

**CPU time**

**Pebbling formulas with  
substitution neq(not all equal)  
of arity 3**

**Pebbling formulas, Gilbert-Tarjan graphs, substitution neq 3**  
**no shuffle, no preprocessing, no clause removal**  
**CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
33	0.037994	0.103984	0.014997	0.048992	0.010998	0.011998
63	0.880866	0.026995	0.012998	19.817	0.030995	0.027995
123	3.84342	0.328949	0.06499	287.321	0.083987	0.065989
132	3.2755	0.448931	0.071989	666.207	0.098984	0.051992
228	22.2486	0.319951	0.111982	1800	0.119981	0.110983
237	16.7774	0.377942	0.131979	1800	0.181972	0.112982
405	38.7661	7.77382	0.527919	1800	1.40379	0.549916
414	45.915	7.03493	0.480926	-	1.10683	0.163975
456	45.4701	4.45932	0.429934	-	1.03284	0.508922
465	44.5112	4.20636	0.466929	-	1.27281	0.275958
747	208.32	2.94955	0.464929	-	2.15367	0.430934
756	207.61	2.99654	0.542917	-	2.32365	0.59191
780	229.069	3.08753	0.58591	-	2.80557	0.59191
789	252.015	2.98655	0.595909	-	2.22666	0.465929
1239	349.743	52.0781	1.79073	-	13.123	1.61275
1248	385.774	50.3933	1.89471	-	13.5229	1.79773
1272	375.761	54.6327	1.93471	-	13.6809	2.33864
1281	371.112	50.0404	2.00569	-	15.3757	2.39464
1431	526.275	27.7428	1.53577	-	11.1053	1.57376
1440	474.029	27.5248	1.49177	-	10.8633	1.42278
1464	494.376	26.373	1.56476	-	12.2251	1.2968
1473	478.902	28.1607	1.44278	-	10.7954	1.40279
2235	1800	22.0207	1.79673	-	25.8581	1.78773
2244	1800	23.3504	1.72574	-	25.2902	1.62075
2268	1800	22.7375	1.70874	-	20.4309	1.58876
2277	-	23.9104	1.85772	-	32.3501	2.50562
2355	-	24.1753	1.9677	-	29.8805	2.82157
2364	-	24.2703	1.9797	-	23.7064	2.6026
2388	-	24.9772	2.10168	-	22.1486	2.48562
2397	-	24.2603	1.9457	-	24.9652	2.42663
3543	-	374.811	5.2822	-	144.233	4.56131
3552	-	360.816	5.09323	-	124.265	8.09177
3576	-	350.006	5.48417	-	151.269	4.94825
3585	-	365.702	5.42317	-	128.772	8.85465
3663	-	371.555	5.9061	-	109.96	8.29474
3672	-	345.465	5.82611	-	133.333	5.19721
3696	-	341.573	5.73513	-	120.701	5.05923
3705	-	334.211	5.9091	-	120.646	9.2066
4155	-	227.784	4.71928	-	102.607	3.77243
4164	-	215.7	4.5923	-	122.162	4.11737

**Pebbling formulas, Gilbert-Tarjan graphs, substitution neq 3  
no shuffle, no preprocessing, clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
456	20.5549	2.76858	0.45493	1800	0.631903	0.214967
465	20.1379	3.50147	0.480926	1800	1.19982	0.567913
747	75.2636	2.84457	0.486925	1800	1.70374	0.710891
756	76.2364	2.91756	0.531919	-	3.51747	0.613906
780	78.736	3.01254	0.612906	-	1.9907	1.25481
789	80.5847	2.93655	0.660899	-	1.75273	0.424935
1239	161.58	30.2834	1.9787	-	26.424	9.17561
1248	163.679	30.4424	1.9917	-	15.3257	7.69183
1272	162.671	29.4945	1.9507	-	25.6441	1.75673
1281	162.214	32.1241	1.9487	-	8.70668	15.4417
1431	213.185	23.5214	1.53677	-	15.8156	15.6696
1440	215.464	21.6857	1.60376	-	16.4545	3.42148
1464	216.528	20.2979	1.69874	-	16.7675	3.38049
1473	221.729	23.0145	1.63275	-	17.4473	9.46156
2235	719.019	22.0696	1.78773	-	93.8207	2.46563
2244	738.353	23.3185	1.72774	-	97.8371	3.57546
2268	744.701	22.6806	1.70174	-	102.797	18.0613
2277	738.008	23.9384	1.85572	-	96.5043	22.6146
2355	801.139	24.2563	1.9687	-	60.9407	3.85241
2364	805.607	24.4533	1.9787	-	62.0206	7.62384
2388	824.969	25.0302	2.10368	-	102.951	8.59269
2397	816.523	24.3173	1.9547	-	103.36	16.4775
3543	1779.55	213.738	7.95879	-	781.385	147.979
3552	1776.235	200.044	5.16122	-	405.215	20.8898
3576	1800	186.078	6.08207	-	871.026	105.889
3585	1785.625	209.47	8.38072	-	807.31	111.86
3663	1775.6	207.688	6.552	-	488.376	152.384
3672	1800	211.384	5.87111	-	484.6595	117.018
3696	1800	210.612	5.85211	-	781.946	21.8987
3705	1800	193.324	6.22705	-	598.416	53.5159
4155	1800	270.994	4.75028	-	1091.84	64.6122
4164	-	274.045	4.6103	-	620.43	61.2457
4188	-	284.032	4.70029	-	1800	61.7736
4197	-	270.451	4.73528	-	606.458	62.7225
4275	-	295.076	4.90425	-	425.477	43.8443
4284	-	289.738	5.02823	-	448.208	50.2554
4308	-	278.481	4.73028	-	1309.02	24.7942
4317	-	291.903	4.94125	-	628.162	22.4876
6255	-	243.638	6.35103	-	1800	65.523
6264	-	254.625	6.53701	-	1800	61.7736

**Pebbling formulas, Gilbert-Tarjan graphs, substitution neq 3  
shuffle, no preprocessing, no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
33	0.054991	0.109983	0.017997	0.109983	0.013997	0.013997
63	0.934857	0.024996	0.015997	22.1406	0.021996	0.025996
123	2.26066	0.348946	0.070989	469.58	0.120981	0.083987
132	3.87041	0.305953	0.074988	435.241	0.068989	0.070989
228	24.0123	0.32795	0.13098	1800	0.189971	0.099984
237	26.6559	0.347947	0.139978	1800	0.155976	0.182972
405	39.475	7.83881	0.513921	1800	1.88471	0.356945
414	40.6838	8.01978	0.508922	-	1.17282	0.708892
456	47.4518	4.94425	0.490925	-	1.02984	0.232964
465	56.4674	4.25635	0.450931	-	0.913861	0.288956
747	214.982	3.14752	0.529919	-	1.66775	0.506922
756	220.67	3.18952	0.568913	-	2.32665	0.399939
780	240.555	3.10253	0.609907	-	2.38264	0.403938
789	226.412	3.18851	0.540917	-	2.05169	0.712891
1239	377.267	54.1318	1.86072	-	13.5499	2.54861
1248	399.177	50.8963	1.92571	-	11.8522	2.01669
1272	428.184	53.4399	2.01269	-	14.2688	1.9627
1281	373.799	54.7437	1.9637	-	14.6788	1.9557
1431	506.154	30.7163	1.61175	-	12.0532	1.00085
1440	486.817	31.8112	1.57476	-	10.1775	1.76773
1464	537.932	32.3501	1.81472	-	12.4941	1.34279
1473	552.001	29.2146	1.49477	-	11.4193	1.67274
2235	1800	26.053	1.80073	-	24.8472	1.64775
2244	1800	26.173	2.0027	-	22.5646	2.22366
2268	1800	27.5038	1.88671	-	22.1756	2.96755
2277	-	25.7241	1.83372	-	25.2812	2.95555
2355	-	27.7088	1.9547	-	20.7738	2.6316
2364	-	26.9309	1.91371	-	25.1692	1.62875
2388	-	26.7789	1.9597	-	28.2597	2.53861
2397	-	27.0789	1.9467	-	24.4983	2.07968
3543	-	377.907	5.62614	-	135.701	8.49171
3552	-	400.141	5.84411	-	137.956	9.07562
3576	-	422.675	5.68813	-	144.907	6.25205
3585	-	400.057	5.61815	-	138.645	7.73782
3663	-	409.453	5.9151	-	140.631	8.40972
3672	-	432.525	5.95509	-	138.121	8.93864
3696	-	406.051	6.31904	-	159.892	5.67214
3705	-	411.484	6.84896	-	128.9	8.39972
4155	-	248.669	4.89926	-	122.023	4.75728
4164	-	243.357	5.06823	-	131.847	4.57031

**Pebbling formulas, Gilbert-Tarjan graphs, substitution neq 3  
shuffle, no preprocessing, clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
456	19.756	3.31949	0.462929	1800	1.22281	0.569913
465	21.1208	3.14752	0.479927	1800	1.00185	1.05684
747	74.2767	2.97555	0.536918	1800	3.67044	0.860869
756	75.7575	2.99354	0.564914	-	3.64145	1.51677
780	75.2336	3.01954	0.617906	-	2.67159	0.516921
789	80.3878	3.06053	0.52592	-	1.77073	1.26581
1239	168.422	32.2361	1.69474	-	58.4481	7.36588
1248	165.791	31.8162	1.89371	-	30.0244	15.7206
1272	171.804	32.701	2.03869	-	24.6063	4.23336
1281	172.429	33.2969	2.0027	-	26.6899	8.20475
1431	220.278	22.7295	1.70774	-	27.7448	3.75243
1440	226.686	23.7224	1.55976	-	17.1894	7.29189
1464	234.039	23.2525	1.77373	-	16.9594	3.65144
1473	231.269	21.8487	1.50177	-	18.1732	4.29535
2235	782.362	26.118	1.79873	-	96.1084	17.0714
2244	778.195	26.207	2.00469	-	100.085	10.0125
2268	772.277	27.4508	1.88371	-	115.388	16.7115
2277	793.844	25.6071	1.82972	-	102.094	7.59584
2355	852.145	27.6098	1.9677	-	99.1449	7.67483
2364	838.597	26.9109	1.92071	-	62.6895	8.20375
2388	840.262	26.9149	1.9657	-	105.548	7.53585
2397	845.481	27.0549	1.9427	-	107.594	4.19936
3543	1800	216.11	5.70513	-	783.772	65.0971
3552	1800	209.085	6.31904	-	785.733	65.868
3576	1800	219.922	6.01109	-	1800	57.4233
3585	-	225.541	5.64314	-	895.025	54.1548
3663	-	221.433	5.85211	-	435.0995	133.16
3672	-	235.66	8.70668	-	512.992	27.3808
3696	-	224.789	6.75797	-	1027.982	53.7138
3705	-	238.921	10.0065	-	614.16	82.1095
4155	-	279.533	4.90225	-	1800	11.9252
4164	-	296.553	5.09023	-	935.6985	64.4822
4188	-	314.053	4.97424	-	1800	67.0988
4197	-	306.33	5.14222	-	633.005	130.463
4275	-	316.838	4.96425	-	448.398	4.19436
4284	-	320.311	5.05923	-	905.5435	28.0197
4308	-	320.389	5.11822	-	685.604	27.8628
4317	-	322.041	5.12822	-	570.969	27.4278
6255	-	289.728	6.72798	-	1800	61.7466
6264	-	307.813	6.51801	-	1800	66.8398

**Pebbling formulas, Gilbert-Tarjan graphs, substitution neq 3  
no shuffle, preprocessing, no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
33	0.031995	0.102984	0.017997	0.056991	0.013997	0.014997
63	0.875866	0.028995	0.019996	10.5364	0.024996	0.034994
123	3.38748	0.367944	0.075988	284.373	0.05999	0.101984
132	2.81957	0.39194	0.101984	199.569	0.094985	0.123981
228	20.2289	0.361944	0.136979	1800	0.181972	0.096985
237	26.006	0.334949	0.136979	1800	0.184971	0.124981
405	48.7566	7.08692	0.596909	1800	1.90671	0.484926
414	45.1381	6.99993	0.503923	-	1.20782	0.355945
456	50.3563	4.5723	0.563914	-	0.660899	0.280957
465	50.6293	4.34934	0.448931	-	0.979851	0.32795
747	218.562	3.01054	0.630904	-	1.77973	0.427934
756	185.649	2.96655	0.627904	-	2.03669	0.39394
780	240.013	3.05854	0.679896	-	1.79473	0.513921
789	227.216	3.05854	0.627904	-	2.31065	0.616906
1239	394.818	50.5273	1.72374	-	13.111	1.82772
1248	398.349	51.4942	1.93471	-	15.1367	2.11968
1272	369.876	49.0275	1.86172	-	16.2975	2.44063
1281	377.288	54.1568	2.10568	-	12.3171	2.6556
1431	475.116	27.2249	1.57576	-	10.1935	1.3048
1440	524.714	30.6353	1.52977	-	12.3071	1.40579
1464	510.707	30.1624	1.64975	-	11.1973	1.16382
1473	532.719	30.0104	1.78973	-	9.28159	1.49477
2235	1800	23.4654	1.88971	-	26.261	2.98455
2244	1800	23.6004	1.9547	-	25.7131	1.67874
2268	1800	24.5703	1.9517	-	29.6455	2.02069
2277	-	23.7044	1.91071	-	28.7916	2.20566
2355	-	24.0303	2.13867	-	22.8685	2.37364
2364	-	24.2073	2.09168	-	23.4474	2.32765
2388	-	24.1913	2.15767	-	28.4677	2.40763
2397	-	23.7714	2.21666	-	23.3265	2.50462
3543	-	382.634	5.81112	-	126.575	6.17906
3552	-	368.646	5.61715	-	123.793	9.2066
3576	-	371.674	5.57015	-	124.471	6.50101
3585	-	362.856	5.82311	-	127.779	5.33419
3663	-	383.855	5.88711	-	125.984	7.9198
3672	-	385.33	5.63514	-	137.021	7.62684
3696	-	385.042	6.46902	-	141.519	8.05777
3705	-	352.646	6.01509	-	133.824	8.63269
4155	-	222.816	5.01324	-	99.5459	4.76028
4164	-	216.48	4.89726	-	95.9034	4.52331

**Pebbling formulas, Gilbert-Tarjan graphs, substitution neq 3**  
**no shuffle, preprocessing, clause removal**  
**CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
456	19.605	3.3145	0.52192	1800	0.942856	0.25796
465	22.0097	3.16652	0.442932	1800	1.9657	0.228965
747	73.5278	2.96055	0.647901	1800	3.81142	1.2858
756	80.0048	2.91456	0.624905	-	6.76897	0.640902
780	76.6343	2.97955	0.636903	-	1.66775	0.710891
789	83.8133	2.98855	0.618905	-	3.89241	2.6406
1239	161.972	29.5435	1.78173	-	28.0857	20.6709
1248	164.816	29.4425	2.06569	-	27.7988	4.12437
1272	161.987	31.8812	1.93171	-	15.0227	25.4081
1281	166.388	31.1793	2.06868	-	16.3365	7.31189
1431	209.301	20.3229	1.59676	-	15.4636	3.74043
1440	216.331	24.1613	1.54177	-	16.2225	4.20236
1464	221.424	22.3686	1.70874	-	27.4778	4.02539
1473	219.657	21.7107	1.75773	-	16.1655	3.77942
2235	742.174	23.5414	1.89671	-	93.3718	9.14261
2244	754.89	23.6274	1.9597	-	94.7346	9.8365
2268	754.972	24.6513	1.9477	-	98.978	21.2948
2277	725.587	23.8544	1.91071	-	104.553	21.9737
2355	782.905	24.0373	2.15367	-	100.69	4.19236
2364	793.736	24.2283	2.09868	-	63.0254	7.28489
2388	805.467	24.2193	2.15667	-	105.161	8.77267
2397	811.468	23.6674	2.22666	-	104.092	16.7994
3543	1749.7	200.249	6.52201	-	570.417	110.934
3552	1779.72	202.549	6.03808	-	389.737	111.677
3576	1773.27	218.429	5.99309	-	1800	52.745
3585	1800	196.528	8.66268	-	877.068	160.082
3663	1800	214.259	8.81266	-	484.857	66.3719
3672	1800	213.49	5.66714	-	1389.48	52.848
3696	1800	205.047	9.23959	-	886.007	60.9317
3705	1800	207.659	6.38603	-	817.215	55.2116
4155	-	257.661	5.01924	-	1025.72	64.5402
4164	-	269.164	4.91125	-	947.211	11.2113
4188	-	275.623	5.09922	-	616.455	67.0658
4197	-	293.77	5.00624	-	613.708	59.438
4275	-	291.437	5.38218	-	433.138	44.2953
4284	-	292.099	5.2512	-	466.511	51.8481
4308	-	195.931	5.22121	-	533.399	55.6915
4317	-	276.847	5.34319	-	551.982	25.3571
6255	-	263.816	7.07092	-	1800	137.715
6264	-	241.6	6.77997	-	1800	60.2438



**Pebbling formulas, Gilbert-Tarjan graphs, substitution neq 3  
shuffle, preprocessing, no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
33	0.032994	0.05999	0.022996	0.05999	0.019996	0.019996
63	0.912861	0.032994	0.018997	10.9363	0.027995	0.029995
123	2.96855	0.307953	0.069989	580.383	0.06399	0.037994
132	3.19251	0.418936	0.081987	339.237	0.102984	0.073988
228	18.9641	0.333949	0.147977	1800	0.181972	0.150977
237	24.5563	0.351946	0.141978	1800	0.233964	0.124981
405	39.72	7.08292	0.535918	1800	1.61275	0.530919
414	39.0461	7.19091	0.534918	-	1.9647	0.513921
456	45.1551	4.65129	0.492925	-	0.887865	0.343947
465	46.8109	4.25735	0.52492	-	1.15882	0.281957
747	211.038	2.94855	0.614906	-	1.9417	0.469928
756	203.396	3.19351	0.599908	-	1.88671	0.473927
780	208.947	3.06253	0.694894	-	2.6266	0.473927
789	224.876	3.09753	0.631903	-	2.43063	0.6559
1239	366.461	49.4445	1.9987	-	13.352	2.16767
1248	361.948	52.2271	1.82172	-	13.8549	2.14067
1272	355.924	51.9001	2.26965	-	12.2831	2.27465
1281	376.109	54.3967	1.9677	-	12.5071	1.79373
1431	569.822	27.0909	1.63975	-	10.7724	1.50777
1440	481.558	28.6926	1.65175	-	12.2751	1.48177
1464	521.491	30.2264	1.79973	-	12.0112	1.89071
1473	537.019	27.8688	1.75173	-	12.0552	1.78373
2235	1800	23.3185	2.07368	-	23.9414	1.9497
2244	1800	24.7912	2.09768	-	20.2649	2.26365
2268	1800	24.4903	2.11768	-	23.3614	2.03469
2277	-	24.5613	2.25466	-	29.7845	1.9467
2355	-	24.4093	2.22266	-	27.9198	2.47862
2364	-	25.2562	2.20966	-	32.1991	2.85457
2388	-	25.4451	2.40563	-	22.8565	2.33664
2397	-	25.7381	2.47862	-	22.8615	2.70159
3543	-	339.557	6.02508	-	124.415	8.34673
3552	-	342.632	6.17906	-	143.739	9.43057
3576	-	364.139	6.13607	-	116.976	8.61569
3585	-	349.807	6.13507	-	132.238	10.3994
3663	-	373.966	6.19906	-	108.188	6.18406
3672	-	352.941	6.34703	-	138.534	7.99778
3696	-	379.905	6.19206	-	130.201	7.18491
3705	-	353.665	6.84596	-	157.152	7.73282
4155	-	226.584	5.43917	-	104.054	5.21121
4164	-	215.854	5.30819	-	112.022	5.2612

**Pebbling formulas, Gilbert-Tarjan graphs, substitution neq 3  
 shuffle, preprocessing, clause removal  
 CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
456	20.7468	3.07053	0.532918	1800	0.662899	0.560914
465	20.7318	3.19551	0.577912	1800	0.730888	0.280957
747	72.9479	2.95555	0.609907	1800	1.92471	1.55976
756	83.1404	3.06853	0.620905	-	3.81442	1.16682
780	76.8983	2.99754	0.686895	-	2.13767	0.687895
789	80.1808	3.10353	0.6559	-	1.93571	1.00085
1239	167.046	32.2141	1.9427	-	25.6011	3.78342
1248	168.065	30.7503	1.85272	-	27.4958	4.16937
1272	167.667	31.9541	2.26365	-	14.6538	8.28874
1281	169.25	31.4482	2.18167	-	26.127	17.3514
1431	217.599	22.1916	1.65775	-	15.1507	3.9534
1440	215.059	23.2115	1.78673	-	15.3457	4.24435
1464	228.02	25.0842	1.80972	-	17.9513	4.11937
1473	234.586	22.6626	1.83972	-	17.4064	4.42833
2235	783.493	23.3824	2.07968	-	98.82	10.4294
2244	759.846	24.8562	2.11268	-	86.4209	8.09977
2268	778.247	24.4433	2.12468	-	97.5162	18.2902
2277	774.272	24.5423	2.27065	-	106.791	8.63169
2355	805.474	24.4673	2.23666	-	102.089	10.4954
2364	794.297	25.2682	2.22366	-	61.6876	21.2508
2388	820.034	25.3511	2.40063	-	106.91	10.0335
2397	822.914	25.8121	2.47862	-	103.541	17.8653
3543	1800	197.902	6.38603	-	759.78	73.8108
3552	1800	204.926	8.88365	-	777.697	119.435
3576	1800	196.6	6.63899	-	1800	72.403
3585	1800	207.607	6.45202	-	809.11	62.2505
3663	1800	211.974	6.22205	-	594.041	113.506
3672	1800	210.317	6.69098	-	1434.38	5.67914
3696	-	228.928	6.30704	-	825.312	24.9992
3705	-	202.769	10.1695	-	612.965	115.506
4155	-	274.712	5.45317	-	1099.825	117.263
4164	-	274.427	5.31519	-	1085.74	67.1538
4188	-	290.541	5.54916	-	1800	70.3453
4197	-	285.927	5.42817	-	1800	70.3553
4275	-	297.634	5.77412	-	436.928	24.6653
4284	-	302.338	5.72013	-	648.535	52.564
4308	-	309.565	5.81312	-	912.8205	4.82627
4317	-	301.358	5.85711	-	938.256	24.9162
6255	-	250.541	7.83381	-	1800	58.4411
6264	-	252.761	8.05678	-	1800	66.5699

