	10.74	27.74	27.60	27.45
70	200	60903	1287208	11580024	11.28	29.03	29.02	29.07
71	205	63963	1352188	12164724	11.89	30.64	30.60	30.57
72	210	67098	1418768	12763824	12.48	32.28	32.31	32.24
73	215	70308	1486948	13377324	13.06	33.87	34.01	33.93
74	220	73593	1556728	14005224	13.64	35.53	35.65	35.65
75	225	76953	1628108	14647524	14.30	37.34	37.30	37.38
76	230	80388	1701088	15304224	14.83	39.25	39.17	39.98
77	235	83898	1775668	15975324	15.70	41.05	41.08	41.12
78	240	87483	1851848	16660824	16.29	42.94	43.47	42.97
79	245	91143	1929628	17360724	16.97	44.96	44.88	45.00
80	250	94878	2009008	18075024	17.73	47.00	46.96	46.94
81	255	98688	2089988	18803724	18.38	48.94	49.04	48.98
82	260	102573	2172568	19546824	19.06	51.11	51.28	51.12
83	265	106533	2256748	20304324	19.96	53.34	53.29	53.19
84	270	110568	2342528	21076224	20.76	55.59	55.42	55.55
85	275	114678	2429908	21862524	21.47	57.70	58.59	57.79
86	280	118863	2518888	22663224	22.41	60.00	60.04	60.17
87	285	123123	2609468	23478324	22.94	62.31	62.26	62.39

88	290	127458	2701648	24307824	23.80	65.09	64.80	64.82
89	295	131868	2795428	25151724	24.60	67.12	67.07	67.07
90	300	136353	2890808	26010024	25.28	69.53	69.56	69.53
91	305	140913	2987788	26882724	26.25	72.19	72.24	72.19
92	310	145548	3086368	27769824	27.24	74.75	74.75	74.87
93	315	150258	3186548	28671324	28.14	78.23	77.62	77.40
94	320	155043	3288328	29587224	28.89	80.35	79.97	80.24
95	325	159903	3391708	30517524	29.95	82.98	82.62	82.82
96	330	164838	3496688	31462224	30.83	86.24	85.63	85.54
97	335	169848	3603268	32421324	31.82	88.38	88.50	88.25
98	340	174933	3711448	33394824	32.67	91.34	91.23	91.32
99	345	180093	3821228	34382724	33.43	93.96	94.17	94.27
100	350	185328	3932608	35385024	34.76	97.03	97.02	97.33
101	355	190638	4045588	36401724	35.65	99.79	100.54	100.17
102	360	196023	4160168	37432824	36.80	103.10	104.72	103.37
103	365	201483	4276348	38478324	37.83	106.36	106.18	106.14
104	370	207018	4394128	39538224	38.87	109.54	109.51	109.31
105	375	212628	4513508	40612524	39.87	112.73	112.68	113.04
106	380	218313	4634488	41701224	40.99	116.13	115.96	115.94
107	385	224073	4757068	42804324	42.00	119.33	119.27	119.22
108	390	229908	4881248	43921824	43.25	122.63	122.59	122.51
109	395	235818	5007028	45053724	44.40	125.96	125.85	125.94
110	400	241803	5134408	46200024	45.43	129.60	129.57	129.83
111	405	247863	5263388	47360724	46.69	132.99	133.49	133.09
112	410	253998	5393968	48535824	47.77	136.82	136.80	136.69
113	415	260208	5526148	49725324	48.61	140.34	140.32	140.37
114	420	266493	5659928	50929224	50.12	144.01	144.27	143.91
115	425	272853	5795308	52147524	51.46	147.72	147.98	147.76
116	430	279288	5932288	53380224	52.44	151.74	151.58	151.48
117	435	285798	6070868	54627324	53.80	155.53	155.43	155.30
118	440	292383	6211048	55888824	54.90	160.50	159.32	159.37
119	445	299043	6352828	57164724	56.17	163.35	163.27	163.19
120	450	305778	6496208	58455024	57.67	168.96	167.03	168.93
121	455	312588	6641188	59759724	58.93	171.31	171.19	171.14
122	460	319473	6787768	61078824	60.02	175.03	175.48	175.74
123	465	326433	6935948	62412324	61.65	179.52	179.44	179.54
124	470	333468	7085728	63760224	62.90	183.38	184.14	183.62
125	475	340578	7237108	65122524	63.78	188.06	187.80	187.90
126	480	347763	7390088	66499224	65.55	192.22	192.30	192.18
127	485	355023	7544668	67890324	66.90	196.62	196.69	196.78
128	490	362358	7700848	69295824	68.52	201.07	201.28	200.87
129	495	369768	7858628	70715724	69.24	205.56	205.48	205.60
130	500	377253	8018008	72150024	71.03	210.38	209.86	210.20
131	525	415803	8838908	79537524	78.30	233.54	234.23	233.61
132	550	456228	9699808	87285024	86.61	258.73	258.89	258.29
133	575	498528	10600708	95392524	94.30	285.35	285.13	285.52
134	600	542703	11541608	103860024	102.25	312.89	313.31	312.59
135	625	588753	12522508	112687524	111.15	343.17	342.65	342.92
136	650	636678	13543408	121875024	120.12	375.03	373.50	373.71
137	675	686478	14604308	131422524	129.98	406.11	406.62	405.60
138	700	738153	15705208	141330024	139.89	440.55	439.37	440.44
139	725	791703	16846108	151597524	150.06	476.41	476.51	475.95
140	750	847128	18027008	162225024	162.07	514.97	513.84	514.34
141	775	904428	19247908	173212524	171.85	552.85	552.19	552.10
142	800	963603	20508808	184560024	183.57	594.35	592.59	594.51
143	825	1024653	21809708	196267524	194.86	636.47	636.09	635.57
144	850	1087578	23150608	208335024	206.33	679.46	678.69	690.71
145	875	1152378	24531508	220762524	217.96	724.75	727.89	725.06
146	900	1219053	25952408	233550024	232.41	874.24	774.21	773.54
147	925	1287603	27413308	246697524	245.19	821.39	821.08	956.13
148	950	1358028	28914208	260205024	260.87	872.37	908.07	873.94
149	975	1430328	30455108	274072524	271.35	923.99	1107.56	924.61