**Pebbling formulas, pyramid graphs, substitution neq 3**  
**no shuffle, no preprocessing, no clause removal**  
**CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
30	0.028995	0.003999	0.001999	0.021996	0.000999	0.000999
84	0.611906	0.026995	0.015997	8.41772	0.011998	0.006998
165	2.95855	0.102984	0.050992	273.454	0.047992	0.025996
273	7.43487	0.266959	0.140978	1800	0.114982	0.080987
408	12.5611	0.52292	0.25796	1800	0.203968	0.155976
570	20.5429	0.972852	0.460929	1800	0.487925	0.217966
759	37.0644	1.65275	0.698893	1800	0.753885	0.210967
975	48.3237	2.56961	1.03184	-	1.45678	0.361944
1218	76.6613	3.9184	1.49777	-	2.96555	0.451931
1488	102.084	5.60815	1.9537	-	4.37633	0.578911
1785	142.922	7.62484	2.33564	-	6.566	0.996848
2109	188.24	10.6124	3.36649	-	9.56954	1.05384
2460	263.073	14.3158	4.26335	-	14.6208	1.37079
2838	340.204	18.4602	5.2532	-	19.743	1.47778
3243	468.78	24.7692	6.62799	-	24.5233	2.49862
3675	593.161	32.3471	7.74482	-	40.9548	2.35564
4134	764.851	41.9926	8.72867	-	46.6389	2.94155
4620	930.981	52.925	9.76152	-	65.3231	3.59745
5133	1143.0	67.2478	11.2173	-	84.3622	3.98839
5673	1398.22	85.9709	13.8589	-	103.371	4.14137
6240	1665.18	105.729	16.0136	-	133.316	4.73328
6834	1800	128.449	17.2554	-	156.177	6.63699
7455	1800	157.229	19.0641	-	206.774	7.59485
8103	1800	189.334	22.4786	-	244.043	8.20175
8778	-	221.71	22.4686	-	271.894	7.97479
9480	-	259.55	27.1649	-	349.67	10.3784
10209	-	301.17	30.3394	-	395.655	10.9643
10965	-	351.99	33.4069	-	518.708	11.7922
11748	-	399.881	36.2075	-	556.707	11.8592
12558	-	457.574	41.6437	-	675.346	17.2794
13395	-	523.418	44.6292	-	726.215	18.4622
14259	-	591.107	46.4959	-	867.023	19.829
15150	-	672.099	49.5075	-	948.557	20.1179
16068	-	750.955	56.0415	-	1122.71	22.9075
17013	-	846.629	56.4364	-	1256.9	26.172
17985	-	947.246	65.695	-	1427.1	28.1897
18984	-	1046.14	74.8836	-	1589.84	28.4127
20010	-	1170.61	79.145	-	1737.91	31.5992
21063	-	1295.17	83.6693	-	1800	31.8932
22143	-	1428.25	92.6629	-	1800	35.3556

**Pebbling formulas, pyramid graphs, substitution neq 3**  
**no shuffle, no preprocessing, clause removal**  
**CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
30	0.020996	0.003999	0.001999	0.012998	0.000999	0.001999
63	0.161975	0.013997	0.009998	0.283956	0.006998	0.005999
108	0.466929	0.043993	0.026995	109.872	0.016997	0.015997
165	1.23581	0.095985	0.053991	898.514	0.043993	0.021996
234	2.51362	0.189971	0.109983	1800	0.084987	0.063999
315	4.36434	0.329949	0.153976	1800	0.138978	0.073988
408	7.99578	0.515921	0.255961	1800	0.312952	0.137979
513	11.9542	0.812876	0.348946	-	0.333949	0.133979
630	17.6893	1.14482	0.544917	-	0.562914	0.180972
759	25.7441	1.64975	0.72089	-	0.772882	0.217966
900	34.9007	2.22066	0.896863	-	1.2968	0.272958
1053	44.9382	2.98655	1.24581	-	1.9827	0.375942
1218	58.7411	3.9244	1.50177	-	3.82742	0.931858
1395	74.4987	5.02623	1.65975	-	3.80042	0.554915
1584	101.723	6.30404	2.07069	-	5.35219	2.55861
1785	122.04	7.62684	2.34464	-	9.03962	1.11983
1998	146.955	9.47056	3.01454	-	20.2259	1.16082
2223	184.131	11.7832	3.51747	-	14.4288	3.21651
2460	228.94	14.2708	4.27335	-	92.14	12.989
2709	274.133	17.3044	4.73728	-	19.1141	1.67475
2970	335.973	20.6399	5.2312	-	35.9505	3.13952
3243	412.323	24.9392	6.64699	-	90.1843	8.48071
3528	494.032	29.3405	7.2239	-	68.8155	6.02808
3825	597.417	35.9855	8.07077	-	43.6934	8.81966
4134	735.225	42.0326	8.74967	-	130.877	15.6546
4455	851.303	49.7224	9.63654	-	258.966	39.609
4788	957.145	59.353	9.8855	-	116.166	8.12676
5133	1123.64	67.4088	11.2693	-	248.148	53.9558
5490	1273.01	78.4961	13.131	-	726.233	54.7237
5859	1443.22	93.4788	14.3628	-	590.826	23.5404
6240	1674.65	106.487	16.1026	-	170.722	17.6213
6633	1800	120.538	18.0643	-	566.267	54.1078
7038	1800	137.502	18.0453	-	1248.79	25.5051
7455	1800	157.994	19.1561	-	1800	104.493
7884	-	176.338	21.1738	-	651.476	87.4337
8325	-	198.368	22.3796	-	481.619	91.993
8778	-	223.477	22.5756	-	1328.91	56.3954
9243	-	246.729	25.1822	-	556.892	124.596
9720	-	270.683	27.9507	-	1540.79	115.625
10209	-	302.685	30.4224	-	1800	92.5829

**Pebbling formulas, pyramid graphs, substitution neq 3  
shuffle, no preprocessing, no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
30	0.031995	0.003999	0.001999	0.027995	0.001999	0.001999
84	0.551916	0.025996	0.014997	6.12207	0.014997	0.010998
165	3.10953	0.106983	0.05999	371.987	0.045993	0.031995
273	7.8768	0.270958	0.123981	1800	0.104984	0.076988
408	14.4768	0.546916	0.245962	1800	0.253961	0.147977
570	21.8537	1.05084	0.418936	1800	0.570913	0.19497
759	37.7093	1.77673	0.757884	1800	0.880866	0.377942
975	56.5474	2.78258	1.04784	-	1.23081	0.321951
1218	78.1041	4.07138	1.45078	-	2.85357	0.549916
1488	120.54	6.22905	1.9697	-	4.74128	0.735888
1785	160.615	8.61369	2.70159	-	5.76812	0.937857
2109	215.74	12.1152	3.22251	-	10.7944	1.09083
2460	291.106	16.0536	4.16337	-	16.6865	1.47378
2838	383.093	21.0848	4.99624	-	22.2786	1.71174
3243	517.436	28.6336	6.53601	-	30.9163	2.24066
3675	669.337	37.7043	7.8548	-	42.0806	2.6316
4134	848.915	49.3895	8.76967	-	53.6188	3.18252
4620	1077.18	62.9594	10.0485	-	74.6507	3.13352
5133	1364.28	81.2646	12.0812	-	98.917	4.51331
5673	1577.6	102.795	14.6608	-	123.928	5.20321
6240	1800	127.021	16.4655	-	142.247	5.9151
6834	1800	157.54	18.7412	-	171.513	7.35588
7455	1800	191.769	20.8608	-	222.001	8.63269
8103	1800	226.772	23.4224	-	275.622	8.90265
8778	-	274.901	23.1445	-	323.093	9.8805
9480	-	318.88	29.0236	-	397.141	10.2534
10209	-	376.875	32.4391	-	473.467	11.0943
10965	-	440.253	39.153	-	545.752	13.023
11748	-	503.427	39.429	-	631.043	13.4919
12558	-	578.957	44.4452	-	691.362	18.5832
13395	-	667.786	49.1515	-	851.135	21.3378
14259	-	753.143	54.7507	-	988.188	21.8697
15150	-	852.45	58.4681	-	1138.66	23.1845
16068	-	956.058	64.7542	-	1277.66	26.512
17013	-	1072.2	66.6509	-	1420.77	29.8305
17985	-	1218.96	78.2551	-	1629.32	31.5322
18984	-	1345.76	81.4476	-	1779.58	35.6616
20010	-	1497.01	94.4606	-	1800	34.2868
21063	-	1665.43	94.7626	-	1800	34.8167
22143	-	1800	104.289	-	1800	45.768

**Pebbling formulas, pyramid graphs, substitution neq 3  
shuffle, no preprocessing, clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
30	0.019996	0.002999	0.001999	0.016997	0.001999	0.001999
63	0.134979	0.013997	0.011998	0.199969	0.011998	0.008998
108	0.460929	0.040993	0.025996	70.3523	0.024996	0.025996
165	1.3238	0.104984	0.055991	930.666	0.045993	0.033994
234	2.75858	0.200969	0.092985	1800	0.068989	0.054991
315	4.95225	0.331949	0.162975	1800	0.136979	0.077988
408	7.51586	0.541917	0.246962	1800	0.221966	0.120981
513	11.5682	0.812876	0.369943	-	0.32795	0.143978
630	17.8913	1.21881	0.529919	-	0.566913	0.235964
759	24.9702	1.77573	0.753885	-	1.2948	0.354946
900	34.8667	2.35864	0.932858	-	1.3258	0.386941
1053	47.7917	3.10353	1.22581	-	1.85772	0.410937
1218	62.4975	4.07238	1.45478	-	2.58261	0.618905
1395	76.3104	5.37218	1.88771	-	3.40248	1.20682
1584	104.048	6.81296	2.10768	-	5.95809	1.09383
1785	127.581	8.58869	2.71859	-	8.72767	1.15182
1998	162.234	10.7514	3.23651	-	21.6397	3.38648
2223	201.013	12.8191	3.57845	-	11.5512	1.46578
2460	249.075	16.0626	4.17337	-	144.98	3.55846
2709	297.225	19.573	4.70328	-	21.3608	7.07492
2970	366.888	23.3664	5.72713	-	39.629	2.34664
3243	467.889	28.7456	6.581	-	91.7271	14.9757
3528	557.327	34.6027	7.38588	-	72.321	7.57085
3825	652.997	41.2627	7.84981	-	49.7404	3.97439
4134	830.298	49.5375	8.78067	-	142.027	16.9084
4455	943.872	57.3303	9.33458	-	257.79	38.7351
4788	1131.78	68.9215	10.1045	-	121.573	36.8074
5133	1337.52	81.2986	12.0822	-	381.547	44.1443
5490	1499.06	94.8666	13.098	-	735.447	18.5522
5859	1692.025	109.983	15.1437	-	587.22	35.9055
6240	1800	126.641	16.5065	-	181.094	51.8001
6633	1800	147.809	17.4234	-	552.104	45.5171
7038	1800	169.174	18.5322	-	1077.94	112.382
7455	1800	191.558	20.8828	-	1800	112.551
7884	-	218.354	22.4116	-	640.205	101.203
8325	-	241.478	24.2013	-	626.965	102.975
8778	-	274.421	23.1555	-	1290.415	59.395
9243	-	303.656	29.2566	-	798.072	47.4258
9720	-	335.714	31.3432	-	1603.76	231.859
10209	-	376.569	32.5431	-	1800	63.4873

**Pebbling formulas, pyramid graphs, substitution neq 3  
no shuffle, preprocessing, no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
30	0.027995	0.003999	0.002999	0.025996	0.002999	0.002999
84	0.640902	0.028995	0.022996	8.17676	0.021996	0.016997
165	2.28965	0.110983	0.06299	172.738	0.054991	0.038994
273	6.96594	0.268959	0.137979	1800	0.136979	0.089986
408	13.442	0.559914	0.290955	1800	0.265959	0.12798
570	23.7284	1.01984	0.468928	1800	0.646901	0.235964
759	35.4596	1.65475	0.779881	1800	0.910861	0.291955
975	52.793	2.68559	1.15282	-	1.53877	0.45893
1218	70.6363	3.90241	1.41778	-	2.96955	0.634903
1488	109.745	5.82911	1.93371	-	4.27935	0.673897
1785	145.02	7.9188	2.6026	-	7.09492	0.859869
2109	198.297	10.8054	3.40948	-	8.58169	1.2868
2460	251.761	14.5308	4.38633	-	14.5678	1.53077
2838	354.138	19.1131	5.33519	-	18.1042	1.84972
3243	468.783	24.7522	6.559	-	28.6226	2.54761
3675	583.64	33.024	7.77282	-	39.329	2.94555
4134	787.271	42.3496	8.88265	-	48.7236	3.24451
4620	941.25	54.1218	10.3944	-	62.8065	3.80642
5133	1129.14	68.1596	11.9902	-	85.9219	4.46632
5673	1369.79	86.1929	14.6198	-	111.783	4.79427
6240	1643.835	105.062	16.8764	-	131.384	5.38818
6834	1800	129.221	17.5503	-	165.764	6.93895
7455	1800	158.145	18.8061	-	202.869	7.71483
8103	1800	188.324	22.4986	-	248.488	9.10462
8778	-	222.353	23.2655	-	294.88	9.66953
9480	-	264.987	28.4587	-	336.698	10.8593
10209	-	307.02	30.5853	-	423.232	11.8322
10965	-	353.721	35.1517	-	487.138	13.039
11748	-	404.907	37.0684	-	576.902	13.174
12558	-	465.906	41.7517	-	628.453	18.2392
13395	-	534.004	45.4041	-	728.123	19.697
14259	-	602.985	45.74	-	821.366	22.5656
15150	-	680.335	51.1742	-	988.583	21.5807
16068	-	762.218	58.3441	-	1139.11	23.4134
17013	-	853.069	57.5163	-	1275.38	26.473
17985	-	953.949	66.5019	-	1454.82	27.6018
18984	-	1068.8	73.0359	-	1581.05	30.1704
20010	-	1172.85	81.2077	-	1800	33.162
21063	-	1297.14	86.0649	-	1800	35.3156
22143	-	1443.85	95.8944	-	1800	35.2396

**Pebbling formulas, pyramid graphs, substitution neq 3**  
**no shuffle, preprocessing, clause removal**  
**CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
30	0.016997	0.003999	0.003999	0.013997	0.002999	0.002999
63	0.12798	0.016997	0.012998	0.352946	0.008998	0.007998
108	0.476927	0.048992	0.030995	70.8982	0.030995	0.027995
165	1.2788	0.105983	0.065989	933.759	0.053991	0.039993
234	2.55461	0.199969	0.120981	1800	0.087986	0.067989
315	4.11137	0.345947	0.179972	1800	0.164974	0.101984
408	8.00578	0.551916	0.284956	1800	0.235964	0.143978
513	11.5113	0.840872	0.418936	-	0.427934	0.179972
630	16.5495	1.19882	0.52392	-	0.608907	0.263959
759	25.5071	1.65175	0.780881	-	0.840872	0.367944
900	30.9973	2.30865	1.05284	-	1.46678	0.559914
1053	45.3791	3.05553	1.24081	-	2.03569	0.927858
1218	57.9982	3.88141	1.43078	-	5.45217	0.607907
1395	74.7136	5.05623	1.88371	-	3.43348	0.681896
1584	97.2012	6.52401	2.36364	-	12.7351	0.974851
1785	121.639	7.83181	2.6106	-	8.90265	1.83872
1998	158.869	9.60854	3.15852	-	20.2599	3.19951
2223	184.832	12.0682	3.79942	-	14.0459	6.77897
2460	225.706	14.4908	4.40133	-	92.4929	1.46878
2709	282.613	17.3154	4.99224	-	17.7553	2.32665
2970	336.884	20.9408	5.77412	-	35.7176	5.33419
3243	417.528	24.6792	6.57	-	89.4854	15.2577
3528	487.923	29.8375	7.2059	-	69.7294	9.03463
3825	611.898	36.0785	8.30874	-	61.6586	7.81981
4134	739.902	42.2206	8.86565	-	211.402	34.6637
4455	845.123	50.2704	9.8465	-	250.61	19.864
4788	981.566	59.6169	10.4664	-	126.241	38.6311
5133	1122.02	68.3026	11.9762	-	307.79	36.4535
5490	1292.23	82.4085	13.143	-	704.641	39.9829
5859	1466.81	93.1368	15.2967	-	438.517	37.7473
6240	1661.72	105.13	16.8614	-	189.471	53.3159
6633	1800	119.327	18.0443	-	1243.31	95.6665
7038	1800	139.549	18.0972	-	1290.14	54.2398
7455	1800	158.731	18.8101	-	1800	110.75
7884	-	175.911	19.792	-	648.179	93.3518
8325	-	196.445	23.0025	-	544.4405	63.9113
8778	-	222.507	23.2805	-	1337.11	130.225
9243	-	246.832	27.4218	-	803.716	142.573
9720	-	272.985	28.0577	-	1800	119.354
10209	-	307.781	30.5644	-	1624.88	98.1231



**Pebbling formulas, pyramid graphs, substitution neq 3  
shuffle, preprocessing, no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
30	0.025996	0.003999	0.002999	0.011998	0.002999	0.003999
84	0.518921	0.031995	0.019996	7.06593	0.019996	0.020996
165	2.6156	0.110983	0.06199	183.109	0.057991	0.041993
273	6.90195	0.278957	0.140978	1800	0.145977	0.089986
408	11.9052	0.548916	0.278957	1800	0.297954	0.19397
570	21.4527	1.04384	0.491925	1800	0.499924	0.267959
759	36.6234	1.66675	0.72089	1800	0.84987	0.317951
975	49.6864	2.78058	1.12283	-	1.76273	0.542917
1218	75.2616	4.08238	1.60875	-	2.92656	0.669898
1488	106.854	5.88711	2.15567	-	4.17636	0.926859
1785	143.882	8.32173	2.76258	-	7.46187	1.11983
2109	200.003	10.8114	3.37449	-	9.2406	1.51477
2460	271.699	14.8277	4.37533	-	13.9859	1.64475
2838	356.608	19.826	5.49316	-	19.85	2.53561
3243	475.706	25.9071	6.76397	-	29.4095	2.95155
3675	589.631	34.5307	7.75282	-	36.5914	2.89056
4134	743.954	44.1523	9.2276	-	46.8879	4.29735
4620	930.715	56.1265	10.3064	-	71.3432	4.46432
5133	1191.3	71.1272	12.8121	-	89.0005	5.13222
5673	1399.33	87.4407	15.0267	-	106.54	5.65214
6240	1690.81	108.051	17.4413	-	148.799	7.59185
6834	1800	134.743	19.1081	-	167.992	8.17376
7455	1800	162.267	21.7337	-	223.19	9.41457
8103	1800	196.159	23.6954	-	245.468	10.5284
8778	-	228.972	26.7959	-	304.08	11.7742
9480	-	268.843	32.3151	-	383.938	13.5489
10209	-	315.696	36.5164	-	431.88	13.7739
10965	-	361.902	39.718	-	504.47	16.3035
11748	-	426.542	42.7105	-	594.242	16.7535
12558	-	483.135	47.1398	-	703.007	22.3396
13395	-	549.835	53.3509	-	825.522	24.8702
14259	-	619.325	53.9868	-	902.531	27.0689
15150	-	705.223	63.3624	-	1007.8	28.3937
16068	-	797.444	64.8511	-	1126.66	30.0524
17013	-	894.161	71.3622	-	1290.26	32.765
17985	-	994.197	82.1715	-	1442.84	36.5744
18984	-	1104.27	89.4994	-	1666.815	39.726
20010	-	1230.05	99.2519	-	1800	42.5035
21063	-	1369.8	104.164	-	1800	45.2031
22143	-	1505.28	113.131	-	1800	56.7584

**Pebbling formulas, pyramid graphs, substitution neq 3  
shuffle, preprocessing, clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
30	0.017997	0.004999	0.003999	0.010998	0.003999	0.003999
63	0.141978	0.016997	0.014997	0.351946	0.014997	0.011998
108	0.463929	0.049992	0.029995	29.9264	0.034994	0.025996
165	1.23981	0.107983	0.06399	940.794	0.06099	0.043993
234	2.45063	0.209968	0.119981	1800	0.109983	0.074988
315	4.6223	0.355945	0.187971	1800	0.170974	0.113982
408	7.66183	0.546916	0.278957	1800	0.249962	0.184971
513	11.1423	0.863868	0.423935	-	0.473927	0.213967
630	17.9493	1.21081	0.533918	-	0.650901	0.265959
759	25.8121	1.66575	0.713891	-	0.963853	0.332949
900	34.4758	2.27965	1.01684	-	1.54177	0.45593
1053	45.6111	3.09153	1.3098	-	2.15467	0.549916
1218	58.4641	4.09238	1.61575	-	5.9281	1.36179
1395	75.2316	5.22621	1.90971	-	3.99939	0.731888
1584	99.1479	6.564	2.33664	-	5.67914	2.68159
1785	122.78	8.33873	2.77858	-	8.66168	1.17882
1998	155.055	10.2544	3.43648	-	19.611	3.50647
2223	193.115	12.6561	3.72343	-	11.7412	3.13852
2460	232.761	14.8247	4.38833	-	91.898	14.3728
2709	282.932	17.8783	5.19721	-	22.3196	2.6266
2970	341.49	21.6367	5.67014	-	39.519	4.25435
3243	429.286	25.8501	6.78597	-	91.773	15.5286
3528	498.014	30.8723	7.39987	-	63.8453	11.0153
3825	610.547	37.4123	8.30474	-	50.2144	9.38257
4134	735.726	44.1833	9.28459	-	217.221	4.76727
4455	857.842	51.8951	10.4014	-	248.988	16.1095
4788	987.957	60.5738	11.0343	-	113.433	41.5737
5133	1161.0	71.1062	12.85	-	322.527	41.7706
5490	1284.48	83.3493	14.1488	-	716.777	23.2675
5859	1477.76	96.3703	16.1195	-	454.843	49.1245
6240	1687.11	107.951	17.5593	-	178.553	55.7565
6633	1800	124.204	18.4982	-	562.349	22.5996
7038	1800	144.155	19.859	-	1104.64	58.0562
7455	1800	162.678	21.8237	-	265.997	114.026
7884	-	180.206	22.1016	-	714.686	103.487
8325	-	207.014	24.3713	-	531.663	113.763
8778	-	230.054	26.8819	-	1405.27	113.841
9243	-	253.972	31.4852	-	840.0055	114.187
9720	-	282.288	34.7897	-	1593.99	130.372
10209	-	315.91	36.6094	-	1662.66	119.619

**Pebbling formulas, width 2 chain graphs, substitution neq 3  
no shuffle, no preprocessing, no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
27	0.110983	0.004999	0.004999	0.058991	0.002999	0.002999
51	1.13883	0.022996	0.010998	10.8054	0.009998	0.008998
75	4.84626	0.052991	0.036994	269.332	0.029995	0.020996
99	12.0072	0.118981	0.05999	1048.62	0.055991	0.046992
123	16.7025	0.19097	0.104984	1800	0.091986	0.056991
147	30.8313	0.306953	0.118981	1800	0.152976	0.121981
171	46.189	0.463929	0.141978	1800	0.149977	0.103984
195	46.6629	0.633903	0.204968	1800	0.350946	0.107983
219	69.0165	0.91686	0.273958	-	0.604908	0.347947
243	94.3857	1.08983	0.26296	-	0.583911	0.25796
267	124.277	1.36479	0.366944	-	0.736887	0.345947
291	143.486	1.60276	0.363944	-	0.932858	0.434933
315	167.325	1.90271	0.32695	-	1.82072	0.477927
339	203.316	2.27165	0.444932	-	1.41878	0.473927
363	322.581	2.67759	0.633903	-	2.39864	0.527919
387	305.658	3.03954	0.601908	-	2.37764	0.901862
411	384.917	3.59645	0.688895	-	2.69059	0.790879
435	443.16	4.10837	0.693894	-	2.88956	1.45278
459	513.761	4.6043	0.790879	-	3.82942	1.52277
483	589.533	4.81527	0.965853	-	3.56046	1.03884
507	653.241	6.08907	0.891864	-	4.65929	1.36579
531	770.965	6.87296	0.757884	-	7.13791	1.59076
555	819.561	7.36988	0.991849	-	9.75652	1.89871
579	1035.93	8.48071	1.24281	-	10.6664	1.49077
603	1061.32	8.91364	1.25481	-	10.9323	1.10283
627	1310.54	10.4454	0.986849	-	10.7034	2.90456
651	1293.64	11.4213	1.3098	-	12.84	2.81357
675	1441.06	10.9713	1.3168	-	13.7369	2.6136
699	1512.9	12.2391	1.56876	-	15.6006	2.83557
723	1519.3	12.974	1.45678	-	19.2631	2.41363
747	1800	15.4966	1.56776	-	19.3801	2.40763
771	1800	17.5353	1.75173	-	26.122	3.33849
795	1800	17.5393	1.73874	-	25.2412	1.9447
819	-	18.0723	1.9967	-	27.7998	3.78442
843	-	19.802	1.88671	-	36.1755	5.97809
867	-	20.9168	2.08768	-	37.1943	3.40648
891	-	23.0615	1.62675	-	45.914	4.22936
915	-	26.093	1.84272	-	53.9688	5.39918
939	-	23.2965	2.6166	-	52.0421	4.65529
963	-	27.9617	2.36764	-	49.3215	5.8971

**Pebbling formulas, width 2 chain graphs, substitution neq 3  
no shuffle, no preprocessing, clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
45	0.213967	0.014997	0.009998	0.85287	0.008998	0.006998
87	1.3108	0.071989	0.045993	1800	0.030995	0.031995
129	3.42348	0.180972	0.084987	1800	0.113982	0.052991
171	6.92195	0.360945	0.157975	1800	0.12998	0.078987
213	10.8074	0.607907	0.233964	-	0.290955	0.147977
255	17.1294	0.866868	0.291955	-	0.92086	0.467928
297	24.0663	1.21681	0.394939	-	0.964853	0.230964
339	33.156	1.72074	0.473927	-	2.27265	0.465929
381	43.9223	2.13667	0.580911	-	3.79442	0.662899
423	56.3184	2.77658	0.702893	-	5.53616	0.954854
465	69.7864	3.41348	0.906862	-	5.03223	2.38764
507	85.353	4.17736	0.966853	-	7.10592	0.868867
549	99.4339	5.2652	0.98385	-	17.0174	5.43417
591	124.623	6.05008	1.13483	-	5.63314	6.31104
633	141.141	7.04893	1.34279	-	42.2716	6.15106
675	162.946	8.04778	1.34879	-	33.9968	5.82511
717	192.458	9.83051	1.49677	-	55.7455	9.12861
759	222.183	11.5862	1.49277	-	50.4893	16.4155
801	242.972	11.9932	1.9697	-	125.41	11.3773
843	283.108	14.0629	1.87971	-	129.875	12.3531
885	312.798	15.6996	2.16267	-	247.397	24.6513
927	339.466	18.6912	2.19767	-	184.133	17.1864
969	384.749	20.7508	2.24066	-	228.191	40.6188
1011	431.74	20.6089	2.50662	-	480.081	7.57685
1053	458.286	25.3211	2.59761	-	220.577	30.9933
1095	518.961	26.5	2.55861	-	371.843	58.0232
1137	564.568	28.1207	2.6386	-	463.565	14.0569
1179	612.82	31.6192	2.85057	-	657.107	37.0014
1221	635.402	33.026	2.89756	-	600.599	69.7614
1263	702.802	38.8351	3.39148	-	523.722	200.391
1305	760.482	37.8163	3.32549	-	695.839	86.3139
1347	840.462	45.1851	3.78342	-	776.444	98.1241
1389	873.56	48.7456	3.48147	-	1425.335	33.045
1431	945.186	53.7298	3.56046	-	1800	29.4755
1473	1008.04	55.9265	4.32834	-	1661.08	155.261
1515	1113.52	59.6459	3.65044	-	1800	87.0638
1557	1179.44	64.2282	4.12737	-	1800	97.1182
1599	1268.11	67.2068	3.9714	-	388.879	67.4138
1641	1338.27	73.8068	4.89126	-	1800	325.91
1683	1419.41	72.521	5.2282	-	1800	90.3143

**Pebbling formulas, width 2 chain graphs, substitution neq 3  
shuffle, no preprocessing, no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
27	0.12898	0.003999	0.003999	0.095985	0.001999	0.001999
51	1.38479	0.019996	0.013997	8.44971	0.012998	0.009998
75	4.82327	0.05999	0.033994	328.611	0.034994	0.027995
99	10.4224	0.120981	0.06199	1163.59	0.056991	0.036994
123	14.6798	0.202969	0.104984	1800	0.106983	0.05999
147	28.9236	0.351946	0.118981	1800	0.153976	0.06099
171	36.0215	0.52092	0.156976	1800	0.208968	0.122981
195	54.2538	0.645901	0.243962	-	0.250961	0.19697
219	67.1548	0.889864	0.309952	-	0.569913	0.201969
243	88.9925	1.10283	0.290955	-	0.556915	0.364944
267	142.447	1.41978	0.334949	-	0.921859	0.411937
291	134.745	1.57276	0.32495	-	0.825874	0.382941
315	201.893	2.03169	0.507922	-	1.69074	0.685895
339	221.189	2.76658	0.471928	-	2.28665	0.6519
363	230.826	2.76158	0.505923	-	2.26965	0.714891
387	342.316	3.44848	0.553915	-	2.43963	0.702893
411	368.528	3.77743	0.691894	-	2.51762	0.950855
435	439.731	4.21536	0.731888	-	3.22951	0.767883
459	483.972	5.69413	0.754885	-	3.78043	1.14083
483	677.305	4.96324	0.768883	-	4.78627	1.03784
507	689.311	5.59015	0.989849	-	6.15006	1.14083
531	820.174	6.74697	1.02684	-	7.14591	1.43778
555	800.953	7.96879	1.07484	-	10.4324	1.87072
579	1067.53	7.80681	1.23981	-	11.0743	2.37864
603	1097.26	8.51571	1.18682	-	11.9852	1.56276
627	1285.47	11.1623	1.35879	-	11.8292	3.25351
651	1352.93	12.0212	1.37479	-	11.3913	2.23166
675	1542.25	12.2191	1.41778	-	12.4371	2.71359
699	1677.05	12.4631	1.52677	-	18.2922	2.6366
723	1800	15.0747	1.70674	-	14.1219	2.91056
747	1800	14.5148	1.57376	-	21.1378	3.48847
771	1800	16.7595	1.61875	-	28.0137	4.54931
795	1800	19.1751	1.63975	-	21.9677	2.96655
819	1800	18.0922	1.86372	-	27.3118	2.07868
843	-	24.5373	1.75973	-	27.4778	3.12352
867	-	21.4757	2.03869	-	39.17	5.2282
891	-	25.9471	2.28765	-	37.9802	4.82527
915	-	26.172	2.11368	-	36.6194	5.12522
939	-	27.6978	2.34064	-	54.4817	4.06138
963	-	29.8745	2.42263	-	53.2089	5.01224

**Pebbling formulas, width 2 chain graphs, substitution neq 3  
shuffle, no preprocessing, clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
45	0.206968	0.014997	0.013997	0.397939	0.009998	0.006998
87	1.17982	0.067989	0.049992	1800	0.038994	0.031995
129	3.3025	0.19697	0.088986	1800	0.105983	0.056991
171	6.586	0.361944	0.144977	1800	0.142978	0.076988
213	11.9422	0.578911	0.238963	1800	0.337948	0.239963
255	16.6265	0.886865	0.312952	-	0.58691	0.272958
297	22.4166	1.26681	0.463929	-	0.870867	0.799878
339	32.895	1.82072	0.495924	-	0.938857	1.25681
381	44.7922	2.30365	0.678896	-	2.46062	2.6296
423	58.5341	2.6326	0.672897	-	4.47632	0.677896
465	71.4581	3.54046	0.775882	-	10.1165	0.632903
507	85.181	4.37833	1.01285	-	12.7671	2.34564
549	106.354	4.86926	1.03084	-	18.5682	7.70383
591	127.528	6.28204	1.19982	-	19.1741	13.476
633	145.492	7.09792	1.3028	-	24.6293	7.57685
675	173.465	8.17976	1.34979	-	27.2709	10.2364
717	196.632	10.1815	1.62975	-	65.1791	13.175
759	229.903	12.1971	1.71574	-	73.8238	3.68044
801	255.702	13.031	1.84972	-	114.425	7.97179
843	294.48	15.7656	1.86871	-	159.985	12.2251
885	327.511	16.7195	2.14567	-	171.763	40.5848
927	363.465	19.1541	2.13667	-	193.304	25.8811
969	389.725	20.0959	2.35664	-	468.507	36.6254
1011	429.36	23.1175	2.52961	-	472.936	14.5878
1053	479.295	24.5623	2.92156	-	504.19	54.0378
1095	527.666	27.1029	2.87256	-	514.173	43.1284
1137	567.714	32.4751	3.10253	-	345.27	15.4237
1179	613.432	34.2508	2.89856	-	565.323	82.0675
1221	674.141	35.5056	3.3125	-	884.081	98.0681
1263	726.786	38.8731	3.03254	-	545.7605	71.0372
1305	801.483	43.0855	2.95755	-	774.727	100.835
1347	837.216	47.5688	3.34949	-	745.898	41.2887
1389	937.932	50.1784	3.76943	-	822.083	38.6361
1431	1016.6	54.8937	4.00639	-	1800	61.5776
1473	1073.29	59.073	4.14637	-	1624.01	174.328
1515	1180.95	63.8413	3.9334	-	1800	87.4097
1557	1229.36	63.6983	3.90941	-	1800	144.615
1599	1341.92	72.174	4.77827	-	759.032	65.0551
1641	1441.25	79.3839	4.79727	-	1800	198.067
1683	1526.24	80.5957	4.5803	-	1800	148.062

**Pebbling formulas, width 2 chain graphs, substitution neq 3  
no shuffle, preprocessing, no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
27	0.055991	0.005999	0.004999	0.06199	0.003999	0.003999
51	1.39079	0.023996	0.015997	7.75882	0.013997	0.010998
75	3.31849	0.057991	0.037994	186.803	0.034994	0.029995
99	8.24675	0.118981	0.067989	1131.85	0.06199	0.051992
123	17.6073	0.202969	0.099984	1800	0.115982	0.06499
147	22.8485	0.340948	0.135979	1800	0.166974	0.087986
171	36.2125	0.446932	0.178972	1800	0.25796	0.120981
195	46.163	0.642902	0.228965	1800	0.351946	0.206968
219	67.5407	0.860869	0.246962	-	0.537918	0.208968
243	76.6853	0.977851	0.263959	-	0.578911	0.380942
267	100.493	1.3078	0.299954	-	0.670898	0.244962
291	125.649	1.49677	0.353946	-	0.767883	0.487925
315	166.91	2.02369	0.425935	-	1.13183	0.415936
339	208.541	2.23166	0.478927	-	1.3128	0.616906
363	214.45	2.58061	0.568913	-	2.04869	0.745886
387	309.85	3.2855	0.692894	-	2.30265	0.976851
411	323.02	3.2965	0.737887	-	2.6196	0.333949
435	380.636	3.80842	0.768883	-	3.88741	1.34879
459	452.061	4.6193	0.792879	-	4.07138	1.07984
483	503.595	5.01824	1.08384	-	4.16637	1.45278
507	648.947	5.48916	0.893864	-	5.18421	1.12883
531	639.605	6.67399	0.855869	-	5.63014	1.58576
555	766.496	7.15991	1.11683	-	10.3224	2.34964
579	868.291	7.43387	1.01285	-	7.28689	1.83972
603	962.602	8.83366	1.18682	-	10.9553	1.45878
627	1086.92	10.1345	1.13983	-	10.6844	2.08768
651	1168.59	10.5744	1.23681	-	17.3914	1.81172
675	1341.78	11.2283	1.62575	-	11.2973	3.21851
699	1419.0	12.1671	1.42478	-	12.7671	2.73858
723	1571.55	14.6938	1.41478	-	14.1069	2.56761
747	1632.1	13.7999	1.73074	-	19.438	2.94955
771	1732.605	18.5322	1.66275	-	26.7969	4.5693
795	1800	17.6333	1.63475	-	27.0229	2.76458
819	1800	18.3492	1.78173	-	17.0534	2.75658
843	1800	20.8528	1.89671	-	35.4846	3.2995
867	1800	21.3478	1.87971	-	34.3718	4.93525
891	-	20.1979	1.9807	-	32.597	4.74028
915	-	25.1922	2.13667	-	37.2453	4.47432
939	-	25.0702	1.9707	-	50.5513	4.32234
963	-	29.1016	2.28765	-	59.7249	4.17736

**Pebbling formulas, width 2 chain graphs, substitution neq 3  
no shuffle, preprocessing, clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
45	0.170974	0.015997	0.012998	0.644901	0.010998	0.008998
87	1.01484	0.082987	0.038994	1800	0.046992	0.035994
129	3.14952	0.19097	0.113982	1800	0.114982	0.050992
171	6.23905	0.354946	0.179972	1800	0.239963	0.103984
213	9.46656	0.584911	0.266959	-	0.19097	0.548916
255	16.5465	0.874867	0.208954	-	0.39194	0.716891
297	22.6116	1.27081	0.440932	-	2.17767	0.684895
339	32.3851	1.67475	0.45893	-	1.90871	0.333949
381	42.4485	2.20267	0.556915	-	1.83272	0.404938
423	53.6538	2.82857	0.747886	-	4.73228	0.661899
465	67.5287	3.57446	0.906862	-	13.8549	2.33164
507	79.9678	4.16637	0.908861	-	7.00793	3.42948
549	100.606	4.75228	1.12883	-	28.6326	1.63875
591	116.042	5.99009	1.17182	-	19.3041	7.35888
633	134.638	7.26989	1.35379	-	14.5998	11.2383
675	161.791	8.45971	1.73474	-	31.8682	7.31089
717	177.905	9.56155	1.56476	-	63.0824	11.0783
759	198.636	11.1553	1.58776	-	106.798	24.0014
801	232.7	11.9922	1.84972	-	85.394	13.6929
843	260.166	14.0939	2.13267	-	76.4474	40.7758
885	294.876	15.5226	2.0027	-	172.543	34.1698
927	322.066	16.2385	2.31065	-	123.534	41.4987
969	355.959	19.2941	2.29465	-	278.317	41.6967
1011	398.646	21.7687	2.37364	-	88.5525	7.8908
1053	439.58	24.0213	2.72959	-	258.033	85.342
1095	481.579	26.462	2.74858	-	712.144	55.8605
1137	549.494	28.4507	3.36549	-	650.878	61.6066
1179	581.719	31.1443	3.09253	-	675.304	37.6753
1221	607.585	35.1047	2.91856	-	430.805	19.798
1263	680.713	38.2012	4.03639	-	1476.19	57.5702
1305	734.813	41.6107	2.93155	-	604.647	165.068
1347	796.902	43.3614	3.39148	-	1500.515	296.727
1389	840.242	46.7819	3.44348	-	1760.38	91.6111
1431	906.304	51.1412	4.06938	-	776.358	136.281
1473	988.344	54.1788	3.81042	-	1800	159.004
1515	1083.51	57.7572	3.88041	-	1800	204.154
1557	1139.48	62.0016	4.26135	-	1800	326.076
1599	1202.28	69.9954	5.17921	-	1228.105	147.759
1641	1292.44	77.1963	4.68329	-	1800	62.1945
1683	1380.28	75.3405	5.64614	-	1800	63.7883



**Pebbling formulas, width 2 chain graphs, substitution neq 3  
shuffle, preprocessing, no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
27	0.083987	0.005999	0.005999	0.039993	0.004999	0.003999
51	0.877866	0.023996	0.015997	4.67929	0.012998	0.010998
75	3.35349	0.05999	0.038994	160.226	0.036994	0.037994
99	8.91864	0.124981	0.058991	780.517	0.054991	0.047992
123	15.6176	0.205968	0.099984	1800	0.099984	0.104984
147	26.16	0.292955	0.12598	1800	0.153976	0.116982
171	39.0511	0.435933	0.178972	1800	0.218966	0.168974
195	42.3156	0.687895	0.207968	-	0.217966	0.19297
219	62.6615	0.829873	0.276957	-	0.426935	0.220966
243	74.9566	1.00885	0.25896	-	0.555915	0.32695
267	104.728	1.38779	0.360945	-	0.631903	0.508922
291	135.836	1.72474	0.39294	-	0.815875	0.419936
315	193.258	2.02469	0.440932	-	1.12083	0.403938
339	194.243	2.30765	0.498924	-	1.91571	0.773882
363	265.91	2.48162	0.659899	-	2.6296	0.723889
387	284.625	3.07753	0.756884	-	2.51562	0.739887
411	346.021	3.87841	0.661899	-	2.34764	0.758884
435	443.095	4.36934	0.71889	-	2.42863	0.972852
459	451.701	4.79227	0.820875	-	3.89541	1.3368
483	481.147	5.50616	1.02884	-	5.78612	1.10883
507	607.945	6.00209	1.10183	-	7.19591	1.26481
531	646.566	6.63099	1.04184	-	8.17576	1.68374
555	730.43	7.81681	1.14383	-	5.8891	1.3218
579	791.156	7.92779	1.09683	-	8.64768	2.22766
603	903.493	8.30474	1.17482	-	10.0175	2.86156
627	1038.01	10.1505	1.22681	-	10.8164	2.50462
651	1158.47	12.2241	1.39279	-	11.6542	2.32965
675	1274.66	11.8502	1.86172	-	11.7662	2.74258
699	1351.03	12.6171	1.3268	-	12.0802	3.85641
723	1632.01	14.0079	1.47477	-	12.4241	3.18152
747	1638.305	16.4245	1.69974	-	19.621	2.55761
771	1727.62	14.7318	1.85672	-	15.6516	4.42733
795	1800	19.2351	1.65175	-	21.1248	2.59361
819	1800	20.058	2.07568	-	25.9381	4.01839
843	1800	19.638	2.02369	-	34.2878	4.30934
867	-	23.6844	1.9947	-	37.4313	4.41133
891	-	27.2159	2.53261	-	39.714	4.00439
915	-	25.7551	2.15567	-	46.4849	6.79797
939	-	24.8352	2.18667	-	41.0588	4.97624
963	-	25.2152	2.43663	-	58.6951	5.62315

**Pebbling formulas, width 2 chain graphs, substitution neq 3  
shuffle, preprocessing, clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
45	0.187971	0.018997	0.013997	0.951855	0.015997	0.012998
87	1.07784	0.080987	0.045993	1800	0.040993	0.035994
129	3.3015	0.182972	0.089986	1800	0.066989	0.100984
171	5.79612	0.370943	0.19297	1800	0.150977	0.157975
213	9.81351	0.603908	0.247962	-	0.537918	0.197969
255	15.4786	0.898863	0.361944	-	0.361944	0.277957
297	23.2755	1.25981	0.427934	-	1.9897	0.340948
339	32.869	1.74973	0.550916	-	1.89371	0.506922
381	40.9798	2.19367	0.552915	-	2.25966	1.2848
423	53.0259	2.73958	0.823874	-	4.54731	1.9367
465	66.7129	3.47747	0.866868	-	3.69144	0.674897
507	78.4441	4.43133	0.946856	-	6.94394	5.40618
549	101.744	5.39518	1.00285	-	13.147	2.89056
591	121.65	6.42402	1.25081	-	29.4815	3.19951
633	132.889	7.19491	1.23781	-	19.96	11.0863
675	161.398	8.76667	1.45878	-	47.8627	7.8868
717	190.7	8.92464	1.3198	-	98.608	16.3835
759	217.976	12.6061	1.51977	-	54.0648	16.2565
801	231.283	12.1602	1.9627	-	74.7796	41.6897
843	271.222	14.8977	1.9877	-	182.531	13.5999
885	310.49	16.9544	2.56561	-	116.414	12.995
927	329.791	18.2942	2.40863	-	215.6	11.4623
969	370.588	19.769	2.21066	-	296.03	79.3999
1011	428.143	22.7855	2.68559	-	293.447	58.3361
1053	462.982	24.7072	2.98355	-	315.376	16.0286
1095	496.973	26.593	2.76858	-	459.995	63.0744
1137	542.032	30.0324	3.24151	-	391.464	130.265
1179	590.189	31.6832	2.97855	-	568.918	95.8334
1221	635.422	36.2725	3.16452	-	653.508	154.562
1263	725.696	39.175	3.23451	-	743.406	100.08
1305	775.037	43.1224	3.51247	-	944.331	87.0568
1347	804.928	44.3003	4.07538	-	1543.11	135.859
1389	864.467	50.4963	3.76943	-	420.242	94.7266
1431	954.33	51.3632	3.9694	-	1800	62.1755
1473	1018.32	62.1196	4.11637	-	1251.38	174.417
1515	1068.05	61.4067	3.81242	-	1800	207.343
1557	1192.64	63.9753	4.38933	-	1800	201.532
1599	1244.69	69.5394	4.72228	-	1800	230.491
1641	1326.48	72.7429	4.82027	-	1800	344.009
1683	1435.49	88.0446	5.21321	-	1800	100.016