150	1000	1504503	32036008	288300024	286.72	1044.31	1181.90	978.23

Table 459: *xor*3-pyramid-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	18	208	1776	0.00	0.00	0.00	0.00
2	4	45	664	5832	0.01	0.07	0.07	0.06
3	6	84	1376	12192	0.86	0.12	0.14	0.29
4	8	135	2344	20856	4.63	5.78	5.73	2.78
5	10	198	3568	31824	75.57	209.62	196.94	559.33
6	12	273	5048	45096	to	to	to	to
7	14	360	6784	60672	to	to		to

Table 460: *xor*3-pyramid-picosat

10.8 pyrofpyr

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	27	340	2940	0.00	0.00	0.00	0.00
2	2	108	1768	15672	0.06	0.06	0.06	0.06
3	3	300	5444	48588	0.30	0.28	0.28	0.28
4	4	675	12904	115512	0.79	0.79	0.78	0.79
5	5	1323	26068	233724	1.79	1.80	1.77	1.80
6	6	2352	47240	423960	2.89	2.98	2.96	2.97
7	7	3888	79108	710412	4.45	4.66	4.65	4.63
8	8	6075	124744	1120728	6.33	9.25	9.27	8.79
9	9	9075	187604	1686012	51.49	772.24	772.01	745.58
10	10	13068	271528	2440824	727.90	902.32	902.01	393.53
11	11	18252	380740	3423180	mo	448.53	448.86	2080.89
12	12	24843	519848	4674552	mo	113.00	112.90	230.73
13	13	33075	693844	6239868	mo	119.78	119.54	249.54
14	14	43200	908104	8167512	mo	145.81	146.06	169.43
15	15	55488	1168388	10509324	to	to		mo

Table 461: *xor*3-pyrofpyr-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	27	340	2940	0.00	0.00	0.00	0.00
2	2	108	1768	15672	0.39	0.36	0.37	0.28
3	3	300	5444	48588	3.59	7.78	7.75	3.58
4	4	675	12904	115512	186.42	174.44	175.28	72.82
5	5	1323	26068	233724	2532.41	1479.31	1479.13	2454.17
6	6	2352	47240	423960		to	to	to

Table 462: *xor*3-pyrofpyr-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	27	340	2940	0.00	0.00	0.00	0.00
2	2	108	1768	15672	0.01	0.01	0.01	0.02
3	3	300	5444	48588	0.04	0.07	0.05	0.07
4	4	675	12904	115512	0.11	0.18	0.16	0.17
5	5	1323	26068	233724	0.22	0.37	0.37	0.37
6	6	2352	47240	423960	0.42	0.70	0.71	0.70
7	7	3888	79108	710412	0.69	1.23	1.19	1.21
8	8	6075	124744	1120728	1.12	2.03	2.01	2.01
9	9	9075	187604	1686012	1.73	3.26	3.32	3.30
10	10	13068	271528	2440824	2.56	5.18	5.20	5.21

11	11	18252	380740	3423180	3.59	7.67	7.66	7.72
12	12	24843	519848	4674552	4.98	11.08	11.02	11.06
13	13	33075	693844	6239868	6.64	15.24	15.23	15.26
14	14	43200	908104	8167512	8.74	20.54	20.49	20.49
15	15	55488	1168388	10509324	11.31	27.03	27.02	26.94
16	16	70227	1480840	13320600	14.33	35.01	34.91	35.07
17	17	87723	1851988	16660092	18.13	44.44	44.65	45.09
18	18	108300	2288744	20590008	22.18	56.24	56.17	56.31
19	19	132300	2798404	25176012	27.20	69.97	70.04	69.99
20	20	160083	3388648	30487224	32.96	85.91	85.90	85.90
21	21	192027	4067540	36596220	40.01	105.36	104.51	104.77
22	22	228528	4843528	43579032	48.03	126.68	126.87	126.61
23	23	270000	5725444	51515148	56.59	151.93	151.87	151.51
24	24	316875	6722504	60487512	66.54	180.69	180.51	181.06
25	25	369603	7844308	70582524	77.82	213.89	213.61	214.04
26	26	428652	9100840	81890040	90.49	250.76	250.59	251.07
27	27	494508	10502468	94503372	104.00	293.78	294.12	294.39
28	28	567675	12059944	108519288	119.40	341.90	341.77	342.05
29	29	648675	13784404	124038012	136.31	394.90	394.84	394.79
30	30	738048	15687368	141163224	154.93	459.01	456.94	457.42
31	31	836352	17780740	160002060	176.58	526.58	526.69	524.40
32	32	944163	20076808	180665112	201.27	600.66	603.00	602.25
33	33	1062075	22588244	203266428	226.69	684.90	684.62	689.55
34	34	1190700	25328104	227923512	253.95	780.74	779.01	780.97
35	35	1330668	28309828	254757324	284.34	884.29	881.51	888.15
36	36	1482627	31547240	283892280	316.78	996.04	995.55	994.50
37	37	1647243	35054548	315456252	351.38	1274.88	1117.84	1119.15
38	38	1825200	38846344	349580568	391.04	1258.07	1258.28	1402.28
39	39	2017200	42937604	386400012	430.67	1599.89	1403.36	1730.62
40	40	2223963	47343688	426052824	477.95	1567.34	1869.87	1571.39
41	41	2446227	52080340	468680700	522.97	1730.85	2150.20	2009.14
42	42	2684748	57163688	514428792	578.30	2317.18	2003.49	1912.68
43	43	2940300	62610244	563445708	637.75	2114.93	2113.68	2674.69
44	44	3213675	68436904	615883512	695.58	2329.17	2882.19	2348.25
45	45	3505683	74660948	671897724	759.69	2588.32	2976.50	mo
46	46	3817152	81300040	731647320	818.88	2886.93	3493.59	mo
47	47	4148928	88372228	795294732	894.87	3293.71	3223.32	mo
48	48	4501875	95895944	863005848		to	to	mo

Table 463: *xor*3-pyrofpyr-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	1	27	340	2940	0.00	0.00	0.00	0.00
2	2	108	1768	15672	0.62	0.95	0.93	0.63
3	3	300	5444	48588	152.22	93.34	3.24	6.38
4	4	675	12904	115512	24.05	to	to	to