**Pebbling formulas, width 5 chain graphs, substitution neq 3**  
**no shuffle, no preprocessing, no clause removal**  
**CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
57	0.149977	0.018997	0.008998	0.51992	0.004999	0.004999
102	1.08583	0.067989	0.027995	33.2749	0.027995	0.016997
147	4.10338	0.145977	0.06399	658.356	0.076988	0.039993
192	6.83796	0.240963	0.096985	1800	0.093985	0.056991
237	12.83	0.377942	0.142978	1800	0.159975	0.075988
282	18.1582	0.506922	0.19597	1800	0.242963	0.165974
327	28.9936	0.713891	0.244962	1800	0.342947	0.146977
372	43.3634	0.951855	0.305953	-	0.443932	0.174973
417	45.3641	1.19282	0.381941	-	0.555915	0.216967
462	68.5666	1.38279	0.442932	-	0.604908	0.312952
507	85.9599	1.66975	0.51992	-	0.899863	0.231964
552	97.3372	2.05669	0.572912	-	1.07384	0.285956
597	121.667	2.42463	0.583911	-	1.42078	0.399939
642	139.841	2.73358	0.687895	-	1.71574	0.38894
687	187.394	3.20251	0.692894	-	1.80472	0.357945
732	241.87	3.70044	0.78788	-	2.14467	0.381941
777	223.604	4.16637	0.865868	-	2.02469	0.598908
822	264.048	4.52931	0.91486	-	2.30365	0.52392
867	325.049	5.2532	1.00885	-	3.02554	0.495924
912	354.878	5.64714	1.11683	-	3.17252	0.526919
957	394.762	6.18106	1.12483	-	3.68044	0.862868
1002	484.346	7.07992	1.12283	-	4.53931	0.628904
1047	480.868	7.64784	1.27481	-	5.42417	0.658899
1092	563.324	8.42272	1.37079	-	5.01324	0.833873
1137	628.797	9.08462	1.38279	-	7.46486	1.09683
1182	690.05	9.71752	1.44278	-	6.66799	1.11783
1227	761.125	11.0853	1.45178	-	7.60784	1.05184
1272	798.431	11.6192	1.49977	-	8.92264	0.997848
1317	875.042	12.3501	1.68674	-	5.9051	1.08783
1362	1075.64	13.014	1.69774	-	9.41957	1.21281
1407	1078.7	14.6628	1.91571	-	10.7554	1.01784
1452	1151.27	15.3177	1.85072	-	10.5954	1.3218
1497	1257.53	16.2745	1.90371	-	11.1593	1.27381
1542	1400.52	16.6445	2.03469	-	11.6872	1.19282
1587	1571.85	18.3852	2.08068	-	13.455	1.3068
1632	1519.24	20.1139	2.05469	-	15.5936	1.22281
1677	1763.87	20.6839	2.31565	-	16.1046	1.05984
1722	1623.76	22.7375	2.29965	-	17.7603	1.11983
1767	1800	24.3663	2.42363	-	18.2982	1.3318
1812	1800	24.8342	2.26465	-	19.3131	1.64375

**Pebbling formulas, width 5 chain graphs, substitution neq 3  
no shuffle, no preprocessing, clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
102	0.425935	0.055991	0.025996	132.057	0.024996	0.015997
192	3.16152	0.216967	0.095985	1800	0.115982	0.065989
282	8.71667	0.474927	0.189971	1800	0.240963	0.089986
372	16.1136	0.859869	0.290955	1800	0.300954	0.32495
462	24.8292	1.3328	0.430934	-	0.537918	0.226965
552	38.5011	1.93071	0.568913	-	2.35464	0.266959
642	52.709	2.6226	0.681896	-	1.48377	0.362944
732	72.067	3.59445	0.762884	-	2.35364	0.841872
822	96.5663	4.41733	0.931858	-	1.91171	0.420936
912	123.302	5.56415	1.08184	-	3.60345	0.606907
1002	154.526	6.90495	1.16282	-	5.16521	0.958854
1092	189.264	8.50071	1.3378	-	5.2352	0.949855
1182	212.931	9.98048	1.44978	-	20.6269	1.70974
1272	259.204	11.5222	1.49977	-	23.4374	0.989849
1362	305.54	13.299	1.79573	-	13.9819	1.06884
1452	353.476	15.1627	1.85072	-	51.1212	1.20282
1542	425.934	16.0906	2.06569	-	36.1365	0.978851
1632	465.361	19.3261	2.10668	-	87.7387	1.17082
1722	523.264	22.1016	2.31565	-	94.1457	1.24881
1812	605.976	24.1623	2.26965	-	79.111	1.49477
1902	678.454	26.8529	2.6176	-	90.2273	1.51577
1992	779.867	30.6983	2.71859	-	102.05	2.26365
2082	845.786	32.4331	2.79058	-	101.109	2.44763
2172	969.167	37.1184	2.87256	-	178.676	2.30065
2262	1078.61	41.0288	3.12352	-	110.556	2.46563
2352	1230.58	45.0751	3.20351	-	406.212	15.8736
2442	1389.71	52.2411	3.47047	-	122.663	2.82557
2532	1494.69	55.0556	3.56246	-	337.109	2.42963
2622	1675.24	57.9932	3.72543	-	126.746	2.53761
2712	1800	65.3841	3.87341	-	347.698	2.6616
2802	1800	68.2816	4.00639	-	367.485	2.82257
2892	1800	81.4546	4.10938	-	510.749	4.12937
2982	1800	84.1592	4.27735	-	399.534	17.4064
3072	-	89.5794	4.33434	-	581.461	17.1354
3162	-	101.241	4.66729	-	425.233	9.1936
3252	-	107.716	4.81327	-	619.845	8.5637
3342	-	121.13	4.92725	-	899.65	3.20251
3432	-	122.775	4.99124	-	333.903	3.81742
3522	-	128.203	5.14622	-	1499.48	3.60245
3612	-	146.502	5.29519	-	737.641	3.76043

**Pebbling formulas, width 5 chain graphs, substitution neq 3  
shuffle, no preprocessing, no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
57	0.12998	0.019996	0.008998	0.353946	0.007998	0.005999
102	1.12283	0.070989	0.029995	55.5816	0.028995	0.020996
147	3.77343	0.142978	0.057991	822.64	0.075988	0.035994
192	7.40587	0.252961	0.108983	1800	0.099984	0.05999
237	15.5206	0.379942	0.136979	1800	0.185971	0.083987
282	19.724	0.552915	0.204968	1800	0.250961	0.163975
327	30.7413	0.731888	0.246962	-	0.279957	0.172973
372	36.9294	0.929858	0.331949	-	0.610907	0.163975
417	49.7474	1.14882	0.330949	-	0.578911	0.201969
462	64.1972	1.46978	0.431934	-	0.612906	0.226965
507	72.7709	1.75573	0.507922	-	0.686895	0.312952
552	97.2162	2.14567	0.58791	-	0.976851	0.274958
597	119.226	2.44363	0.630904	-	1.05284	0.347947
642	136.749	2.90556	0.680896	-	1.64875	0.39394
687	180.858	3.2925	0.736887	-	1.48477	0.52292
732	204.284	3.71743	0.843871	-	2.06968	0.509922
777	230.233	4.44032	0.937857	-	3.10053	0.504923
822	268.372	4.74128	0.963853	-	3.01054	0.564914
867	350.546	5.42018	1.04484	-	3.9174	0.631903
912	397.46	6.08507	1.12283	-	3.2995	0.642902
957	403.155	6.563	1.11283	-	4.45332	0.631903
1002	461.502	7.2129	1.17782	-	4.24036	1.08283
1047	538.459	7.96479	1.27381	-	6.72398	1.04884
1092	610.106	8.94664	1.44278	-	5.76312	0.904862
1137	661.962	9.77151	1.46278	-	5.96509	0.958854
1182	764.967	10.2954	1.61475	-	6.18906	1.02384
1227	819.577	11.5003	1.58276	-	7.78382	1.03184
1272	895.804	12.3131	1.69674	-	7.81081	1.13483
1317	972.975	12.921	1.63575	-	9.99248	1.08783
1362	1057.38	14.6878	1.71974	-	9.64853	1.2998
1407	1149.94	15.5726	1.86272	-	9.98648	1.22781
1452	1369.03	17.1464	1.93971	-	12.2021	1.12383
1497	1368.65	18.0823	2.05669	-	10.6304	1.17582
1542	1509.29	18.5962	2.03969	-	12.7111	1.23981
1587	1551.36	19.969	2.20066	-	14.9897	1.49777
1632	1597.335	21.4437	2.22066	-	14.9147	1.42678
1677	1800	23.8604	2.29565	-	18.3262	1.47978
1722	1800	25.2302	2.32165	-	17.0944	1.70674
1767	1800	26.031	2.42063	-	23.0735	1.65275
1812	1800	26.418	2.42563	-	19.789	1.42278

**Pebbling formulas, width 5 chain graphs, substitution neq 3  
shuffle, no preprocessing, clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
102	0.462929	0.066989	0.028995	145.62	0.026995	0.021996
192	2.81757	0.225965	0.100984	1800	0.098984	0.06399
282	7.84481	0.511922	0.200969	1800	0.204968	0.141978
372	14.1858	0.859869	0.310952	1800	0.345947	0.350946
462	24.4563	1.36079	0.394939	-	0.509922	0.238963
552	37.0054	1.93371	0.568913	-	0.965853	0.288956
642	53.4969	2.81657	0.712891	-	1.3348	0.433934
732	74.4217	3.61445	0.85087	-	7.50286	0.809876
822	97.8611	4.65229	0.977851	-	2.11268	0.569913
912	124.691	5.9471	1.16182	-	9.67253	0.615906
1002	156.185	7.16491	1.18082	-	5.58415	0.751885
1092	190.689	8.79266	1.38579	-	5.47617	0.994848
1182	229.397	10.2794	1.63975	-	29.6585	3.18751
1272	259.042	12.1811	1.64875	-	8.26374	1.14083
1362	319.383	14.2828	1.71774	-	9.1906	2.45063
1452	372.098	17.0674	1.90871	-	34.6087	1.16082
1542	415.987	19.2451	2.04369	-	38.5141	1.28181
1632	484.585	20.4189	2.25266	-	91.1801	1.54776
1722	555.739	24.1093	2.30165	-	40.1909	1.59176
1812	626.444	25.7251	2.34964	-	140.519	1.70074
1902	727.281	29.0786	2.6486	-	92.7389	4.02539
1992	816.033	34.1758	2.68059	-	94.2477	2.44563
2082	921.739	36.8144	3.15552	-	95.1255	1.92671
2172	1000.09	41.6677	3.24351	-	90.0023	2.67359
2262	1166.42	47.0668	3.2615	-	102.552	2.41063
2352	1283.1	49.1415	3.38348	-	405.761	22.0876
2442	1444.85	54.7977	3.69144	-	120.707	2.80557
2532	1566.55	60.2518	3.82442	-	350.035	2.22566
2622	1750.14	66.2009	3.9354	-	253.414	3.13752
2712	1800	79.8049	4.07838	-	350.427	2.87556
2802	1800	81.4376	4.21936	-	252.951	3.16052
2892	1800	91.6961	4.30335	-	540.887	3.42348
2982	-	99.6259	4.5743	-	416.362	3.86641
3072	-	106.76	4.71628	-	586.449	6.20006
3162	-	110.076	4.84826	-	444.714	3.79442
3252	-	122.105	4.95025	-	642.459	3.39348
3342	-	129.052	5.15822	-	934.254	2.75858
3432	-	143.317	5.29719	-	960.491	3.69844
3522	-	153.781	5.84211	-	1511.59	3.46647
3612	-	167.283	5.71813	-	803.5775	3.71544

**Pebbling formulas, width 5 chain graphs, substitution neq 3  
no shuffle, preprocessing, no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
57	0.101984	0.025996	0.011998	0.383941	0.010998	0.008998
102	1.24081	0.069989	0.038994	46.251	0.041993	0.029995
147	4.55731	0.142978	0.071989	395.016	0.06399	0.049992
192	6.76797	0.245962	0.110983	1800	0.106983	0.071989
237	12.3741	0.384941	0.167974	1800	0.167974	0.121981
282	18.3732	0.547916	0.243962	1800	0.25696	0.122981
327	32.3681	0.744886	0.275958	1800	0.304953	0.225965
372	41.0568	0.904862	0.356945	-	0.538918	0.185971
417	47.6758	1.15482	0.382941	-	0.594909	0.241963
462	65.0981	1.43278	0.464929	-	0.752885	0.309952
507	79.7789	1.72674	0.52392	-	0.98285	0.39094
552	90.0773	2.06369	0.632903	-	1.08483	0.252961
597	108.054	2.34464	0.677896	-	1.2928	0.347947
642	131.783	2.81357	0.732888	-	1.85472	0.500923
687	153.162	3.23851	0.762884	-	1.78773	0.564914
732	172.596	3.67744	0.847871	-	2.09568	0.577912
777	248.887	4.08438	0.978851	-	2.31765	0.492925
822	250.003	4.73928	0.954854	-	2.74958	0.611906
867	291.708	5.12722	1.01885	-	2.77258	0.664898
912	355.179	5.77212	1.21081	-	4.22336	0.665898
957	449.037	6.45602	1.18282	-	3.61845	0.710891
1002	465.189	7.02993	1.26881	-	3.85841	0.581911
1047	562.18	7.44987	1.34679	-	4.98624	1.08683
1092	553.664	8.30474	1.34679	-	5.66914	1.02784
1137	618.109	9.54555	1.42978	-	7.07892	1.10283
1182	671.883	9.70053	1.53877	-	6.16506	1.01585
1227	695.622	10.5924	1.63075	-	6.95194	1.10783
1272	806.517	11.6172	1.60875	-	8.35473	1.25681
1317	897.768	12.6251	1.68874	-	9.17561	1.23081
1362	988.825	13.297	1.90471	-	9.79551	1.22981
1407	1050.6	14.1209	1.9437	-	10.4264	1.13083
1452	1130.32	15.8366	1.90471	-	10.8084	1.48277
1497	1222.93	16.5175	2.01769	-	12.7811	1.12683
1542	1365.66	18.2872	2.17067	-	12.5251	1.26681
1587	1388.2	18.6442	2.12168	-	12.895	1.11483
1632	1602.77	19.783	2.27465	-	17.2214	1.24781
1677	1668.28	20.7039	2.31765	-	13.194	1.44978
1722	1800	23.1155	2.43663	-	17.5403	1.68274
1767	1800	24.2133	2.45363	-	19.1761	1.61375
1812	1800	25.4401	2.53261	-	21.6397	1.56076

**Pebbling formulas, width 5 chain graphs, substitution neq 3  
no shuffle, preprocessing, clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
102	0.479927	0.067989	0.038994	162.375	0.035994	0.032994
192	2.75558	0.229965	0.118981	1800	0.104984	0.075988
282	7.34288	0.493924	0.237963	1800	0.229965	0.102984
372	15.9336	0.856869	0.369943	1800	0.396939	0.185971
462	26.23	1.39379	0.473927	-	0.781881	0.244962
552	40.3809	1.93071	0.649901	-	1.14482	0.280957
642	54.5487	2.77158	0.738887	-	1.50977	0.478927
732	72.455	3.61645	0.836872	-	3.89641	1.36879
822	95.0635	4.5883	0.961853	-	3.9324	0.668898
912	118.713	5.79212	1.22981	-	3.60245	0.662899
1002	149.724	6.88395	1.25281	-	4.88926	0.648901
1092	178.847	8.37573	1.3438	-	5.58715	1.01885
1182	215.688	9.8585	1.58776	-	23.0275	3.09153
1272	261.321	11.1743	1.60576	-	24.6033	0.946856
1362	313.29	13.452	1.9457	-	28.4527	1.24681
1452	366.172	15.7956	1.89671	-	56.4124	1.22881
1542	416.876	18.3142	2.22266	-	37.4683	1.3168
1632	458.644	19.2861	2.32265	-	61.6476	1.41078
1722	514.347	22.0836	2.44463	-	66.2729	1.47578
1812	604.736	24.2983	2.54461	-	41.2537	2.90456
1902	706.096	28.4427	2.71259	-	90.0783	3.62945
1992	783.807	30.3014	2.74958	-	96.1994	2.68859
2082	857.689	33.4229	2.90756	-	94.0297	2.45063
2172	965.153	36.9274	3.10253	-	178.646	2.55661
2262	1070.54	40.0329	3.2635	-	110.635	8.28474
2352	1238.95	44.8162	3.37549	-	404.677	15.6876
2442	1327.26	53.0489	3.51446	-	115.59	2.95555
2532	1465.12	54.4157	3.67344	-	221.075	2.33465
2622	1628.95	60.6868	3.82942	-	233.687	2.70559
2712	1797.91	66.8948	4.15037	-	348.482	3.33249
2802	1800	71.5711	4.35134	-	346.521	3.18851
2892	1800	79.5759	4.45232	-	163.246	3.84841
2982	1800	90.0543	4.47132	-	385.826	17.2994
3072	-	97.6911	4.6033	-	573.496	8.40372
3162	-	107.119	4.95225	-	434.368	8.98563
3252	-	111.864	5.14122	-	620.212	8.88165
3342	-	116.042	5.12322	-	982.211	6.82296
3432	-	123.626	5.2682	-	950.749	3.89641
3522	-	141.307	5.50016	-	1465.2	4.12837
3612	-	145.683	5.9281	-	779.146	3.77443



**Pebbling formulas, width 5 chain graphs, substitution neq 3  
shuffle, preprocessing, no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
57	0.13098	0.024996	0.013997	0.434933	0.012998	0.011998
102	0.91486	0.074988	0.042993	44.2513	0.049992	0.022996
147	4.37434	0.160975	0.075988	645.5025	0.072988	0.042993
192	7.32888	0.263959	0.123981	1800	0.109983	0.097985
237	14.2548	0.386941	0.176973	1800	0.19297	0.106983
282	16.7984	0.541917	0.225965	1800	0.272958	0.108983
327	28.7366	0.701893	0.268959	1800	0.311952	0.170974
372	39.781	0.950855	0.32695	-	0.560914	0.285956
417	45.0052	1.15982	0.353946	-	0.634903	0.212967
462	67.4507	1.47677	0.478927	-	0.609907	0.295955
507	75.9235	1.76873	0.515921	-	0.642902	0.312952
552	94.6196	2.12968	0.59091	-	1.35879	0.365944
597	120.201	2.48362	0.703892	-	1.3378	0.498924
642	166.55	2.96455	0.737887	-	1.39279	0.291955
687	191.742	3.24851	0.78888	-	1.59976	0.620905
732	192.456	3.72643	0.950855	-	1.9797	0.645901
777	234.423	4.15737	0.972852	-	2.89756	0.673897
822	274.179	4.76427	1.08683	-	3.16052	0.681896
867	328.765	5.2872	1.13883	-	3.36649	0.6559
912	348.669	5.9021	1.20182	-	2.66459	0.608907
957	425.553	6.37403	1.2978	-	3.24751	0.737887
1002	459.942	7.17691	1.3178	-	4.22636	0.694894
1047	543.423	7.79181	1.48577	-	4.74428	0.737887
1092	581.338	8.78166	1.51877	-	4.85026	1.25381
1137	579.288	9.2246	1.50377	-	6.68798	0.743886
1182	722.972	10.1685	1.61175	-	6.48001	0.801878
1227	757.893	10.8763	1.61975	-	8.79166	1.26381
1272	898.437	11.6222	1.66075	-	8.50171	1.21981
1317	921.997	12.4411	1.84972	-	8.60869	1.37479
1362	1028.61	13.6029	2.03169	-	10.9343	1.13783
1407	1013.52	15.1837	1.93271	-	11.6662	1.25981
1452	1183.43	15.8436	2.12968	-	13.6599	1.38679
1497	1324.75	16.0926	2.16667	-	11.8522	1.54377
1542	1374.93	17.4613	2.27865	-	12.5331	1.83172
1587	1530.43	18.3822	2.29565	-	13.066	1.36179
1632	1520.27	19.733	2.33964	-	17.3114	1.59576
1677	1800	22.3106	2.47462	-	17.0694	1.50677
1722	1800	23.2925	2.44263	-	16.6365	1.91371
1767	1769.15	24.1923	2.69559	-	17.9073	1.55076
1812	1800	25.1772	2.71159	-	18.8051	1.77273

**Pebbling formulas, width 5 chain graphs, substitution neq 3  
shuffle, preprocessing, clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
102	0.448931	0.066989	0.043993	115.376	0.042993	0.028995
192	3.16652	0.242963	0.116982	1800	0.121981	0.077988
282	7.64184	0.509922	0.220966	1800	0.338948	0.117982
372	16.3355	0.908861	0.317951	1800	0.730888	0.254961
462	25.4261	1.39979	0.510922	-	0.58591	0.330949
552	37.1314	1.9897	0.614906	-	0.894863	0.354946
642	59.02	2.82657	0.763883	-	1.2998	0.466929
732	76.6244	3.66244	0.952855	-	4.03639	0.663899
822	97.8981	4.55231	1.06484	-	2.86556	0.657899
912	121.085	5.94909	1.19282	-	3.71143	0.781881
1002	154.579	7.2099	1.35779	-	4.52731	0.743886
1092	188.685	8.92864	1.50477	-	11.3893	1.06384
1182	221.113	10.3784	1.65975	-	21.7017	1.22581
1272	262.472	11.4073	1.75073	-	9.14361	1.2988
1362	308.007	13.8269	2.02469	-	80.4728	1.17482
1452	360.48	15.5356	2.10268	-	11.4413	1.38479
1542	423.552	18.1512	2.34764	-	40.5538	1.67175
1632	476.673	19.527	2.39164	-	36.8734	1.36379
1722	537.867	22.2576	2.51562	-	18.6152	1.69974
1812	634.389	24.5033	2.74858	-	71.5291	3.74843
1902	706.845	28.4207	2.91756	-	97.2872	1.75073
1992	806.586	32.5241	3.01254	-	27.7258	1.75873
2082	892.543	36.5264	3.23551	-	103.148	1.82572
2172	1031.74	38.8421	3.56046	-	187.674	2.86456
2262	1119.75	42.0596	3.42448	-	183.531	2.95055
2352	1267.51	47.2268	3.61145	-	407.616	16.3685
2442	1421.7	51.4022	3.81342	-	123.913	3.22851
2532	1541.37	58.2961	4.00139	-	555.244	3.2695
2622	1714.18	62.0606	4.08838	-	256.513	3.69544
2712	1800	63.6103	4.30234	-	359.834	3.45447
2802	1800	76.0654	4.52531	-	361.663	3.32949
2892	1800	80.4658	4.6203	-	537.12	4.29935
2982	-	92.4709	4.74428	-	395.575	19.724
3072	-	98.532	5.02623	-	601.748	10.5134
3162	-	103.261	5.2522	-	440.743	9.42857
3252	-	115.595	5.57915	-	619.865	10.0805
3342	-	116.365	5.58115	-	945.936	4.31834
3432	-	129.054	5.57215	-	957.581	4.22936
3522	-	153.592	5.96209	-	1522.1	4.22036
3612	-	149.607	5.96509	-	835.125	4.73328