Table 464: *xor*3-pyrofpyr-picosat

10.9 pyrseqsqrt

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	129	1976	17448	0.06	0.05	0.05	0.05
2	3	327	5480	48696	0.15	0.17	0.16	0.17
3	4	663	11688	104184	0.28	0.33	0.32	0.35
4	5	1368	24928	222624	0.83	0.76	0.77	0.76
5	6	2433	45368	405672	1.93	1.13	1.13	1.14
6	7	3930	74544	667152	1.45	1.70	1.68	1.62
7	8	6387	122760	1099416	218.03	4.46	4.53	6.59
8	9	9075	176264	1579416	7.24	8.11	8.06	8.11

9	10	13113	256888	2302824	3.18	9.09	9.20	6.61
10	11	18978	374448	3357840	5.07	8.58	8.53	8.25
11	12	25275	501704	4500312	5.57	9.89	9.96	10.09
12	13	33933	677048	6074664	7.13	10.90	10.83	10.79
13	14	44271	887272	7962552	8.86	13.51	13.43	15.40
14	15	56433	1135448	10191624	10.61	16.51	16.68	16.57
15	16	70563	1424648	12789528	13.10	20.05	20.06	20.11
16	17	88692	1796160	16127040	15.98	25.02	24.56	24.45
17	18	109515	2223944	19970520	19.15	29.76	30.10	29.87
18	19	133212	2711840	24354528	22.88	36.04	35.83	35.71
19	20	159963	3263688	29313624	27.04	42.69	42.71	42.75
20	21	192783	3941288	35403000	32.13	52.54	51.34	51.49
21	22	229551	4701672	42236856	55.27	62.90	62.84	63.89
22	23	270483	5549448	49856664	114.83	78.52	78.76	77.62
23	24	319467	6564680	58981848	126.86	105.30	105.25	105.78
24	25	369678	7607408	68355024	140.53	130.23	130.29	128.41
25	26	429003	8840008	79435224	185.57	160.80	161.22	163.10
26	27	498639	10287656	92448888	230.46	202.77	204.59	201.52
27	28	569943	11772328	105796344	mo	248.53	249.17	246.76
28	29	652764	13497536	121306560	to	to		to

Table 465: *xor*3-pyrseqsqrt-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	129	1976	17448	0.03	0.02	0.03	0.02
2	3	327	5480	48696	0.14	0.27	0.27	0.24
3	4	663	11688	104184	1.30	1.45	1.44	1.78
4	5	1368	24928	222624	7.19	4.30	4.29	9.95
5	6	2433	45368	405672	24.76	50.83	50.73	27.62
6	7	3930	74544	667152	111.12	163.88	164.03	63.09
7	8	6387	122760	1099416	352.88	14.46	14.48	147.89
8	9	9075	176264	1579416	584.23	570.20	571.58	75.06
9	10	13113	256888	2302824	1044.15	1266.41	1265.14	2856.07
10	11	18978	374448	3357840	1828.43	1313.79	1315.14	245.65
11	12	25275	501704	4500312	611.31	3303.78	3255.53	1852.64
12	13	33933	677048	6074664	to	1334.72	1326.92	2425.83
13	14	44271	887272	7962552	to		to	to

Table 466: *xor*3-pyrseqsqrt-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	129	1976	17448	0.01	0.02	0.02	0.02
2	3	327	5480	48696	0.04	0.06	0.06	0.06
3	4	663	11688	104184	0.07	0.14	0.14	0.13
4	5	1368	24928	222624	0.19	0.32	0.33	0.33
5	6	2433	45368	405672	0.35	0.59	0.61	0.62
6	7	3930	74544	667152	0.60	1.06	1.06	1.03
7	8	6387	122760	1099416	1.00	1.82	1.81	1.81
8	9	9075	176264	1579416	1.43	2.85	2.83	2.77
9	10	13113	256888	2302824	2.11	4.50	4.48	4.51
10	11	18978	374448	3357840	3.13	7.07	7.07	7.08
11	12	25275	501704	4500312	4.21	9.96	10.00	9.89
12	13	33933	677048	6074664	5.67	13.89	13.86	13.95
13	14	44271	887272	7962552	7.45	18.71	18.72	18.76
14	15	56433	1135448	10191624	9.56	24.63	24.58	24.51
15	16	70563	1424648	12789528	12.12	31.47	31.45	31.55
16	17	88692	1796160	16127040	15.21	40.42	40.39	40.42
17	18	109515	2223944	19970520	18.99	51.05	51.16	51.07
18	19	133212	2711840	24354528	23.10	63.65	63.58	63.54
19	20	159963	3263688	29313624	27.92	77.57	77.56	77.72