# **Cartesian products of vanilla pebbling formulas**

**Cartesian, Gilbert-Tarjan graphs, no shuffle, no preprocessing  
no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
11	0.000999	0.0	0.0	0.0	0.000999	0.000999
21	0.001999	0.001999	0.002999	0.004999	0.001999	0.000999
41	0.009998	0.005999	0.008998	0.047992	0.005999	0.004999
44	0.010998	0.007998	0.008998	0.051992	0.007998	0.007998
76	0.075988	0.025996	0.035994	1.34979	0.057991	0.030995
79	0.076988	0.027995	0.040993	1.26381	0.068989	0.065989
135	0.408937	0.091986	0.131979	11.3763	0.199969	0.147977
138	0.396939	0.096985	0.131979	11.9682	0.272958	0.151976
152	0.560914	0.120981	0.156976	23.6054	0.468928	0.305953
155	0.621905	0.119981	0.155976	26.007	0.477927	0.431934
249	3.9434	0.429934	0.574912	334.7	2.14167	2.23166
252	3.69444	0.425935	0.614906	363.685	2.27065	1.61076
260	4.44232	0.476927	0.78888	375.827	2.66759	2.83957
263	4.39633	0.516921	0.658899	418.61	2.56061	1.62175
413	18.8741	1.77673	1.74274	1800	12.3901	5.63514
416	19.889	1.83372	2.04369	1800	13.6179	6.63999
424	21.2278	1.84672	1.9627	1800	13.313	12.2551
427	21.9367	1.9677	2.28565	-	13.6369	6.16706
477	33.7439	2.42363	2.71959	-	18.7472	10.4254
480	34.3478	2.6506	2.43363	-	19.563	13.096
488	36.1245	2.71659	2.6616	-	20.3709	12.8181
491	35.5956	2.6316	3.04054	-	23.1215	18.8331
745	247.067	9.64953	10.9003	-	93.4078	53.1589
748	243.252	9.73552	9.48656	-	91.835	57.2823
756	249.782	10.0795	10.3394	-	98.2601	62.5795
759	263.34	10.0015	8.79766	-	107.555	52.603
785	279.942	11.3543	11.8802	-	103.787	63.6343
788	290.064	11.2003	15.6036	-	109.199	71.8821
796	284.884	11.4483	16.8644	-	109.205	79.6679
799	295.978	11.6822	14.2688	-	111.496	61.5916
1181	1237.49	39.509	26.141	-	488.941	278.466
1184	1266.64	39.281	35.5746	-	473.303	258.863
1192	1295.12	39.61	27.6618	-	508.885	306.792
1195	1270.13	39.557	30.0464	-	470.522	249.867
1221	1376.17	41.6347	37.8272	-	548.582	268.798
1224	1388.86	44.0433	37.6133	-	528.581	257.634
1232	1399.19	42.9555	32.4671	-	533.378	247.953
1235	1414.73	43.5014	33.5579	-	538.929	258.427
1385	1800	56.2724	42.9455	-	775.251	360.955
1388	1800	57.2493	50.2894	-	733.213	359.518

**Cartesian, Gilbert-Tarjan graphs, no shuffle, no preprocessing  
clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
152	0.555915	0.118981	0.156976	14.1289	0.466929	0.306953
155	0.622905	0.116982	0.156976	15.0277	0.474927	0.429934
249	3.9374	0.427934	0.575912	195.568	2.13368	2.22266
252	3.69044	0.422935	0.609907	179.547	2.26865	1.60776
260	4.43033	0.471928	0.78588	211.495	2.68259	2.84357
263	4.39533	0.509922	0.6569	222.275	2.55561	1.62175
413	18.7971	1.77473	1.73774	1345.44	12.3811	5.62914
416	19.805	1.83972	2.03469	1382.73	13.6079	6.63899
424	21.1968	1.84572	1.9487	1453.66	13.274	12.2451
427	21.9437	1.9587	2.27665	1521.69	13.6639	6.16506
477	33.6089	2.41663	2.70759	1800	18.8171	10.4234
480	34.2308	2.6496	2.42163	1800	19.625	13.1
488	36.0065	2.69959	2.66759	1800	20.3789	12.8071
491	35.5346	2.6316	3.03054	-	23.1225	18.8121
745	246.162	9.62654	10.8663	-	93.4308	53.1199
748	243.54	9.71252	9.46956	-	91.7371	57.2543
756	247.675	10.0765	10.3384	-	98.1001	62.5645
759	262.138	9.92749	8.77567	-	107.5	52.589
785	278.359	11.3353	11.8522	-	103.781	63.6033
788	287.897	11.1763	15.6256	-	108.995	71.8501
796	282.851	11.4073	16.8384	-	109.292	79.6609
799	294.365	11.6902	14.2488	-	111.471	61.5586
1181	1226.63	39.489	26.053	-	487.743	278.797
1184	1263.62	39.0991	35.4436	-	472.463	259.108
1192	1284.7	39.496	27.6128	-	507.196	307.138
1195	1273.12	39.495	29.9364	-	469.855	250.173
1221	1377.44	41.5647	37.6663	-	546.709	269.074
1224	1385.79	43.9843	37.5123	-	527.269	257.766
1232	1390.43	42.9065	32.4391	-	531.767	248.199
1235	1403.21	43.3314	33.4609	-	538.139	258.618
1385	1800	56.0355	42.7955	-	773.355	361.027
1388	1800	57.1293	50.2564	-	731.71	359.66
1396	1800	60.1139	48.7326	-	799.724	446.193
1399	-	58.7951	64.4572	-	763.077	341.325
1425	-	61.3887	52.0431	-	861.776	462.94
1428	-	61.4657	63.6053	-	847.191	414.799
1436	-	61.7946	64.3142	-	841.572	612.132
1439	-	62.1206	98.622	-	833.922	432.62
2085	-	210.432	208.09	-	1800	937.09
2088	-	204.291	151.122	-	1800	1026.38

Cartesian, Gilbert-Tarjan graphs, shuffle, no preprocessing  
no clause removal  
CPU time expressed in seconds

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
11	0.0	0.000999	0.000999	0.000999	0.0	0.000999
21	0.001999	0.001999	0.000999	0.002999	0.000999	0.000999
41	0.009998	0.006998	0.006998	0.054991	0.005999	0.004999
44	0.010998	0.006998	0.008998	0.051992	0.007998	0.006998
76	0.080987	0.026995	0.041993	1.00185	0.057991	0.037994
79	0.084987	0.030995	0.044993	1.39879	0.052991	0.043993
135	0.429934	0.096985	0.124981	13.134	0.268959	0.153976
138	0.426935	0.100984	0.116982	11.2293	0.233964	0.184971
152	0.582911	0.122981	0.152976	22.9535	0.466929	0.228965
155	0.669898	0.148977	0.174973	26.105	0.52092	0.386941
249	4.34534	0.479927	0.696894	367.992	2.38764	2.11768
252	4.33734	0.481926	0.614906	360.197	2.56261	2.52062
260	4.68129	0.546916	0.777881	392.624	2.81157	1.88371
263	4.81427	0.592909	0.841872	442.624	2.6286	2.48562
413	22.1196	2.01569	1.9737	1800	16.1225	8.92164
416	23.3405	2.24866	2.17667	1800	14.8307	9.48756
424	24.7162	2.36164	2.00669	1800	16.4035	9.96349
427	25.6451	2.37964	1.9777	-	16.4645	9.8555
477	38.6611	3.13852	2.49162	-	27.3638	14.4158
480	39.457	3.19951	2.83857	-	29.2925	13.4969
488	43.1824	3.2705	3.01254	-	26.0	17.0834
491	43.9863	3.42948	3.65944	-	30.6033	17.7193
745	289.469	13.6659	9.63654	-	116.889	68.3486
748	287.237	13.115	13.326	-	119.473	59.422
756	301.443	13.9669	10.4814	-	123.966	60.6238
759	304.608	14.6598	13.9839	-	124.98	60.6728
785	339.18	15.4846	14.8697	-	127.239	91.5581
788	335.729	15.6856	15.7686	-	129.298	65.586
796	344.585	16.2145	24.2043	-	135.523	64.0333
799	354.66	16.9644	15.8816	-	135.404	77.7672
1181	1521.07	52.821	37.5423	-	626.945	275.695
1184	1472.68	52.9689	35.1697	-	574.82	256.31
1192	1525.69	52.677	38.9721	-	605.069	321.002
1195	1468.94	54.4467	38.7261	-	624.314	245.633
1221	1610.21	54.9127	40.2959	-	667.798	331.363
1224	1585.26	55.2076	33.3199	-	686.764	286.242
1232	1668.3	57.5962	41.0228	-	708.371	271.75
1235	1643.93	58.2381	43.6824	-	694.02	319.769
1385	1800	79.9708	89.0605	-	949.179	477.354
1388	1800	78.1151	48.2737	-	896.842	358.691

**Cartesian, Gilbert-Tarjan graphs, shuffle, no preprocessing  
 clause removal  
 CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
152	0.580911	0.124981	0.150977	14.5548	0.469928	0.231964
155	0.669898	0.148977	0.175973	14.8927	0.515921	0.39094
249	4.33534	0.487925	0.606894	179.079	2.39864	2.11768
252	4.33934	0.482926	0.612906	187.025	2.56061	2.51462
260	4.66929	0.547916	0.769882	212.876	2.78758	1.88771
263	4.82727	0.59191	0.839872	226.267	2.6236	2.49862
413	22.1566	2.00069	1.9747	1382.19	16.1615	8.90664
416	23.2535	2.24366	2.17967	1424.03	14.7268	9.47056
424	24.7612	2.35464	2.00069	1472.17	16.2985	9.96049
427	25.6871	2.39264	1.9667	1582.035	16.4825	9.8415
477	38.4901	3.13552	2.49562	1800	27.1459	14.3798
480	39.438	3.19351	2.83757	1800	29.3025	13.461
488	43.1734	3.2625	3.01954	1800	25.9691	17.0594
491	43.9303	3.44548	3.66144	-	30.5923	17.6993
745	288.863	13.6199	9.64753	-	116.666	68.1506
748	287.362	13.106	13.332	-	118.82	59.142
756	301.294	13.9729	10.4984	-	123.68	60.5268
759	304.393	14.6598	13.9469	-	124.526	60.5298
785	338.572	15.3617	14.8567	-	126.559	91.3521
788	336.131	15.6186	15.7666	-	128.846	65.473
796	344.573	16.1515	24.2293	-	134.878	63.9373
799	355.059	16.8734	15.9126	-	134.778	77.5322
1181	1529.18	52.848	37.6153	-	624.018	274.735
1184	1472.48	52.559	35.1567	-	572.926	255.474
1192	1526.74	52.601	38.9871	-	602.544	319.842
1195	1468.68	54.0538	38.8411	-	623.813	244.678
1221	1612.54	54.8267	40.2959	-	666.574	330.482
1224	1591.22	54.8307	33.3689	-	681.874	285.227
1232	1668.73	57.5223	41.0458	-	706.051	271.233
1235	1646.13	57.9132	43.7803	-	690.606	318.297
1385	1800	79.6239	89.2604	-	946.101	476.004
1388	1800	77.7012	48.2847	-	895.79	357.262
1396	1800	79.6279	58.1042	-	1006.89	670.902
1399	-	78.3241	60.0489	-	1014.44	387.087
1425	-	82.8924	85.617	-	999.288	565.248
1428	-	86.1679	66.9678	-	944.66	525.929
1436	-	88.2366	70.3523	-	1015.67	591.74
1439	-	88.2816	83.6793	-	999.93	468.059
2085	-	273.745	202.291	-	1800	1206.8
2088	-	279.983	184.053	-	1800	1471.52

Cartesian, Gilbert-Tarjan graphs, no shuffle, preprocessing  
no clause removal  
CPU time expressed in seconds

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
11	0.0	0.000999	0.0	0.0	0.0	0.0
21	0.000999	0.001999	0.001999	0.001999	0.001999	0.002999
41	0.007998	0.007998	0.007998	0.007998	0.006998	0.007998
44	0.008998	0.009998	0.008998	0.008998	0.008998	0.009998
76	0.040993	0.040993	0.040993	0.041993	0.040993	0.041993
79	0.044993	0.045993	0.044993	0.045993	0.045993	0.045993
135	0.234964	0.235964	0.234964	0.235964	0.237963	0.235964
138	0.247962	0.246962	0.246962	0.246962	0.247962	0.248962
152	0.320951	0.320951	0.321951	0.32395	0.32395	0.32395
155	0.338948	0.338948	0.335948	0.339948	0.338948	0.340948
249	1.3368	1.34279	1.3378	1.3338	1.3338	1.3368
252	1.36479	1.37179	1.36679	1.36779	1.37279	1.37279
260	1.49177	1.49477	1.49577	1.48877	1.49577	1.49677
263	1.54277	1.54177	1.54076	1.54076	1.53677	1.54076
413	8.42372	8.44072	8.37873	8.40772	8.41872	8.44372
416	7.2599	7.2609	7.2619	7.2509	7.2589	7.2549
424	9.1916	9.16861	9.16161	9.1826	9.17361	9.2056
427	8.04378	8.04178	7.99978	8.02678	8.01878	8.02878
477	12.0902	12.0742	12.0712	12.0792	12.0752	12.0712
480	12.5901	12.5661	12.5361	12.5701	12.5711	12.5751
488	13.4789	13.461	13.5049	13.4929	13.4849	13.463
491	13.476	13.469	13.442	13.462	13.4859	13.4809
745	46.8389	46.8009	46.7299	46.6619	46.7739	46.7069
748	46.166	46.168	46.135	46.073	46.163	46.096
756	49.8984	49.9284	49.9684	49.8304	49.8704	49.9014
759	48.7666	48.8116	48.6856	48.6996	48.7696	48.7556
785	51.8391	51.7791	51.7331	51.7171	51.7391	51.7901
788	52.507	52.48	52.396	52.447	52.457	52.482
796	56.0375	55.9895	55.9275	55.9325	55.9745	56.0565
799	54.1748	54.2388	54.2168	54.0368	54.2518	54.2098
1181	261.75	261.779	261.433	261.693	261.918	262.224
1184	256.949	256.892	256.491	256.504	256.896	256.744
1192	297.957	298.008	297.68	297.095	298.206	298.006
1195	267.129	266.201	265.475	265.871	265.885	265.751
1221	282.318	282.42	280.906	281.109	281.682	281.802
1224	283.518	283.286	282.999	283.265	283.336	283.948
1232	310.594	309.974	309.299	309.93	309.851	309.949
1235	294.883	294.731	294.36	294.531	294.808	294.959
1385	421.954	421.522	420.326	419.775	419.912	421.209
1388	414.739	414.318	412.926	415.027	413.507	414.164



**Cartesian, Gilbert-Tarjan graphs, no shuffle, preprocessing  
clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
152	0.318951	0.320951	0.321951	0.32295	0.319951	0.320951
155	0.338948	0.337948	0.337948	0.337948	0.337948	0.338948
249	1.3368	1.3338	1.3318	1.3408	1.3348	1.3308
252	1.36879	1.37179	1.37079	1.36579	1.36279	1.36679
260	1.49677	1.48977	1.49977	1.49477	1.48977	1.49877
263	1.54177	1.54177	1.54676	1.53977	1.53677	1.54576
413	8.44172	8.42972	8.40072	8.43172	8.40772	8.40572
416	7.2569	7.2509	7.2519	7.2609	7.2409	7.2209
424	9.1786	9.17061	9.1836	9.2176	9.17361	9.1846
427	8.04478	7.98879	8.01978	8.05678	8.03078	8.06377
477	12.0732	12.0682	12.0872	12.1052	12.0762	12.1052
480	12.5871	12.5751	12.5661	12.5791	12.5821	12.5691
488	13.48	13.5289	13.5079	13.5259	13.4869	13.5249
491	13.4929	13.466	13.458	13.467	13.5069	13.5029
745	46.8089	46.8359	46.7189	46.8369	46.8509	46.8149
748	46.201	46.178	46.163	46.259	46.219	46.185
756	49.9524	49.8624	49.8414	50.0194	49.9354	49.9084
759	48.7496	48.7476	48.7446	48.8476	48.7846	48.7606
785	51.8631	51.8361	51.8261	51.7791	51.7121	51.7451
788	52.439	52.46	52.491	52.561	52.518	52.554
796	56.0675	56.0405	55.9675	56.1055	56.0615	56.0475
799	54.2168	54.1918	54.2058	54.2538	54.2478	54.2967
1181	262.066	262.725	261.779	261.744	262.412	261.893
1184	257.342	256.692	256.16	256.576	256.965	256.717
1192	297.685	298.078	297.921	297.413	299.558	298.087
1195	266.038	265.946	265.596	266.546	265.915	265.937
1221	281.883	281.646	281.499	282.059	282.135	281.89
1224	283.459	283.194	283.262	283.219	283.337	283.887
1232	309.668	309.791	309.473	309.999	310.095	309.812
1235	294.511	295.408	294.623	294.994	294.243	295.421
1385	420.217	421.187	420.228	420.537	419.776	420.393
1388	413.563	414.521	413.45	413.229	413.757	414.627
1396	447.588	448.733	447.541	446.836	446.956	448.077
1399	427.685	427.947	427.22	427.966	426.685	428.807
1425	439.671	440.259	438.553	438.708	438.943	440.05
1428	444.434	445.284	443.74	443.525	443.918	445.473
1436	482.598	482.98	481.58	482.343	482.514	482.964
1439	462.497	462.285	460.215	459.642	461.706	461.044
2085	1231.24	1234.29	1232.5	1229.64	1233.6	1233.28
2088	1220.45	1222.61	1221.19	1217.55	1222.81	1224.57

**Cartesian, Gilbert-Tarjan graphs, shuffle, preprocessing  
no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
11	0.000999	0.0	0.001999	0.0	0.0	0.0
21	0.001999	0.001999	0.001999	0.001999	0.001999	0.001999
41	0.009998	0.009998	0.010998	0.010998	0.009998	0.010998
44	0.012998	0.012998	0.011998	0.012998	0.012998	0.012998
76	0.06399	0.06299	0.06199	0.06399	0.06399	0.06399
79	0.068989	0.069989	0.068989	0.068989	0.069989	0.068989
135	0.367944	0.368943	0.365944	0.368943	0.369943	0.366944
138	0.394939	0.394939	0.39394	0.39294	0.39394	0.394939
152	0.533918	0.535918	0.534918	0.533918	0.535918	0.535918
155	0.574912	0.575912	0.575912	0.577912	0.576912	0.576912
249	2.70957	2.81757	2.81357	2.80457	2.81457	2.80857
252	2.80856	2.92256	2.90756	2.90856	2.90456	2.90956
260	3.22451	3.21451	3.21651	3.22751	3.22551	3.20851
263	3.36749	3.38449	3.37649	3.36549	3.39248	3.37449
413	18.6582	18.6792	18.7621	18.8271	18.6872	18.8131
416	19.2161	19.3201	19.1521	19.2021	19.2031	19.463
424	20.7858	20.7748	20.7109	20.7169	20.7248	21.0348
427	21.3148	21.3398	21.2498	21.2518	21.2948	21.5257
477	34.0118	34.2098	34.0028	33.8978	34.0118	34.2338
480	34.8287	34.9487	34.7167	34.6917	34.7727	35.0607
488	37.8292	37.9812	37.7193	37.7873	37.7483	38.0032
491	38.8911	39.189	39.0131	38.8651	38.8501	39.0911
745	194.303	194.28	193.013	192.854	193.074	193.885
748	197.694	197.752	197.166	197.344	197.41	197.284
756	205.281	205.346	204.663	205.159	205.26	204.993
759	207.607	207.847	207.058	207.377	207.915	207.429
785	235.587	235.928	235.213	235.644	236.37	236.137
788	239.139	238.949	237.564	239.014	238.998	238.99
796	247.467	248.015	246.655	247.651	246.294	247.153
799	250.439	250.344	249.339	249.835	248.975	250.023
1181	896.926	896.5	894.158	895.989	891.659	894.734
1184	905.298	903.935	903.351	904.871	899.348	903.445
1192	929.094	928.326	927.031	928.969	924.346	926.223
1195	936.281	934.974	934.419	935.682	929.394	932.672
1221	1006.96	1005.67	1004.12	1006.04	1000.2	1003.13
1224	1015.51	1014.34	1014.63	1016.23	1011.38	1014.21
1232	1035.82	1033.74	1034.18	1031.69	1030.0	1032.48
1235	1048.0	1047.81	1045.33	1038.61	1041.07	1044.73
1385	1559.61	1558.3	1555.5	1552.21	1555.27	1559.98
1388	1566.7	1566.3	1564.38	1555.63	1564.19	1561.02

**Cartesian, Gilbert-Tarjan graphs, shuffle, preprocessing  
clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
152	0.536918	0.536918	0.535918	0.537918	0.538918	0.534918
155	0.576912	0.576912	0.577912	0.574912	0.576912	0.574912
249	2.81457	2.81657	2.81457	2.80757	2.81357	2.82457
252	2.90656	2.91456	2.89656	2.89256	2.89356	2.90856
260	3.22451	3.22251	3.21751	3.21551	3.22751	3.22051
263	3.36049	3.37949	3.38149	3.37649	3.37449	3.38348
413	18.8481	18.6932	18.5882	18.7711	18.7921	18.8781
416	19.3051	19.1401	19.1191	19.3851	19.416	19.3181
424	20.8678	20.7388	20.7328	20.8298	20.8968	20.8848
427	21.4417	21.2878	21.2218	21.3388	21.4367	21.4927
477	34.2748	33.9758	33.8858	34.0508	34.0288	34.1078
480	35.0027	34.7447	34.7177	34.9187	34.8387	34.8887
488	38.0352	37.7673	37.7213	38.0192	38.0002	38.1632
491	38.9651	38.8541	38.8061	38.8241	39.0561	38.9891
745	194.6	193.222	192.428	194.113	194.752	194.369
748	198.065	196.472	195.609	197.395	197.629	198.138
756	205.246	204.368	203.422	205.12	204.985	205.613
759	207.99	206.568	205.609	207.163	207.655	207.965
785	236.723	234.914	233.788	235.916	236.38	236.441
788	239.445	237.525	236.765	238.694	239.391	239.353
796	248.367	246.317	245.026	247.327	247.636	248.325
799	250.892	248.728	247.856	250.224	250.331	250.527
1181	897.052	892.59	888.689	896.201	898.354	897.829
1184	906.616	899.036	896.326	904.642	904.855	906.52
1192	928.025	923.219	920.22	927.996	928.819	930.873
1195	936.161	930.379	928.042	934.992	935.629	937.852
1221	1006.12	1000.8	1003.28	1005.9	1008.0	1008.16
1224	1017.56	1011.32	1007.42	1016.97	1015.86	1018.76
1232	1035.35	1029.22	1031.49	1034.48	1032.38	1037.45
1235	1048.19	1040.94	1038.94	1046.52	1044.36	1049.79
1385	1559.94	1549.0	1545.51	1556.61	1557.99	1559.67
1388	1567.69	1557.53	1552.09	1564.99	1562.22	1567.91
1396	1612.67	1599.9	1596.2	1606.28	1606.47	1610.74
1399	1624.17	1612.97	1608.48	1620.33	1620.58	1623.71
1425	1732.68	1722.7	1717.62	1729.4	1735.43	1735.35
1428	1745.87	1732.95	1727.75	1739.89	1746.51	1745.0
1436	1800	1790.45	1785.44	1796.84	1793.94	1800
1439	1800	1800	1795.81	1800	1800	1800
2085	1800	1800	1800	1800	1800	1800
2088	-	1800	1800	1800	1800	-

Cartesian, pyramid graphs, no shuffle, no preprocessing  
no clause removal  
CPU time expressed in seconds

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
10	0.0	0.000999	0.000999	0.000999	0.000999	0.000999
21	0.001999	0.000999	0.000999	0.001999	0.000999	0.000999
36	0.002999	0.003999	0.004999	0.011998	0.004999	0.004999
55	0.009998	0.008998	0.008998	0.042993	0.009998	0.008998
78	0.026995	0.019996	0.025996	0.154976	0.027995	0.023996
105	0.05999	0.036994	0.047992	0.569913	0.078987	0.065989
136	0.12998	0.072988	0.076988	1.47778	0.199969	0.123981
171	0.255961	0.12798	0.147977	4.27035	0.540917	0.25996
210	0.499924	0.19097	0.252961	9.92649	0.817875	0.530919
253	0.898863	0.320951	0.418936	20.5949	1.84472	1.18982
300	1.54976	0.512922	0.641902	39.612	2.74058	1.84272
351	2.59461	0.780881	0.890864	88.9785	4.88526	4.05638
406	4.19736	1.07684	1.41379	162.983	8.82466	4.40733
465	6.88295	1.49377	1.9807	309.489	13.4959	6.80597
528	10.8094	2.35464	2.77858	480.997	18.1462	8.21775
595	16.9774	3.22051	3.42248	863.35	28.9316	11.7992
666	26.471	4.35834	5.15122	1347.23	48.1947	19.526
741	39.489	5.9431	6.45402	1800	63.6913	27.8028
820	56.3034	8.26074	7.99378	1800	97.3582	36.0905
903	80.1048	10.0945	11.5023	1800	134.691	40.7408
990	110.887	13.046	14.8967	-	184.15	59.151
1081	148.197	19.1861	18.4702	-	236.705	88.4955
1176	198.964	24.1143	21.9957	-	287.891	85.336
1275	266.021	29.7115	28.9746	-	400.529	154.44
1378	340.564	37.7463	34.3358	-	515.944	144.465
1485	435.417	43.9453	40.4638	-	602.723	271.577
1596	539.085	57.4253	47.7657	-	837.879	338.52
1711	696.871	63.5303	51.7001	-	945.857	455.445
1830	870.062	85.2	76.9233	-	1198.88	529.267
1953	1079.47	100.514	78.5301	-	1470.29	546.819
2080	1341.4	121.365	106.678	-	1800	582.915
2211	1648.01	139.034	113.501	-	1800	736.187
2346	1800	171.395	122.389	-	1800	1090.91
2485	1800	215.395	159.502	-	1800	1208.28
2628	1800	227.023	195.221	-	-	1800
2775	-	283.285	202.603	-	-	1800
2926	-	325.401	250.826	-	-	1800
3081	-	360.383	296.338	-	-	-
3240	-	451.541	292.752	-	-	-
3403	-	471.862	342.352	-	-	-

**Cartesian, pyramid graphs, no shuffle, no preprocessing  
clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
10	0.000999	0.0	0.0	0.0	0.0	0.0
21	0.001999	0.001999	0.000999	0.002999	0.000999	0.001999
36	0.002999	0.003999	0.003999	0.011998	0.004999	0.004999
55	0.009998	0.008998	0.008998	0.047992	0.008998	0.008998
78	0.025996	0.018997	0.025996	0.164974	0.029995	0.024996
105	0.057991	0.036994	0.047992	0.503923	0.079987	0.065989
136	0.12998	0.074988	0.077988	1.3138	0.200969	0.121981
171	0.254961	0.122981	0.149977	3.67344	0.545917	0.25996
210	0.497924	0.19197	0.251961	9.11061	0.811876	0.530919
253	0.898863	0.315951	0.422935	19.3541	1.85272	1.19782
300	1.55376	0.511922	0.642902	36.4715	2.74158	1.85272
351	2.50661	0.78488	0.895863	77.8212	4.89525	4.06438
406	4.18036	1.09383	1.40979	139.831	8.77966	4.43233
465	6.87995	1.49477	1.9817	283.306	13.483	6.81396
528	10.7714	2.36564	2.77958	447.314	18.1572	8.24375
595	16.8724	3.21651	3.43048	792.016	28.9046	11.8132
666	26.503	4.32334	5.15122	1262.17	48.1847	19.587
741	39.349	5.8921	6.44802	1800	63.6423	27.8838
820	56.0385	8.29274	7.98179	1800	97.6602	36.1605
903	79.8899	10.1205	11.4963	1800	134.641	40.8458
990	110.584	13.096	14.8627	-	183.781	59.205
1081	147.71	19.1731	18.4142	-	236.188	88.5495
1176	198.233	24.0543	22.0067	-	287.478	85.42
1275	264.969	29.6235	28.9516	-	399.885	154.517
1378	338.687	37.7363	34.2608	-	515.34	144.543
1485	433.814	43.9213	40.3529	-	600.755	271.836
1596	537.525	57.3013	47.6957	-	836.105	338.836
1711	693.083	63.3394	51.6721	-	943.885	455.987
1830	867.521	85.0731	76.8533	-	1195.88	529.917
1953	1075.78	100.491	78.3501	-	1466.16	546.982
2080	1335.34	118.427	106.28	-	1800	583.321
2211	1642.38	138.982	113.374	-	1800	736.559
2346	1800	171.475	122.052	-	1800	1091.56
2485	1800	215.228	159.054	-	1800	1208.59
2628	1800	227.298	194.986	-	-	1800
2775	-	283.324	202.263	-	-	1800
2926	-	325.218	250.25	-	-	1800
3081	-	360.597	295.9	-	-	-
3240	-	439.716	292.173	-	-	-
3403	-	469.725	341.786	-	-	-

Cartesian, pyramid graphs, shuffle, no preprocessing  
no clause removal  
CPU time expressed in seconds

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
10	0.000999	0.0	0.000999	0.000999	0.000999	0.000999
21	0.000999	0.001999	0.000999	0.001999	0.000999	0.001999
36	0.003999	0.003999	0.004999	0.010998	0.003999	0.003999
55	0.010998	0.009998	0.012998	0.046992	0.014997	0.013997
78	0.026995	0.019996	0.030995	0.167974	0.034994	0.032994
105	0.06299	0.039993	0.055991	0.553915	0.081987	0.075988
136	0.12998	0.073988	0.098984	1.72674	0.173973	0.153976
171	0.274958	0.137979	0.173973	4.23935	0.442932	0.314952
210	0.526919	0.232964	0.318951	10.1964	0.845871	0.958854
253	1.05884	0.368943	0.509922	22.2106	1.56776	0.815875
300	1.79773	0.537918	0.688895	44.9482	3.18952	2.58161
351	3.08953	0.921859	1.10183	95.1625	4.5943	2.86057
406	5.37618	1.3148	1.61975	165.559	9.02963	6.78897
465	9.42557	2.08268	2.47162	338.844	16.5115	6.90495
528	15.5706	3.08753	3.38149	523.659	23.0365	16.9854
595	24.8522	4.13137	5.06523	916.438	34.0578	23.1755
666	37.9692	5.66714	6.27005	1463.09	54.7267	18.0313
741	58.976	7.98778	8.06677	1800	77.6732	27.8618
820	80.8857	10.4064	10.4874	1800	112.427	47.6048
903	119.708	14.4358	13.9039	1800	152.378	65.956
990	160.302	19.0381	18.0593	-	205.604	82.3555
1081	218.507	23.9324	19.3411	-	265.656	105.046
1176	298.259	30.7093	26.9409	-	390.396	145.848
1275	386.348	37.5663	34.2088	-	496.863	154.162
1378	527.193	50.3064	42.9725	-	610.235	248.866
1485	667.21	60.6578	47.9397	-	747.061	286.697
1596	838.659	78.3271	57.5852	-	1037.87	438.233
1711	1070.99	93.6038	72.626	-	1298.56	411.328
1830	1348.65	121.58	87.8916	-	1480.82	621.036
1953	1637.93	155.686	96.0074	-	1647.185	614.794
2080	1800	160.209	119.624	-	1800	883.926
2211	1800	196.891	142.243	-	1800	725.938
2346	1800	236.909	153.692	-	1800	1237.59
2485	-	258.319	183.891	-	-	1511.51
2628	-	318.181	236.246	-	-	1800
2775	-	358.073	253.883	-	-	1800
2926	-	430.173	325.942	-	-	1800
3081	-	503.447	348.468	-	-	-
3240	-	548.897	417.316	-	-	-
3403	-	753.424	447.531	-	-	-

**Cartesian, pyramid graphs, shuffle, no preprocessing  
clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
10	0.000999	0.000999	0.0	0.000999	0.000999	0.000999
21	0.000999	0.001999	0.000999	0.002999	0.001999	0.000999
36	0.003999	0.002999	0.005999	0.012998	0.003999	0.003999
55	0.009998	0.010998	0.012998	0.040993	0.013997	0.014997
78	0.027995	0.019996	0.031995	0.165974	0.033994	0.031995
105	0.06299	0.039993	0.054991	0.554915	0.080987	0.074988
136	0.132979	0.074988	0.096985	1.54776	0.174973	0.155976
171	0.272958	0.137979	0.172973	3.78143	0.438933	0.316951
210	0.52492	0.232964	0.315951	9.13361	0.845871	0.959854
253	1.05684	0.370943	0.513921	20.8568	1.54876	0.817875
300	1.79473	0.539917	0.690894	41.7287	3.19651	2.57661
351	3.09053	0.923859	1.10383	89.9743	4.55631	2.85057
406	5.37618	1.3128	1.61275	156.284	9.05362	6.80297
465	9.48256	2.08368	2.46663	312.964	16.5805	6.89495
528	15.5746	3.08353	3.35749	493.441	23.1475	16.9834
595	24.6692	4.15137	5.06123	858.976	34.3108	23.2005
666	37.9202	5.64914	6.27205	1468.65	55.1706	18.0103
741	58.8561	7.97679	8.07777	1800	78.0531	27.8478
820	80.9827	10.4694	10.4524	1800	113.356	47.6378
903	119.542	14.4618	13.8569	1800	153.376	65.948
990	160.327	19.0521	18.0153	-	206.614	82.4175
1081	218.954	24.0263	19.3531	-	267.105	105.057
1176	299.411	30.6793	26.8609	-	392.17	145.861
1275	386.999	37.6063	34.1508	-	500.06	154.144
1378	529.281	50.1924	42.9255	-	612.779	248.629
1485	669.263	60.6508	47.8947	-	750.531	286.55
1596	841.053	78.1321	57.5782	-	1040.99	438.747
1711	1068.47	93.4918	72.476	-	1306.27	410.981
1830	1346.31	121.338	87.8526	-	1489.66	621.804
1953	1644.57	155.556	95.9654	-	1658.495	614.915
2080	1800	160.075	119.511	-	1800	885.18
2211	1800	196.904	142.158	-	1800	726.151
2346	1800	236.792	153.683	-	1800	1238.66
2485	-	257.989	183.875	-	-	1513.01
2628	-	318.277	236.068	-	-	1800
2775	-	358.373	253.9	-	-	1800
2926	-	430.358	325.608	-	-	1800
3081	-	502.832	348.248	-	-	-
3240	-	549.196	417.149	-	-	-
3403	-	753.507	447.576	-	-	-

**Cartesian, pyramid graphs, no shuffle, preprocessing  
no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
10	0.000999	0.000999	0.000999	0.000999	0.000999	0.000999
21	0.001999	0.001999	0.001999	0.000999	0.001999	0.000999
36	0.004999	0.004999	0.004999	0.004999	0.003999	0.004999
55	0.015997	0.014997	0.015997	0.014997	0.014997	0.015997
78	0.039993	0.040993	0.040993	0.040993	0.040993	0.040993
105	0.098984	0.098984	0.098984	0.099984	0.098984	0.098984
136	0.213967	0.211967	0.211967	0.213967	0.211967	0.213967
171	0.412937	0.413937	0.413937	0.414936	0.412937	0.412937
210	0.764883	0.760884	0.761884	0.762884	0.759884	0.763883
253	1.38379	1.38279	1.38179	1.38479	1.37779	1.38379
300	2.23566	2.23966	2.23066	2.24066	2.23566	2.24166
351	3.61345	3.61845	3.59945	3.61345	3.60745	3.62145
406	6.33104	6.33604	6.34504	6.33804	6.33104	6.33504
465	9.09462	9.11861	9.09662	9.10961	9.09662	9.12061
528	14.3668	14.3938	14.3818	14.3798	14.3938	14.3888
595	20.8378	20.8918	20.8248	20.8718	20.8188	20.8428
666	30.3944	30.3894	30.3444	30.3414	30.3924	30.3914
741	41.9526	42.0156	41.9236	41.9646	42.0196	41.9646
820	58.4811	58.6171	58.5041	58.4591	58.5001	58.4991
903	77.5362	77.7792	77.7072	77.6762	77.5452	77.6102
990	105.388	105.434	105.492	105.302	105.337	105.347
1081	139.717	139.753	139.637	139.709	139.402	139.621
1176	182.104	182.502	182.258	182.364	182.69	182.19
1275	232.375	232.759	232.574	231.781	232.486	232.706
1378	299.973	300.672	300.334	300.352	300.058	299.804
1485	378.548	377.41	378.016	377.414	377.122	378.245
1596	474.051	474.85	475.589	476.709	475.761	475.332
1711	586.043	585.528	586.441	586.188	586.021	586.236
1830	734.192	734.802	735.661	734.91	735.891	734.149
1953	891.189	891.485	892.948	890.834	891.713	890.023
2080	1106.6	1104.44	1108.6	1106.79	1106.66	1105.96
2211	1336.33	1336.14	1339.91	1337.54	1334.92	1336.53
2346	1636.01	1638.63	1632.42	1638.36	1629.38	1638.04
2485	1800	1800	1800	1800	1800	1800
2628	1800	1800	1800	1800	1800	1800
2775	1800	1800	1800	1800	1800	1800



**Cartesian, pyramid graphs, no shuffle, preprocessing  
clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
10	0.0	0.0	0.000999	0.0	0.000999	0.000999
21	0.001999	0.001999	0.001999	0.001999	0.001999	0.001999
36	0.004999	0.005999	0.004999	0.004999	0.004999	0.004999
55	0.014997	0.015997	0.015997	0.014997	0.015997	0.014997
78	0.041993	0.040993	0.040993	0.040993	0.041993	0.040993
105	0.098984	0.098984	0.098984	0.099984	0.099984	0.099984
136	0.213967	0.212967	0.213967	0.213967	0.212967	0.212967
171	0.411937	0.410937	0.410937	0.414936	0.412937	0.412937
210	0.759884	0.762884	0.762884	0.763883	0.762884	0.761884
253	1.38079	1.38379	1.37979	1.38179	1.38179	1.38379
300	2.23366	2.23466	2.23866	2.22966	2.23866	2.24066
351	3.61845	3.61545	3.61245	3.61445	3.60745	3.61845
406	6.33004	6.33204	6.31004	6.34104	6.32004	6.32904
465	9.07762	9.11661	9.09562	9.09962	9.11161	9.09162
528	14.3768	14.3578	14.3478	14.3768	14.3678	14.3598
595	20.8108	20.8338	20.8028	20.7848	20.8338	20.8448
666	30.3214	30.3064	30.3294	30.3224	30.3534	30.3314
741	41.9986	41.8856	41.8736	41.9606	41.8766	41.9926
820	58.5361	58.4321	58.4181	58.4061	58.4651	58.3341
903	77.6352	77.6082	77.4792	77.5032	77.5872	77.4772
990	105.402	105.719	105.292	105.223	105.585	105.854
1081	139.665	139.187	139.06	139.163	139.35	139.331
1176	182.074	181.95	182.064	181.848	182.073	181.966
1275	232.691	232.081	231.606	232.07	232.684	232.256
1378	299.804	299.397	299.033	299.196	299.317	299.369
1485	376.678	378.634	377.052	376.132	378.511	378.493
1596	475.915	475.351	475.519	473.708	476.196	475.155
1711	584.535	585.531	584.883	585.133	584.744	585.593
1830	736.519	734.736	732.544	732.957	732.931	733.903
1953	891.458	890.712	888.587	889.038	889.442	890.473
2080	1106.03	1106.53	1103.56	1103.9	1104.74	1103.05
2211	1335.65	1335.96	1332.95	1336.15	1334.82	1335.22
2346	1630.73	1637.77	1635.41	1628.23	1633.9	1635.49
2485	1800	1800	1800	1800	1800	1800
2628	1800	1800	1800	1800	1800	1800
2775	1800	1800	1800	1800	1800	1800

Cartesian, pyramid graphs, shuffle, preprocessing, no clause removal  
CPU time expressed in seconds

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
10	0.0	0.0	0.000999	0.000999	0.0	0.000999
21	0.001999	0.001999	0.001999	0.001999	0.001999	0.001999
36	0.005999	0.005999	0.006998	0.006998	0.005999	0.005999
55	0.021996	0.020996	0.021996	0.021996	0.021996	0.021996
78	0.06299	0.06199	0.06199	0.06299	0.06299	0.06299
105	0.154976	0.153976	0.153976	0.154976	0.155976	0.154976
136	0.360945	0.363944	0.363944	0.362944	0.361944	0.363944
171	0.776881	0.775882	0.774882	0.776881	0.769882	0.778881
210	1.53977	1.54476	1.53377	1.52877	1.53477	1.53777
253	2.87656	2.86356	2.86656	2.84857	2.87056	2.86856
300	5.59315	5.55516	5.58115	5.59615	5.59715	5.57515
351	10.2604	10.3324	10.2524	10.1954	10.2464	10.2334
406	18.2202	18.2772	18.2522	18.2302	18.1722	18.2582
465	32.3041	32.4841	32.3841	32.1851	32.1621	32.4611
528	55.0916	55.1106	54.9027	54.7267	54.6887	54.7657
595	88.4206	88.5705	88.3586	87.9086	87.8766	88.0786
666	136.894	136.431	136.278	135.332	135.289	135.775
741	203.111	202.655	202.722	201.959	201.133	202.088
820	292.214	292.102	291.794	290.789	289.581	291.132
903	412.215	412.315	411.354	410.446	409.14	411.281
990	566.471	568.67	567.389	566.007	563.949	566.654
1081	768.207	771.218	769.997	767.991	765.563	769.41
1176	1022.65	1024.87	1024.91	1022.42	1017.9	1024.62
1275	1348.7	1350.32	1349.26	1344.24	1338.83	1347.79
1378	1745.44	1750.81	1749.93	1745.87	1737.49	1749.95
1485	1800	1800	1800	1800	1800	1800
1596	1800	1800	1800	1800	1800	1800
1711	1800	1800	1800	1800	1800	1800

**Cartesian, pyramid graphs, shuffle, preprocessing, clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
10	0.000999	0.0	0.000999	0.000999	0.000999	0.000999
21	0.001999	0.002999	0.001999	0.000999	0.001999	0.000999
36	0.005999	0.005999	0.005999	0.005999	0.005999	0.005999
55	0.021996	0.020996	0.022996	0.021996	0.021996	0.021996
78	0.06099	0.06299	0.06199	0.06199	0.06299	0.06199
105	0.154976	0.154976	0.155976	0.154976	0.153976	0.154976
136	0.363944	0.364944	0.361944	0.361944	0.361944	0.361944
171	0.774882	0.775882	0.777881	0.775882	0.777881	0.776881
210	1.53277	1.53077	1.53377	1.53777	1.53977	1.53477
253	2.83757	2.86256	2.84757	2.85956	2.86956	2.85656
300	5.58815	5.56715	5.59315	5.58115	5.60615	5.58115
351	10.3104	10.2404	10.2984	10.2964	10.2864	10.3024
406	18.1992	18.1562	18.1982	18.4132	18.4492	18.2232
465	32.3751	32.4031	32.3151	32.2751	32.4461	32.2111
528	55.2226	55.0376	55.0016	54.8927	54.8807	54.8047
595	88.7365	88.5265	88.2066	88.2336	87.7787	88.0006
666	136.588	136.279	135.989	135.348	135.379	135.461
741	203.283	201.714	202.025	201.713	201.518	201.901
820	292.817	290.764	290.935	290.503	289.433	290.38
903	412.833	411.627	410.667	410.091	408.452	410.386
990	568.529	568.52	566.229	565.366	562.487	565.02
1081	773.11	771.069	768.909	766.698	763.064	766.768
1176	1029.83	1025.12	1022.33	1020.25	1016.95	1020.37
1275	1353.73	1348.13	1345.98	1343.67	1336.95	1343.65
1378	1754.32	1749.96	1747.31	1742.11	1735.99	1742.27
1485	1800	1800	1800	1800	1800	1800
1596	1800	1800	1800	1800	1800	1800
1711	1800	1800	1800	1800	1800	1800

Cartesian, width 2 chain graphs, no shuffle, no preprocessing  
no clause removal  
CPU time expressed in seconds

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
27	0.005999	0.002999	0.002999	0.017997	0.002999	0.001999
53	0.042993	0.012998	0.013997	0.407937	0.020996	0.015997
79	0.159975	0.030995	0.038994	2.93655	0.058991	0.030995
105	0.452931	0.06299	0.081987	13.9459	0.12698	0.045993
131	0.98085	0.12998	0.150977	44.1393	0.373943	0.234964
157	1.93471	0.176973	0.215967	115.526	0.448931	0.202969
183	3.56546	0.264959	0.314952	239.746	1.3068	0.499924
209	5.86211	0.411937	0.405938	506.103	1.49077	1.52577
235	9.11561	0.592909	0.487925	857.515	2.06469	0.950855
261	13.093	0.827874	0.709892	1569.29	3.10953	1.9457
287	19.934	1.18982	0.989849	1800	4.36734	1.61775
313	28.2127	1.48177	0.978851	1800	7.93079	2.88656
339	37.7173	1.71374	1.44678	1800	5.45117	1.61675
365	50.2454	2.11368	0.875866	-	12.1112	3.9474
391	63.7543	2.72059	1.58676	-	13.9579	3.51546
417	88.8525	3.37449	2.68959	-	23.4544	6.46902
443	118.238	4.67629	1.90571	-	26.7379	6.32604
469	151.28	5.71513	2.05369	-	31.6792	5.08923
495	193.663	7.95979	2.18167	-	37.7563	7.2419
521	239.949	8.37473	2.96155	-	46.6299	8.60969
547	307.943	8.40472	3.05354	-	55.4596	8.19475
573	363.242	9.49556	4.40033	-	74.6167	10.0765
599	453.363	15.3527	4.39233	-	86.0779	13.045
625	553.198	12.2071	3.80642	-	95.4865	18.8431
651	645.566	16.3975	8.10277	-	106.419	16.8854
677	793.67	17.3884	5.10022	-	141.997	16.1595
703	908.663	17.5423	8.24175	-	144.258	18.6602
729	1107.95	21.6557	9.2006	-	172.972	20.4229
755	1201.99	23.8184	6.84196	-	227.489	23.2585
781	1800	83.2014	83.6823	-	206.986	21.3598
807	1684.05	35.0027	6.41802	-	262.248	31.6442
833	1800	39.669	9.47456	-	298.273	26.8529
859	1800	41.8056	16.8594	-	317.022	24.3713
885	1800	51.2842	14.5918	-	338.522	34.6587
911	-	52.744	14.6148	-	378.56	48.0377
937	-	49.8174	16.5915	-	319.541	26.312
963	-	60.3528	11.7002	-	522.313	33.2379
989	-	58.4841	12.868	-	478.635	53.4399
1015	-	92.4939	19.1041	-	502.615	39.278
1041	-	91.2341	17.1084	-	594.004	55.2256