20	21	192783	3941288	35403000	33.81	96.77	95.21	95.34
21	22	229551	4701672	42236856	40.41	115.58	115.51	115.66
22	23	270483	5549448	49856664	47.64	138.32	138.55	138.43
23	24	319467	6564680	58981848	56.55	165.89	165.97	166.11
24	25	369678	7607408	68355024	65.54	195.51	195.12	194.90
25	26	429003	8840008	79435224	76.43	230.09	229.77	230.70
26	27	498639	10287656	92448888	89.10	271.36	271.23	271.64
27	28	569943	11772328	105796344	101.95	315.33	315.09	314.83
28	29	652764	13497536	121306560	117.60	366.59	366.92	365.79
29	30	742773	15374168	138178824	133.93	422.89	423.78	421.95
30	31	840258	17408368	156468432	150.72	486.19	487.34	485.23
31	32	945507	19606280	176230680	171.05	556.54	554.98	558.72
32	33	1065639	22115816	198795192	193.07	637.61	638.31	637.97
33	34	1194933	24818648	223098504	215.87	725.27	724.66	727.01
34	35	1333713	27721688	249202824	241.83	825.49	823.43	823.14
35	36	1482303	30831848	277170360	268.07	921.79	922.90	926.23
36	37	1649574	34333936	308662608	299.19	1049.27	1043.23	1040.71
37	38	1828221	38076312	342316488	333.09	1171.63	1173.63	1382.06
38	39	2018604	42066656	378201120	367.55	1304.70	1611.45	1308.37
39	40	2231043	46520328	418252824	408.56	1463.37	1459.40	1792.28
40	41	2446473	51040088	458900232	446.33	2023.13	1626.59	1617.53
41	42	2685693	56059928	504045384	490.28	2093.30		2174.27

Table 467: *xor*3-pyrseqsqrt-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	2	129	1976	17448	0.16	0.23	0.23	0.34
2	3	327	5480	48696	162.93	1.54	1.53	11.49
3	4	663	11688	104184	127.92	49.11	48.62	1108.73
4	5	1368	24928	222624	3359.19	305.65	308.76	to
5	6	2433	45368	405672	to	339.80	339.60	41.06
6	7	3930	74544	667152	to	to	113.98	to

Table 468: *xor*3-pyrseqsqrt-picosat

10.10 width10chain

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	117	1900	16836	0.12	0.12	0.12	0.11
2	2000	60027	1279980	11519556	10.48	15.36	15.26	15.17
3	4000	120027	2559980	23039556	19.68	29.49	29.05	29.21
4	6000	180027	3839980	34559556	28.67	43.64	43.86	43.75
5	8000	240027	5119980	46079556	37.67	59.68	59.23	59.57
6	10000	300027	6399980	57599556	46.74	75.20	75.23	75.03
7	12000	360027	7679980	69119556	55.55	90.87	90.91	90.95
8	14000	420027	8959980	80639556	64.30	107.01	107.01	107.54
9	16000	480027	10239980	92159556	mo		mo	mo

Table 469: *xor*3-width10chain-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	117	1900	16836	0.03	0.07	0.07	0.03
2	2000	60027	1279980	11519556	311.14	684.99	687.44	741.99
3	4000	120027	2559980	23039556	3583.73	3550.68	3538.35	to
4	6000	180027	3839980	34559556	to	to	to	

Table 470: *xor*3-width10chain-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	117	1900	16836	0.01	0.02	0.02	0.02
2	2000	60027	1279980	11519556	11.64	28.89	28.86	29.00
3	4000	120027	2559980	23039556	23.51	61.20	61.15	61.06
4	6000	180027	3839980	34559556	35.16	94.70	95.14	94.55
5	8000	240027	5119980	46079556	46.85	129.28	129.47	129.11
6	10000	300027	6399980	57599556	58.82	164.76	164.41	164.76
7	12000	360027	7679980	69119556	70.30	200.29	200.94	200.83
8	14000	420027	8959980	80639556	82.18	237.02	236.80	236.94
9	16000	480027	10239980	92159556	93.87	273.59	274.56	274.20
10	18000	540027	11519980	103679556	105.42	311.98	311.36	311.89
11	20000	600027	12799980	115199556	116.97	350.78	349.54	350.17
12	22000	660027	14079980	126719556	130.66	389.12	388.23	388.56
13	24000	720027	15359980	138239556	140.73	428.64	427.77	429.06
14	26000	780027	16639980	149759556	152.48	468.82	468.06	468.73
15	28000	840027	17919980	161279556	164.70	509.73	509.64	509.02
16	30000	900027	19199980	172799556	176.31	550.31	550.25	549.29
17	32000	960027	20479980	184319556	187.21	590.95	589.47	589.74
18	34000	1020027	21759980	195839556	199.86	631.08	630.83	632.15
19	36000	1080027	23039980	207359556	211.52	675.98	673.18	675.31
20	38000	1140027	24319980	218879556	223.20	716.02	718.19	719.69
21	40000	1200027	25599980	230399556	235.36	759.91	759.64	759.77
22	42000	1260027	26879980	241919556	246.79	802.05	803.14	803.18
23	44000	1320027	28159980	253439556	258.66	847.85	845.01	843.35
24	46000	1380027	29439980	264959556	270.55	888.32	896.80	887.39
25	48000	1440027	30719980	276479556	282.58	931.95	929.42	932.68
26	50000	1500027	31999980	287999556	294.03	1029.84	973.74	973.55
27	52000	1560027	33279980	299519556	312.57	1018.49	1016.16	1018.20
28	54000	1620027	34559980	311039556	317.30	1064.19	1058.38	1058.75
29	56000	1680027	35839980	322559556	329.95	1105.63	1108.01	1103.72
30	58000	1740027	37119980	334079556	341.11	1149.22	1148.65	1156.76
31	60000	1800027	38399980	345599556	353.72	1191.58	1442.35	1193.75
32	62000	1860027	39679980	357119556	368.43	1404.07	1236.30	1241.41
33	64000	1920027	40959980	368639556	378.74	1592.14	1281.08	1280.32
34	66000	1980027	42239980	380159556	390.18	1325.29	1649.01	1324.98
35	68000	2040027	43519980	391679556	402.77	1375.57	1367.89	1367.38
36	70000	2100027	44799980	403199556	413.39	1415.62	1726.99	1617.65
37	72000	2160027	46079980	414719556	424.86	1456.72	1458.63	1762.60
38	74000	2220027	47359980	426239556	435.77	1894.46	1501.49	1500.99
39	76000	2280027	48639980	437759556	453.25	1543.51	1552.10	1602.30
40	78000	2340027	49919980	449279556	459.21	1810.71	1947.00	1593.50
41	80000	2400027	51199980	460799556	474.84	1637.98	2015.11	1636.72
42	82000	2460027	52479980	472319556	482.57	1781.69	2048.49	1678.58
43	84000	2520027	53759980	483839556	495.19	2085.11	1726.39	1724.39
44	86000	2580027	55039980	495359556	507.89	2234.85	1771.48	1772.97
45	88000	2640027	56319980	506879556	518.40	2264.34	1824.41	2083.25
46	90000	2700027	57599980	518399556	537.05	1860.57	2010.78	1859.70
47	92000	2760027	58879980	529919556	548.16	2031.44	1909.41	1905.25
48	94000	2820027	60159980	541439556	558.45	2320.24	1954.87	2499.61
49	96000	2880027	61439980	552959556	572.79	2003.89	2031.08	2179.93
50	98000	2940027	62719980	564479556	579.13	2486.20	2042.23	2090.00
51	100000	3000027	63999980	575999556	590.11	2619.52	2085.15	2105.15

Table 471: *xor*3-width10chain-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	117	1900	16836	0.34	0.11	0.12	0.84
2	2000	60027	1279980	11519556		to	to	to

Table 472: *xor*3-width10chain-picosat

10.11 width2chain

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	21	332	2916	0.00	0.00	0.00	0.00
2	10000	60003	1279948	11519460	14.64	19.23	19.23	19.44
3	20000	120003	2559948	23039460	27.40	37.38	37.36	37.12
4	30000	180003	3839948	34559460	41.44	55.72	56.28	56.30
5	40000	240003	5119948	46079460	53.70	75.76	75.69	75.24
6	50000	300003	6399948	57599460	66.44	95.42	95.47	94.90
7	60000	360003	7679948	69119460	79.52	114.72	115.04	115.20
8	70000	420003	8959948	80639460	mo		mo	mo