Cartesian, width 2 chain graphs, no shuffle, no preprocessing  
 clause removal  
 CPU time expressed in seconds

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
25	0.003999	0.002999	0.002999	0.011998	0.001999	0.001999
49	0.033994	0.008998	0.009998	0.199969	0.007998	0.007998
73	0.12798	0.021996	0.037994	1.3258	0.051992	0.038994
97	0.358945	0.058991	0.078987	4.79227	0.133979	0.104984
121	0.751885	0.086986	0.102984	14.1588	0.220966	0.224965
145	1.42978	0.147977	0.145977	36.4645	0.414936	0.275958
169	2.6566	0.211967	0.159975	68.9845	0.706892	0.579911
193	4.14837	0.341948	0.287956	150.858	1.03884	0.707892
217	6.13707	0.504923	0.333949	244.701	1.64775	1.00685
241	9.79751	0.707892	0.537918	450.787	2.33864	1.68574
265	14.2268	0.992849	0.715891	659.312	4.20136	2.28865
289	20.6099	1.22581	0.857869	1047.38	4.83526	1.79773
313	28.2347	1.48177	0.970852	1556.39	7.96379	2.86956
337	38.4002	1.64475	1.05284	1800	9.10262	3.99739
361	48.9686	2.17167	1.24781	1800	12.5471	4.51731
385	65.909	2.66559	1.72674	1800	13.7469	3.97439
409	79.252	2.91356	1.56576	-	15.6856	8.34773
433	106.544	4.17037	2.33164	-	24.8792	5.96609
457	129.842	5.40418	2.57061	-	32.735	8.62469
481	173.553	6.34304	2.47762	-	27.4078	9.28459
505	205.639	6.88195	3.34649	-	36.7074	7.73182
529	260.102	9.74352	3.78442	-	50.6903	8.33073
553	301.713	9.02163	4.78427	-	59.246	14.5968
577	383.028	10.3634	3.74943	-	74.6367	15.6036
601	460.467	13.7679	4.39933	-	76.6433	9.26059
625	551.129	12.1921	3.80942	-	95.4745	18.8591
649	676.323	16.5205	4.36134	-	109.08	9.49756
673	758.24	24.0084	8.39772	-	132.635	13.5379
697	876.608	26.9439	4.19036	-	147.544	15.7836
721	1014.08	21.8797	7.74382	-	158.31	13.041
745	1201.94	26.147	11.5332	-	190.243	25.2522
769	1328.4	27.3828	7.53285	-	229.211	24.0403
793	1540.3	33.178	7.36988	-	224.542	27.3188
817	1727.25	33.9888	7.39487	-	263.57	23.6854
841	1800	37.4153	11.3143	-	296.572	33.5549
865	1800	42.7975	11.9532	-	310.062	30.9743
889	1800	61.7326	21.8547	-	322.876	31.3612
913	-	60.4168	13.7799	-	336.891	32.0431
937	-	50.1764	16.5765	-	319.171	26.353
961	-	65.481	10.4004	-	412.945	28.8356

**Cartesian, width 2 chain graphs, shuffle, no preprocessing  
no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
27	0.004999	0.002999	0.003999	0.019996	0.002999	0.001999
53	0.043993	0.011998	0.013997	0.409937	0.016997	0.009998
79	0.176973	0.033994	0.044993	3.2845	0.06299	0.038994
105	0.494924	0.078987	0.094985	11.5382	0.152976	0.110983
131	1.02184	0.119981	0.146977	40.8188	0.415936	0.231964
157	2.10168	0.213967	0.209968	112.039	0.863868	0.340948
183	3.40748	0.284956	0.414936	233.209	1.25681	0.715891
209	5.9301	0.486925	0.420936	502.436	1.64275	0.994848
235	9.8575	0.705892	0.634903	955.021	2.35764	1.00185
261	14.4148	0.960853	0.789879	1800	4.17636	2.15167
287	21.3498	1.37879	1.08083	1800	6.35103	1.79073
313	29.8545	1.77473	1.07883	1800	8.01678	2.42463
339	43.6024	2.03569	1.2878	1800	10.3214	2.94255
365	54.2598	2.43363	1.67175	-	11.9882	6.03108
391	76.5484	3.2715	3.18152	-	16.5935	4.6363
417	96.4753	3.9364	2.54861	-	21.3208	7.2589
443	128.143	5.41418	2.96755	-	26.8119	8.88965
469	168.874	6.46202	2.54261	-	36.9104	7.16891
495	218.635	8.20875	4.78527	-	52.392	13.223
521	283.39	10.7344	5.84711	-	58.5071	8.38872
547	357.035	12.4891	4.79527	-	58.4311	8.92964
573	443.962	14.9217	4.53231	-	78.2061	21.2188
599	522.415	13.7929	4.44632	-	90.8802	12.1322
625	650.804	18.9951	6.18306	-	111.944	17.6013
651	744.566	23.8974	7.13392	-	127.696	18.8351
677	884.928	26.8929	7.75782	-	167.602	17.6673
703	1027.44	26.049	7.74382	-	162.927	24.5713
729	1200.65	32.0071	12.825	-	179.786	26.176
755	1394.59	34.3948	11.6252	-	236.621	27.3418
781	1800	79.3559	80.8387	-	241.009	42.4245
807	1800	47.0838	13.348	-	293.896	39.61
833	1800	48.9986	16.2985	-	325.179	36.7694
859	-	53.5419	15.1477	-	381.615	38.4132
885	-	67.5097	15.6486	-	419.253	78.661
911	-	58.6431	17.4813	-	428.784	39.437
937	-	75.7505	35.5306	-	516.431	37.1923
963	-	79.017	19.413	-	572.737	44.9742
989	-	85.0171	21.8577	-	597.408	53.1149
1015	-	95.4985	21.8077	-	647.578	49.9284
1041	-	98.0011	36.3255	-	731.346	52.2681

**Cartesian, width 2 chain graphs, shuffle, no preprocessing  
clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
25	0.003999	0.001999	0.001999	0.015997	0.002999	0.001999
49	0.034994	0.010998	0.016997	0.252961	0.017997	0.010998
73	0.138978	0.029995	0.038994	1.26481	0.047992	0.035994
97	0.32695	0.051992	0.070989	4.6133	0.149977	0.093985
121	0.78488	0.12798	0.118981	15.7166	0.275958	0.149977
145	1.53177	0.185971	0.178972	37.3763	0.435933	0.318951
169	2.6406	0.280957	0.253961	68.8565	0.894863	0.583911
193	4.48032	0.419936	0.376942	141.329	1.27481	0.644901
217	6.98194	0.59091	0.475927	250.396	1.91671	0.877866
241	10.9013	0.690894	0.509922	435.684	2.42963	1.35179
265	15.2987	1.08483	0.805877	695.046	3.33849	1.51777
289	22.1566	1.14882	1.13783	1217.41	6.15806	1.83572
313	29.8355	1.77773	1.08083	1670.635	8.01578	2.41863
337	38.9571	1.9947	1.38779	1800	9.98348	3.2835
361	54.8767	2.39563	1.77673	1800	12.5481	6.49401
385	70.7003	3.34049	2.21366	1800	17.0104	5.12822
409	91.921	4.42833	3.08753	-	22.3566	5.45817
433	115.839	5.2842	2.30865	-	27.2129	5.9461
457	151.415	6.06508	2.99654	-	28.1157	9.27459
481	192.457	7.29189	2.97455	-	42.7445	8.67068
505	235.343	8.34973	3.52946	-	55.3676	9.1936
529	295.952	11.0863	4.40633	-	58.6771	10.9493
553	353.239	13.8989	5.2252	-	65.869	12.4221
577	435.878	15.1457	5.49816	-	84.0942	8.96864
601	527.187	15.1207	5.61215	-	100.935	13.7649
625	650.969	19.0251	6.19006	-	111.278	17.6093
649	712.7	20.6269	10.0485	-	133.817	16.3785
673	838.569	22.9275	7.07092	-	144.42	31.4142
697	968.942	25.5561	10.0405	-	178.871	14.3798
721	1178.62	31.0393	10.7074	-	158.683	19.641
745	1304.5	37.8113	10.0635	-	192.797	28.0787
769	1515.55	36.1935	12.5741	-	236.532	34.7557
793	1718.565	47.0988	8.83066	-	266.353	30.7223
817	1800	40.6168	11.9612	-	297.261	41.2517
841	1800	51.8781	21.3068	-	347.068	35.8845
865	1800	52.493	22.7775	-	421.138	37.2353
889	-	87.9476	13.351	-	416.625	45.962
913	-	73.2119	19.927	-	458.383	41.9396
937	-	75.8495	35.6206	-	513.346	37.0984
961	-	74.0227	18.3372	-	501.552	39.4

**Cartesian, width 2 chain graphs, no shuffle, preprocessing  
no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
27	0.002999	0.002999	0.001999	0.002999	0.002999	0.002999
53	0.015997	0.015997	0.015997	0.016997	0.015997	0.015997
79	0.046992	0.046992	0.046992	0.048992	0.046992	0.047992
105	0.106983	0.106983	0.106983	0.106983	0.106983	0.106983
131	0.202969	0.201969	0.204968	0.204968	0.205968	0.205968
157	0.342947	0.339948	0.339948	0.341948	0.342947	0.339948
183	0.537918	0.535918	0.533918	0.535918	0.534918	0.532918
209	0.78788	0.78488	0.78688	0.78288	0.791879	0.78488
235	1.13183	1.12483	1.12983	1.12483	1.13083	1.12783
261	1.51577	1.50977	1.50777	1.50477	1.51777	1.51677
287	2.05069	2.04369	2.05169	2.05069	2.06369	2.05069
313	2.5926	2.58761	2.58861	2.58261	2.5956	2.59461
339	3.2855	3.2835	3.2885	3.2875	3.3005	3.2725
365	4.15337	4.15237	4.15337	4.14937	4.15337	4.14537
391	5.09822	5.09422	5.08423	5.07723	5.11222	5.10622
417	6.22005	6.19706	6.23305	6.20006	6.22405	6.22805
443	7.93179	7.93079	7.93979	7.93279	7.96179	7.94379
469	9.2226	9.2296	9.1996	9.1936	9.2166	9.2276
495	11.1293	11.1263	11.1403	11.1153	11.1293	11.1513
521	13.115	13.132	13.132	13.112	13.125	13.125
547	15.3407	15.3557	15.3957	15.3537	15.3517	15.3507
573	17.7463	17.7973	17.8033	17.8123	17.8113	17.7843
599	20.6269	20.6079	20.5989	20.6219	20.6089	20.6169
625	23.3454	23.3814	23.3614	23.3285	23.3594	23.4174
651	26.6799	26.7709	26.7249	26.7049	26.7329	26.7909
677	30.2354	30.2664	30.2964	30.1734	30.2544	30.3144
703	33.6559	33.6669	33.6919	33.5799	33.7089	33.6929
729	37.6023	37.6213	37.6393	37.6143	37.6293	37.6413
755	41.9886	41.9786	42.0036	42.0126	42.0486	41.9846
781	46.6259	46.6349	46.6189	46.4099	46.5719	46.5439
807	51.5002	51.6431	51.5352	51.5252	51.5152	51.5042
833	56.8724	56.9543	56.9253	56.9003	56.8814	57.1063
859	62.2035	62.4925	62.3105	62.4125	62.2745	62.3545
885	68.3076	68.5006	68.3076	68.3466	68.3796	68.4076
911	74.6876	74.9826	74.5367	74.7856	74.7246	74.5987
937	81.4176	81.6296	81.3036	81.3056	81.5246	81.4886
963	89.3954	89.5024	89.4314	89.3014	89.3304	89.5024
989	96.0554	96.0514	96.0584	95.9064	96.2534	96.1254
1015	104.057	104.377	104.4	104.04	104.363	104.082
1041	112.34	112.763	112.646	112.261	112.555	112.613



**Cartesian, width 2 chain graphs, no shuffle, preprocessing  
clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
25	0.002999	0.001999	0.002999	0.001999	0.001999	0.002999
49	0.012998	0.013997	0.012998	0.012998	0.011998	0.012998
73	0.038994	0.038994	0.039993	0.038994	0.038994	0.038994
97	0.085986	0.084987	0.085986	0.085986	0.085986	0.084987
121	0.158975	0.159975	0.159975	0.161975	0.159975	0.160975
145	0.269958	0.271958	0.268959	0.270958	0.269958	0.271958
169	0.426935	0.426935	0.426935	0.426935	0.424935	0.427934
193	0.622905	0.625904	0.625904	0.629904	0.626904	0.627904
217	0.886865	0.890864	0.888864	0.889864	0.885865	0.892864
241	1.19882	1.20282	1.19882	1.19882	1.20382	1.20082
265	1.58676	1.58476	1.58976	1.58676	1.58476	1.59176
289	2.04969	2.04669	2.05569	2.05269	2.05569	2.04769
313	2.59061	2.58961	2.59661	2.59761	2.59661	2.6016
337	3.23251	3.2505	3.24751	3.25251	3.2505	3.25351
361	3.9724	3.98339	3.98039	3.98539	3.97839	3.98439
385	4.86626	4.88826	4.89525	4.88726	4.87926	4.88726
409	6.08907	6.12907	6.11007	6.10707	6.10607	6.11607
433	7.04193	7.05993	7.04793	7.06693	7.06393	7.06293
457	8.47071	8.46771	8.45671	8.45971	8.47571	8.45971
481	10.3244	10.3504	10.3394	10.3534	10.3384	10.3334
505	11.8552	11.8532	11.8752	11.8662	11.8562	11.8472
529	14.0099	14.0069	14.0169	14.0049	13.9939	13.9749
553	15.8826	15.8596	15.8796	15.8956	15.8776	15.8676
577	18.0982	18.1492	18.1312	18.1282	18.1422	18.1302
601	21.1448	21.1468	21.1118	21.1138	21.1118	21.0818
625	23.3884	23.4064	23.3754	23.3654	23.3834	23.3594
649	26.336	26.32	26.32	26.332	26.284	26.286
673	30.0844	30.1594	30.0624	30.0694	30.1114	30.0534
697	33.7049	33.6479	33.7339	33.6309	33.7269	33.6669
721	36.4225	36.4615	36.3265	36.4365	36.2945	36.4165
745	41.2407	41.2797	41.1118	41.3297	41.2017	41.1787
769	44.8112	44.9402	44.9432	44.9552	44.9042	44.8572
793	48.8396	48.7726	48.7166	48.6886	48.9076	48.8156
817	53.4909	53.3709	53.5099	53.4589	53.4189	53.3879
841	58.4841	58.2761	58.3561	58.3321	58.5821	58.4191
865	63.7853	63.7423	63.6933	63.7203	63.7853	63.6683
889	69.0915	69.1155	69.0495	69.1915	69.2905	69.1065
913	75.1306	74.9716	74.9526	75.1586	75.0756	74.8716
937	81.2766	81.4076	81.4426	81.3286	81.6146	81.2067
961	87.9726	88.0176	87.7507	88.1186	88.1636	87.8596

Cartesian, width 2 chain graphs, shuffle, preprocessing  
no clause removal  
CPU time expressed in seconds

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
27	0.003999	0.003999	0.003999	0.003999	0.003999	0.003999
53	0.022996	0.022996	0.022996	0.022996	0.021996	0.022996
79	0.074988	0.073988	0.073988	0.073988	0.074988	0.074988
105	0.175973	0.175973	0.173973	0.176973	0.175973	0.175973
131	0.354946	0.352946	0.356945	0.355945	0.355945	0.357945
157	0.637903	0.636903	0.637903	0.641902	0.638902	0.641902
183	1.04684	1.04684	1.04784	1.04984	1.04584	1.04884
209	1.60576	1.60276	1.60476	1.61076	1.61175	1.61076
235	2.35064	2.33564	2.35664	2.35464	2.36064	2.37064
261	3.39948	3.38149	3.38948	3.40048	3.40248	3.40248
287	4.90925	4.91925	4.92925	4.98124	4.93925	4.96525
313	6.95294	6.89595	6.88895	6.92895	6.89995	6.95294
339	9.48356	9.40357	9.44056	9.51655	9.49356	9.57154
365	12.4571	12.4301	12.5071	12.5991	12.4221	12.6881
391	16.4135	16.3575	16.4095	16.5935	16.3455	16.7185
417	21.1958	21.1558	21.1968	21.3618	21.1358	21.6877
443	27.2699	27.1829	27.3758	27.6348	27.2529	27.8178
469	34.7317	34.6527	34.6147	35.0677	34.6647	35.2916
495	43.6484	43.4104	43.4704	43.9693	43.5534	43.9643
521	53.8628	53.4149	53.6108	54.2188	53.6298	54.0498
547	64.6832	64.6712	65.0731	65.7	65.1061	65.3861
573	77.8892	77.2903	77.8322	78.648	78.0071	78.2021
599	91.974	91.3641	92.053	93.0219	91.897	92.4459
625	107.833	107.089	107.938	108.934	107.791	108.284
651	124.706	124.075	124.89	126.185	124.997	125.438
677	143.333	142.439	143.552	145.069	143.435	143.962
703	164.517	163.523	164.641	166.468	164.697	165.231
729	186.568	185.951	186.976	189.128	187.058	187.749
755	211.862	210.774	211.919	214.133	211.919	212.632
781	238.758	236.673	238.099	240.715	238.122	239.068
807	266.536	264.701	266.182	269.219	266.428	267.547
833	298.077	295.633	297.695	300.753	297.969	298.694
859	330.023	328.319	330.509	333.931	330.094	331.562
885	365.082	362.906	365.7	369.13	365.846	366.717
911	402.953	400.487	402.711	407.971	403.121	404.494
937	443.355	440.363	443.595	448.337	443.268	445.047
963	485.085	483.424	485.94	492.038	485.927	489.129
989	531.921	529.174	532.691	538.473	532.346	534.191
1015	579.81	577.576	581.489	587.685	580.287	582.346
1041	631.539	628.945	632.158	638.573	631.732	634.292

**Cartesian, width 2 chain graphs, shuffle, preprocessing  
clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
25	0.002999	0.002999	0.002999	0.002999	0.002999	0.002999
49	0.018997	0.017997	0.017997	0.017997	0.017997	0.018997
73	0.057991	0.058991	0.057991	0.058991	0.058991	0.058991
97	0.136979	0.138978	0.137979	0.137979	0.137979	0.138978
121	0.274958	0.274958	0.273958	0.273958	0.273958	0.273958
145	0.491925	0.491925	0.491925	0.488925	0.491925	0.490925
169	0.811876	0.810876	0.812876	0.806877	0.810876	0.811876
193	1.25281	1.25381	1.24681	1.24881	1.25481	1.25381
217	1.80972	1.81672	1.81972	1.81272	1.81772	1.81572
241	2.55861	2.56961	2.54261	2.55961	2.56861	2.56061
265	3.60345	3.60245	3.58446	3.58845	3.59745	3.61145
289	5.05123	5.04823	5.04523	5.02823	5.05523	5.05123
313	6.90095	6.92095	6.94694	6.89395	6.89895	6.94094
337	9.1796	9.2126	9.2206	9.17261	9.1766	9.17061
361	12.0032	12.0112	12.0542	11.9862	12.0032	11.9882
385	15.3697	15.3507	15.3967	15.3657	15.3667	15.3587
409	19.634	19.688	19.589	19.586	19.575	19.631
433	24.8112	24.7172	24.8532	24.7032	24.7252	24.6543
457	31.4072	31.2023	31.2243	31.1303	31.1113	31.1243
481	38.6351	38.6131	38.6581	38.5221	38.4941	38.4971
505	47.1868	47.1898	47.2328	47.0269	47.0668	47.2858
529	57.0733	56.8114	57.1643	56.8534	56.7434	57.2523
553	68.0477	67.9087	68.1136	67.7767	67.6967	68.1756
577	79.8299	79.5169	79.8869	79.5359	79.3919	79.7799
601	92.8649	92.7489	92.9699	92.6909	92.5919	92.7999
625	107.731	107.561	108.157	107.542	107.419	107.962
649	123.179	123.176	123.599	123.326	122.896	123.562
673	140.608	140.743	140.937	141.051	140.474	140.27
697	159.118	158.754	159.757	159.292	158.841	158.78
721	179.189	179.325	180.16	180.241	179.122	179.625
745	201.629	202.084	202.55	202.036	201.297	202.31
769	224.948	224.925	226.118	225.831	224.67	225.693
793	250.505	250.866	251.77	251.303	250.953	250.866
817	277.423	276.872	278.695	278.134	277.627	276.777
841	305.908	305.433	307.733	307.53	305.463	307.037
865	337.567	338.362	339.538	339.067	337.603	339.109
889	370.191	369.672	372.042	371.976	369.828	371.419
913	405.28	406.05	406.925	407.363	405.927	406.754
937	441.528	441.697	443.87	444.821	441.98	442.847
961	481.669	482.497	484.602	484.039	482.088	483.726

Cartesian, width 5 chain graphs, no shuffle, no preprocessing  
no clause removal  
CPU time expressed in seconds

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
39	0.005999	0.004999	0.006998	0.020996	0.005999	0.004999
74	0.051992	0.018997	0.026995	0.601908	0.045993	0.029995
109	0.187971	0.044993	0.080987	4.67629	0.135979	0.081987
144	0.534918	0.096985	0.179972	20.3449	0.462929	0.293955
179	1.24981	0.154976	0.222966	67.6227	0.714891	0.566913
214	2.43263	0.328949	0.335948	153.39	1.48177	0.835872
249	4.36034	0.394939	0.583911	378.891	2.36364	1.48977
284	7.12192	0.58591	0.833873	649.655	3.41048	2.69359
319	11.1423	0.773882	1.57476	1312.39	5.54916	4.39833
354	16.9684	0.959854	1.56976	1800	7.57585	3.52546
389	24.2373	1.3238	2.52162	1800	12.6151	7.8908
424	34.8477	1.79373	2.56961	1800	16.0926	10.7744
459	53.3419	2.18867	3.47847	-	17.4513	12.3591
494	69.8934	2.80457	4.44332	-	25.0992	15.8356
529	93.2458	3.61845	4.28735	-	34.9797	21.1118
564	125.695	4.28135	4.97424	-	44.8002	16.0066
599	170.567	5.78212	6.68098	-	50.3124	31.0203
634	213.182	6.10607	8.70368	-	67.7657	31.7632
669	278.984	7.57285	10.6724	-	71.5221	35.0007
704	323.301	8.86165	13.25	-	97.9431	48.7356
739	418.62	10.2914	11.2833	-	104.022	47.6028
774	512.325	12.953	15.4267	-	121.488	54.4917
809	606.38	14.3018	19.437	-	129.022	51.6481
844	725.87	17.3474	18.2252	-	157.385	64.0523
879	857.641	21.0178	25.998	-	187.219	87.2177
914	1023.2	20.3779	18.0153	-	204.834	114.123
949	1246.99	21.1178	27.6858	-	253.899	91.876
984	1464.03	29.8305	34.6047	-	288.377	117.407
1019	1648.64	33.4039	38.1142	-	316.612	154.658
1054	1800	34.8787	30.3704	-	335.566	131.381
1089	1800	38.7391	34.1698	-	394.92	161.974
1124	1800	42.6945	49.1105	-	431.062	169.164
1159	1800	44.1933	32.947	-	463.326	235.854
1194	-	52.2691	37.3973	-	539.945	215.316
1229	-	66.086	65.2341	-	562.187	246.602
1264	-	59.175	62.4285	-	603.978	314.559
1299	-	61.5056	96.9213	-	693.678	270.712
1334	-	74.1777	62.2185	-	740.411	316.982
1369	-	80.3038	66.001	-	762.817	393.233
1404	-	86.2109	70.7252	-	853.885	415.708