Table 473: *xor*3-width2chain-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	21	332	2916	0.00	0.00	0.00	0.00
2	10000	60003	1279948	11519460	to		to	to

Table 474: *xor*3-width2chain-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	21	332	2916	0.00	0.00	0.00	0.00
2	10000	60003	1279948	11519460	10.81	28.01	28.00	27.97
3	20000	120003	2559948	23039460	21.67	59.27	59.25	59.23
4	30000	180003	3839948	34559460	32.68	91.57	92.34	91.94
5	40000	240003	5119948	46079460	43.43	125.50	125.31	125.27
6	50000	300003	6399948	57599460	54.31	159.60	159.56	159.20
7	60000	360003	7679948	69119460	65.17	194.08	193.97	194.22
8	70000	420003	8959948	80639460	75.86	229.51	229.88	229.89
9	80000	480003	10239948	92159460	87.03	265.89	265.92	265.89
10	90000	540003	11519948	103679460	97.68	302.52	302.30	302.57
11	100000	600003	12799948	115199460	108.22	340.47	339.97	340.15
12	110000	660003	14079948	126719460	119.59	377.54	377.76	377.69
13	120000	720003	15359948	138239460	130.89	416.56	416.95	417.33
14	130000	780003	16639948	149759460	141.02	455.01	455.17	455.35
15	140000	840003	17919948	161279460	152.65	494.81	494.59	494.71
16	150000	900003	19199948	172799460	162.33	534.37	534.82	533.86
17	160000	960003	20479948	184319460	173.45	573.71	573.72	573.69
18	170000	1020003	21759948	195839460	184.70	616.04	614.87	614.42
19	180000	1080003	23039948	207359460	195.41	658.43	657.01	658.02
20	190000	1140003	24319948	218879460	206.41	697.15	698.02	696.19
21	200000	1200003	25599948	230399460	218.01	738.32	739.32	738.87
22	210000	1260003	26879948	241919460	228.62	781.92	780.17	781.30
23	220000	1320003	28159948	253439460	239.70	822.20	823.96	823.46
24	230000	1380003	29439948	264959460	250.26	862.53	863.94	875.10
25	240000	1440003	30719948	276479460	261.13	907.08	904.70	905.42
26	250000	1500003	31999948	287999460	273.55	947.67		950.24

Table 475: *xor*3-width2chain-minisatsimp

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	21	332	2916	0.00	0.00	0.00	0.00
2	10000	60003	1279948	11519460	to		to	to

Table 476: *xor*3-width2chain-picosat

10.12 width5chain

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	57	920	8136	0.06	0.05	0.04	0.05
2	4000	60012	1279960	11519496	11.51	16.54	16.44	16.45
3	8000	120012	2559960	23039496	21.43	31.40	31.28	31.57
4	12000	180012	3839960	34559496	31.43	47.09	46.95	47.30
5	16000	240012	5119960	46079496	41.56	63.77	63.78	64.14
6	20000	300012	6399960	57599496	51.41	80.88	80.51	80.61
7	24000	360012	7679960	69119496	61.61	98.42	98.16	97.13
8	28000	420012	8959960	80639496	mo	mo		mo

Table 477: *xor*3-width5chain-lingeling

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	57	920	8136	0.01	0.02	0.02	0.02
2	4000	60012	1279960	11519496	3525.80	to	to	459.70
3	8000	120012	2559960	23039496	to	to		to

Table 478: *xor*3-width5chain-minisatcore

♯	par	vars	clauses	literals	C	R1	R2	R3
1	3	57	920	8136	0.00	0.01	0.01	0.00
2	4000	60012	1279960	11519496	11.09	28.91	28.95	28.72
3	8000	120012	2559960	23039496	22.29	60.91	60.94	61.24
4	12000	180012	3839960	34559496	33.43	94.03	94.29	94.16
5	16000	240012	5119960	46079496	44.71	128.28	128.47	129.29
6	20000	300012	6399960	57599496	55.87	163.52	163.74	163.26
7	24000	360012	7679960	69119496	67.16	199.50	199.37	199.15
8	28000	420012	8959960	80639496	78.26	235.38	235.52	236.11
9	32000	480012	10239960	92159496	89.63	273.01	274.08	273.24
10	36000	540012	11519960	103679496	100.76	311.09	310.44	310.35
11	40000	600012	12799960	115199496	111.81	348.26	349.07	348.24
12	44000	660012	14079960	126719496	122.93	386.98	386.90	386.79
13	48000	720012	15359960	138239496	134.35	426.51	426.76	427.19
14	52000	780012	16639960	149759496	146.17	467.84	468.70	466.23
15	56000	840012	17919960	161279496	157.14	506.62	506.87	505.15
16	60000	900012	19199960	172799496	168.87	546.28	547.00	547.15
17	64000	960012	20479960	184319496	179.30	589.36	587.74	587.44
18	68000	1020012	21759960	195839496	190.50	628.65	634.86	629.05
19	72000	1080012	23039960	207359496	202.22	670.78	669.91	671.08
20	76000	1140012	24319960	218879496	216.71	711.45	712.65	711.92
21	80000	1200012	25599960	230399496	225.41	757.08	758.27	752.69
22	84000	1260012	26879960	241919496	235.92	797.74	798.67	798.29
23	88000	1320012	28159960	253439496	246.61	842.53	841.65	839.24
24	92000	1380012	29439960	264959496	257.93	882.18	881.84	885.51
25	96000	1440012	30719960	276479496	269.12	928.08	924.00	925.87
26	100000	1500012	31999960	287999496	281.80	973.44	986.50	973.95
27	104000	1560012	33279960	299519496	292.36	1014.30	1015.17	1014.27
28	108000	1620012	34559960	311039496	303.14	1056.95	1056.30	1054.08
29	112000	1680012	35839960	322559496	315.74	1103.37	1100.17	1099.95
30	116000	1740012	37119960	334079496	327.42	1145.50	1148.54	1143.44
31	120000	1800012	38399960	345599496	337.52	1328.88	1190.28	1190.17
32	124000	1860012	39679960	357119496	349.65	1229.19	1397.63	1232.52
33	128000	1920012	40959960	368639496	358.77	1274.18	1273.92	1552.59
34	132000	1980012	42239960	380159496	374.64	1485.00	1319.47	1318.71
35	136000	2040012	43519960	391679496	382.07	1363.87	1360.12	1606.95
36	140000	2100012	44799960	403199496	395.40	1410.28	1690.93	1406.87
37	144000	2160012	46079960	414719496	404.28	1749.33	1461.34	1503.58

38	148000	2220012	47359960	426239496	418.11	1501.17	1861.44	1503.70
39	152000	2280012	48639960	437759496	428.00	1937.45	1540.88	1541.92
40	156000	2340012	49919960	449279496	442.02	1583.30	1587.45	1994.79
41	160000	2400012	51199960	460799496	450.04	1701.89	1632.03	1965.55
42	164000	2460012	52479960	472319496	462.16	2022.06	1677.34	2073.03
43	168000	2520012	53759960	483839496	471.98	1722.67	2110.84	1719.33
44	172000	2580012	55039960	495359496	484.25	2024.28	2203.43	1763.34
45	176000	2640012	56319960	506879496	497.12	2074.50	2266.49	1806.92
46	180000	2700012	57599960	518399496	507.04	1853.05	2222.60	2310.79
47	184000	2760012	58879960	529919496	520.18	1893.08	2390.69	1892.99
48	188000	2820012	60159960	541439496	528.31	2377.44	2064.97	2428.79
49	192000	2880012	61439960	552959496	549.06	1995.29	2177.70	1987.87
50	196000	2940012	62719960	564479496	551.07	2029.55	2081.39	2525.07
51	200000	3000012	63999960	575999496	569.66	2085.10	2282.18	2084.51

Table 479: *xor*3-width5chain-minisatsimp

♯	**par**	**vars**	**clauses**	**literals**	**C**	**R1**	**R2**	**R3**
1	3	57	920	8136	0.10	0.07	0.01	0.09
2	4000	60012	1279960	11519496	to		to	to

Table 480: *xor*3-width5chain-picosat