**Cartesian, width 5 chain graphs, no shuffle, no preprocessing  
 clause removal  
 CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
44	0.008998	0.004999	0.007998	0.044993	0.007998	0.005999
84	0.084987	0.025996	0.038994	0.85187	0.048992	0.048992
124	0.303953	0.06399	0.092985	5.47617	0.244962	0.111982
164	0.878866	0.12698	0.220966	23.5744	0.578911	0.383941
204	1.84072	0.219966	0.299954	71.8011	1.16782	0.739887
244	4.12637	0.39394	0.52292	178.672	2.31765	1.82872
284	7.12792	0.578911	0.833873	405.869	3.37949	2.70259
324	12.1462	0.802877	1.17782	804.894	5.72313	4.04038
364	17.9393	1.11983	1.28181	1470.97	8.82366	5.2482
404	28.2907	1.51177	2.25666	1800	13.5219	5.80812
444	44.5352	1.9487	3.2575	1800	16.8924	12.0912
484	62.3185	2.47362	3.05253	1800	23.0675	15.3777
524	96.3434	3.48347	5.58615	-	31.3452	27.4208
564	125.58	4.29035	4.97524	-	44.5522	16.0956
604	166.826	5.08423	8.5477	-	54.3627	32.5461
644	229.349	6.76897	8.27874	-	67.5907	32.3481
684	294.022	8.10677	11.5512	-	82.8564	40.4528
724	384.33	9.64153	9.40657	-	99.0509	43.2044
764	486.11	15.8556	17.8713	-	115.407	52.1671
804	622.902	12.4751	14.4118	-	131.381	65.0761
844	724.741	17.3414	18.1932	-	156.148	64.2492
884	887.369	18.6852	26.347	-	186.75	104.32
924	1042.15	22.6316	26.158	-	220.899	103.906
964	1284.8	27.7398	30.6213	-	250.632	130.277
1004	1477.45	30.9063	41.0268	-	280.034	122.216
1044	1780.635	34.5028	35.7726	-	325.014	123.909
1084	1800	36.4685	51.4562	-	365.586	158.551
1124	1800	42.5745	48.9506	-	426.291	169.904
1164	1800	46.6139	45.0522	-	478.759	204.226
1204	-	52.648	63.3574	-	538.005	224.075
1244	-	73.1619	43.2924	-	599.611	259.167
1284	-	60.2808	93.2008	-	639.267	282.437
1324	-	72.092	83.1894	-	677.447	343.357
1364	-	73.4058	103.278	-	795.584	299.456
1404	-	86.0089	70.6383	-	843.597	416.769
1444	-	145.131	79.143	-	925.202	380.027
1484	-	101.998	109.535	-	941.763	409.975
1524	-	108.07	92.7239	-	1138.67	349.103
1564	-	125.411	101.455	-	1242.43	484.724
1604	-	123.206	148.528	-	1417.1	541.158

**Cartesian, width 5 chain graphs, shuffle, no preprocessing  
no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
39	0.006998	0.004999	0.004999	0.028995	0.003999	0.003999
74	0.051992	0.020996	0.029995	0.617906	0.045993	0.021996
109	0.19197	0.050992	0.077988	4.74828	0.121981	0.150977
144	0.537918	0.093985	0.132979	19.1601	0.412937	0.284956
179	1.3318	0.167974	0.241963	65.2591	0.789879	0.409937
214	2.78458	0.278957	0.349946	161.232	1.39179	0.731888
249	4.66229	0.422935	0.628904	347.983	2.82157	2.46062
284	8.24875	0.623905	0.835872	663.817	3.55746	4.04239
319	12.6591	0.948855	1.08583	1363.8	6.81096	4.6213
354	18.4952	1.22581	1.57876	1800	9.15361	5.11122
389	28.3417	1.68574	2.43863	1800	14.4748	6.87195
424	39.8629	2.02769	3.38948	1800	19.0491	9.8355
459	56.3964	2.87056	4.00539	-	23.0655	11.9102
494	81.8676	3.50547	4.5833	-	30.8883	21.5127
529	114.929	4.19836	5.03923	-	38.7531	29.0866
564	154.261	6.00809	7.04493	-	45.764	30.1324
599	194.495	7.57585	10.0115	-	65.0621	33.4549
634	257.434	8.61269	10.8983	-	70.0973	32.5201
669	328.39	11.0703	15.1437	-	90.4672	60.5008
704	396.038	11.9222	10.2624	-	122.65	44.5552
739	500.098	14.1129	17.3074	-	130.556	57.6042
774	577.696	16.9424	17.5303	-	145.456	93.9947
809	695.491	20.9868	22.7705	-	179.558	53.7338
844	856.245	21.8957	26.24	-	189.833	78.4821
879	1051.24	27.1099	33.208	-	252.52	72.118
914	1163.79	29.3355	34.7797	-	281.167	90.3263
949	1423.51	35.4306	44.5972	-	301.169	115.677
984	1570.01	35.9035	30.9583	-	362.538	133.071
1019	1800	41.3847	35.9115	-	382.21	185.134
1054	1800	42.8825	40.9648	-	420.206	179.972
1089	1800	51.7391	48.4926	-	456.137	169.664
1124	1800	59.124	58.6891	-	567.282	222.042
1159	-	75.2456	74.4127	-	618.997	238.426
1194	-	84.2872	63.7083	-	652.527	246.273
1229	-	74.1097	58.7571	-	689.92	320.811
1264	-	86.1769	55.7925	-	819.504	290.583
1299	-	98.56	95.5395	-	874.997	223.718
1334	-	107.34	82.5145	-	917.47	356.935
1369	-	119.46	106.158	-	1013.32	412.526
1404	-	116.216	84.9081	-	1083.62	374.392

**Cartesian, width 5 chain graphs, shuffle, no preprocessing  
clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
44	0.008998	0.007998	0.008998	0.047992	0.007998	0.006998
84	0.080987	0.029995	0.044993	0.763883	0.055991	0.071989
124	0.318951	0.066989	0.109983	6.25805	0.25996	0.124981
164	0.944856	0.134979	0.19297	23.1695	0.6519	0.461929
204	2.20965	0.255961	0.377942	67.8247	1.21081	0.963853
244	3.9414	0.413937	0.608907	183.207	2.38964	2.20466
284	8.25974	0.625904	0.833873	424.254	3.58446	4.04038
324	13.4959	0.877866	1.3388	781.712	5.60915	4.90625
364	21.0458	1.3278	1.85272	1367.11	8.5597	6.19606
404	32.2881	2.16267	2.57261	1800	15.0787	9.03862
444	46.8539	2.59061	4.94525	1800	19.0941	11.9722
484	73.7698	3.36849	4.80127	1800	30.6553	17.7383
524	104.805	4.46832	4.56231	-	43.8663	23.4034
564	153.577	5.98709	7.03993	-	45.742	30.1304
604	206.144	7.48986	9.77451	-	60.5278	40.6298
644	269.389	9.36857	9.47056	-	86.0579	43.7254
684	348.566	10.9213	13.346	-	98.907	46.7769
724	457.753	13.085	13.366	-	117.525	57.6912
764	544.945	16.7015	23.2415	-	141.565	57.5433
804	699.669	20.2939	20.8938	-	161.01	97.6152
844	850.382	21.9867	26.251	-	189.278	78.778
884	1020.26	30.0874	28.0577	-	236.669	89.9653
924	1224.91	29.6125	32.823	-	284.391	96.5113
964	1492.59	37.9142	38.5021	-	323.616	144.447
1004	1726.42	39.533	29.2795	-	360.725	168.957
1044	1800	48.8566	32.933	-	431.092	179.186
1084	1800	49.3245	63.0564	-	457.508	171.508
1124	1800	59.034	58.6451	-	566.646	222.657
1164	-	63.1794	69.3405	-	619.247	289.759
1204	-	70.9262	67.5677	-	705.875	216.001
1244	-	77.6642	68.0717	-	827.696	245.425
1284	-	105.319	72.7129	-	828.77	358.054
1324	-	104.702	84.6271	-	908.977	339.562
1364	-	107.746	90.0103	-	956.297	420.567
1404	-	116.203	84.8081	-	1076.65	375.574
1444	-	122.288	141.515	-	1164.25	428.301
1484	-	139.56	103.833	-	1281.22	382.754
1524	-	182.322	118.823	-	1454.84	397.92
1564	-	203.08	195.311	-	1524.08	466.488
1604	-	172.084	138.464	-	1685.615	458.338

**Cartesian, width 5 chain graphs, no shuffle, preprocessing  
no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
39	0.005999	0.005999	0.006998	0.005999	0.006998	0.006998
74	0.038994	0.039993	0.039993	0.037994	0.038994	0.038994
109	0.117982	0.116982	0.116982	0.118981	0.116982	0.117982
144	0.266959	0.264959	0.263959	0.264959	0.26196	0.264959
179	0.499924	0.496924	0.498924	0.498924	0.501923	0.498924
214	0.843871	0.843871	0.845871	0.847871	0.843871	0.846871
249	1.3278	1.3258	1.3208	1.3218	1.3228	1.3298
284	1.9607	1.9587	1.9517	1.9587	1.9557	1.9587
319	2.76458	2.76058	2.75558	2.76558	2.76258	2.75958
354	3.80142	3.78742	3.79442	3.79742	3.80342	3.79042
389	5.04823	5.03423	5.03223	5.03423	5.04623	5.03323
424	6.64999	6.64499	6.63899	6.63999	6.66399	6.64499
459	8.66868	8.67368	8.66568	8.67468	8.70468	8.65868
494	11.3833	11.3773	11.3833	11.3913	11.3853	11.4113
529	14.8517	14.8247	14.8387	14.8497	14.8547	14.8427
564	17.4833	17.4773	17.4853	17.4873	17.4653	17.4553
599	20.7858	20.7468	20.7728	20.7698	20.7638	20.7578
634	25.1222	25.0992	25.0882	25.1502	25.1042	25.1382
669	29.8025	29.7565	29.7695	29.7845	29.8005	29.7365
704	35.0107	34.9367	34.9717	34.9697	35.0147	34.9567
739	39.8709	39.795	39.8599	39.8019	39.9059	39.752
774	47.1118	47.0159	47.0648	47.0398	47.0978	47.0978
809	52.62	52.544	52.584	52.462	52.577	52.454
844	61.5196	61.5086	61.4927	61.5076	61.5476	61.3357
879	67.9847	67.8797	67.9637	67.8737	67.8837	67.9117
914	78.62	78.3491	78.3691	78.4381	78.5161	78.2391
949	85.821	85.663	85.699	85.717	85.8659	85.647
984	98.509	98.1651	98.401	98.359	98.391	98.341
1019	106.967	106.725	106.603	106.677	106.8	106.56
1054	121.987	121.636	121.75	121.794	121.64	121.709
1089	131.591	131.284	131.478	131.088	131.532	131.179
1124	148.5	148.066	148.332	148.473	148.324	148.022
1159	158.728	158.379	158.253	158.749	158.673	158.488
1194	178.558	178.258	178.352	178.443	178.762	178.403
1229	189.983	189.744	189.694	189.449	189.728	189.739
1264	213.368	212.474	212.577	213.037	213.42	212.416
1299	225.759	224.841	225.42	225.463	225.883	225.273
1334	250.689	250.134	250.547	250.278	250.85	250.036
1369	265.309	264.948	264.305	264.968	265.021	264.473
1404	294.619	293.49	294.117	293.481	294.654	293.945



**Cartesian, width 5 chain graphs, no shuffle, preprocessing  
clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
44	0.009998	0.008998	0.008998	0.008998	0.009998	0.009998
84	0.055991	0.055991	0.055991	0.055991	0.054991	0.054991
124	0.170974	0.169974	0.169974	0.168974	0.170974	0.170974
164	0.38994	0.38894	0.386941	0.387941	0.387941	0.38994
204	0.737887	0.737887	0.734888	0.739887	0.734888	0.735888
244	1.24481	1.24381	1.24181	1.24581	1.23881	1.23781
284	1.9577	1.9607	1.9517	1.9507	1.9517	1.9597
324	2.90856	2.91356	2.90456	2.89056	2.90156	2.91056
364	4.22636	4.22936	4.22236	4.21736	4.23536	4.21836
404	5.67514	5.68914	5.66214	5.68914	5.68713	5.66414
444	7.9108	7.92779	7.9188	7.9148	7.9158	7.9108
484	10.5214	10.5474	10.5144	10.5334	10.5234	10.5464
524	13.6389	13.6529	13.6149	13.6159	13.6349	13.6449
564	17.4633	17.5003	17.4443	17.4693	17.4883	17.4573
604	21.5477	21.5667	21.5037	21.5467	21.5717	21.5547
644	26.513	26.537	26.438	26.538	26.498	26.49
684	32.4921	32.4581	32.3951	32.5131	32.4711	32.4361
724	38.2292	38.1622	38.0902	38.2562	38.1612	38.2182
764	45.0981	45.1531	45.0012	45.1561	45.1411	45.2171
804	52.839	52.944	52.799	52.912	52.845	52.884
844	61.4917	61.5606	61.3347	61.5266	61.4557	61.5186
884	70.7962	70.7452	70.5053	70.8032	70.6553	70.7033
924	81.2217	81.2676	80.9197	81.3686	81.0007	81.2646
964	94.0137	94.0907	93.6348	94.0787	93.8587	94.0057
1004	104.53	104.501	104.301	104.731	104.52	104.468
1044	118.133	118.26	117.701	118.201	117.982	118.047
1084	132.522	132.807	132.272	132.508	132.418	132.724
1124	148.119	148.267	147.838	148.115	147.843	148.166
1164	165.142	165.244	164.576	165.257	165.037	164.742
1204	183.219	183.162	182.492	182.975	182.823	183.39
1244	202.831	202.856	202.308	202.722	202.777	202.831
1284	223.146	223.31	222.373	223.13	223.05	222.623
1324	245.23	245.191	245.106	245.244	244.996	245.277
1364	267.433	267.495	266.767	267.535	267.152	267.481
1404	294.001	293.918	293.205	293.738	293.833	293.787
1444	320.525	319.826	318.762	320.751	319.977	320.59
1484	348.872	348.921	348.202	348.97	348.197	349.908
1524	378.883	378.934	378.494	378.431	379.294	379.168
1564	410.713	411.24	410.28	411.896	410.614	411.433
1604	444.533	444.135	443.57	444.103	442.752	444.662

Cartesian, width 5 chain graphs, shuffle, preprocessing  
no clause removal  
CPU time expressed in seconds

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
39	0.008998	0.008998	0.008998	0.008998	0.008998	0.008998
74	0.05999	0.058991	0.05999	0.06099	0.05999	0.05999
109	0.19297	0.19197	0.19297	0.19397	0.19197	0.19397
144	0.470928	0.467928	0.469928	0.471928	0.471928	0.471928
179	0.957854	0.958854	0.961853	0.958854	0.958854	0.960853
214	1.72474	1.72274	1.72974	1.72374	1.72874	1.72974
249	2.85257	2.83057	2.84857	2.85956	2.85357	2.85257
284	4.84026	4.82427	4.83127	4.83726	4.82427	4.83926
319	7.46286	7.44387	7.47486	7.42487	7.47286	7.44587
354	11.4023	11.2983	11.4113	11.3143	11.3523	11.2953
389	15.8796	15.8856	16.0946	15.8606	15.9096	15.9096
424	23.0685	23.1155	23.2405	22.9995	23.0895	23.0875
459	30.9593	31.0683	30.9063	30.7853	30.8333	30.8523
494	43.0725	42.8335	42.9985	42.9005	42.9705	42.8255
529	56.6764	56.4074	56.6654	56.3574	56.4364	56.3384
564	70.7552	70.4563	70.8862	70.6623	70.9012	70.4483
599	89.4024	88.7795	89.4334	88.9825	88.9785	88.9505
634	110.101	109.726	109.384	109.7	110.271	109.668
669	133.907	133.207	132.884	133.354	134.139	133.464
704	163.215	162.569	161.93	162.827	163.353	162.532
739	191.121	190.104	189.381	190.261	191.357	190.123
774	225.203	223.875	223.304	224.414	225.206	224.128
809	265.005	263.459	262.781	264.325	265.626	264.108
844	303.191	301.944	301.189	302.687	303.988	302.35
879	351.336	349.228	348.158	349.844	352.149	349.893
914	400.956	401.716	397.657	399.775	401.542	399.38
949	462.473	462.267	459.845	461.135	463.554	461.281
984	515.431	515.007	510.608	514.523	516.477	513.392
1019	589.69	588.569	584.908	587.753	591.159	587.437
1054	650.766	649.944	645.728	648.699	652.262	648.652
1089	763.677	763.764	756.906	761.747	765.637	761.335
1124	816.042	816.54	809.525	817.025	818.079	813.971
1159	892.494	894.702	886.38	895.69	894.488	892.183
1194	988.855	988.048	985.253	990.499	991.868	987.252
1229	1087.91	1088.67	1084.77	1087.1	1091.23	1085.61
1264	1213.25	1213.68	1209.04	1212.29	1214.5	1209.39
1299	1365.14	1363.95	1355.79	1363.7	1368.22	1366.26
1334	1428.85	1426.59	1417.57	1424.48	1429.96	1423.25
1369	1562.52	1559.5	1549.35	1561.16	1563.3	1556.92
1404	1698.35	1696.48	1688.0	1695.74	1703.39	1694.25

**Cartesian, width 5 chain graphs, shuffle, preprocessing  
clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
44	0.012998	0.012998	0.012998	0.011998	0.012998	0.012998
84	0.086986	0.085986	0.085986	0.085986	0.086986	0.086986
124	0.291955	0.289955	0.293955	0.289955	0.289955	0.292955
164	0.71989	0.72089	0.724889	0.72089	0.723889	0.72189
204	1.48277	1.48577	1.49077	1.48677	1.48577	1.48177
244	2.69259	2.69059	2.69059	2.68259	2.69459	2.68859
284	4.83626	4.83626	4.84826	4.84526	4.83026	4.81427
324	8.06877	8.07477	8.11477	8.04078	8.05078	8.10377
364	12.2861	12.2861	12.2341	12.2421	12.2831	12.3751
404	18.4232	18.5622	18.5672	18.5532	18.4602	18.6152
444	27.2669	27.3858	27.5558	27.2979	27.3238	27.5338
484	38.3742	38.4971	38.6541	38.3622	38.4432	38.5921
524	53.6029	53.7908	53.7588	53.2229	53.3559	53.7478
564	70.5443	70.9732	70.7242	70.1943	70.5113	71.0432
604	96.9253	97.2692	97.0602	96.4373	96.7593	97.2092
644	117.041	117.446	116.992	116.542	116.678	117.267
684	144.991	145.659	144.856	144.114	144.371	145.334
724	180.87	181.956	180.821	179.682	180.117	181.285
764	214.408	215.433	214.683	213.066	213.601	215.08
804	258.153	259.991	257.836	256.857	257.338	259.267
844	302.827	303.709	303.107	300.953	301.825	303.807
884	375.594	377.955	375.867	373.561	374.885	377.309
924	415.073	418.132	414.859	412.662	413.944	417.022
964	482.461	486.836	483.14	482.765	482.15	485.429
1004	550.2	553.393	550.654	549.527	549.812	552.535
1044	655.663	661.045	655.916	655.293	654.214	658.448
1084	721.014	724.426	721.774	720.992	721.648	723.587
1124	813.874	820.358	816.287	812.331	816.352	817.844
1164	908.364	910.512	907.742	905.761	912.401	911.652
1204	1012.84	1016.94	1012.69	1011.05	1017.93	1017.67
1244	1132.54	1137.65	1131.26	1129.61	1135.74	1135.52
1284	1263.8	1268.75	1263.46	1263.45	1267.81	1267.71
1324	1452.38	1458.76	1451.79	1452.43	1458.25	1450.28
1364	1540.37	1548.47	1541.01	1542.49	1545.45	1536.51
1404	1699.51	1713.1	1698.93	1694.84	1702.76	1700.15
1444	1800	1800	1800	1800	1800	1800
1484	1800	1800	1800	1800	1800	1800
1524	1800	1800	1800	1800	1800	1800

# **Pebbling formulas with substitution or of arity 2**

**Pebbling formulas, Gilbert-Tarjan graphs, substitution or 2  
no shuffle, no preprocessing, no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
22	0.000999	0.000999	0.0	0.000999	0.0	0.000999
304	0.123981	0.044993	0.044993	19.3911	0.039993	0.022996
848	0.808877	0.362944	3.86941	476.709	0.26296	0.26296
1512	3.55946	0.810876	2.84257	1511.58	1.09783	0.428934
2384	6.75097	2.15467	12.0262	1800	3.2935	2.18867
2792	9.44956	2.20267	21.2948	1800	2.87456	1.87571
4192	26.9069	5.59615	4.66729	1800	12.0202	5.70313
4456	29.5955	6.06408	6.73398	1800	10.9403	5.45117
6432	50.6643	14.6578	111.898	-	22.3446	6.52101
6696	53.8178	15.7316	413.551	-	23.5244	10.3294
7616	74.4387	17.4693	65.786	-	26.6739	10.6064
7880	78.2001	18.4542	9.00163	-	29.9255	24.7702
11136	208.157	42.6695	34.6677	-	118.886	42.9835
11400	209.305	44.6922	29.7995	-	108.7	12.865
11936	223.936	45.738	27.5358	-	125.544	38.5921
12200	224.03	47.0648	19.716	-	91.2981	10.8543
16736	422.853	105.781	415.961	-	233.543	57.3823
17000	422.29	112.543	961.836	-	187.673	15.5656
17536	428.235	110.655	803.717	-	219.043	16.5915
17800	445.376	113.925	1800	-	201.392	38.9671
19968	613.59	137.553	66.9168	-	248.256	49.2045
20232	630.439	143.845	745.048	-	248.13	22.5686
20768	655.764	141.837	127.444	-	259.209	257.353
21032	662.99	146.068	102.444	-	222.748	31.5312
28576	1762.55	340.403	104.512	-	831.945	130.532
28840	1774.07	358.028	146.674	-	777.599	47.6418
29376	1800	348.479	114.607	-	825.254	150.464
29640	1800	353.728	156.542	-	858.936	49.9034
30848	1800	360.968	875.022	-	727.532	51.8191
31112	1800	386.707	185.274	-	737.029	145.007
31648	-	398.373	690.495	-	708.646	99.3829
31912	-	391.101	176.541	-	735.47	130.759
42272	-	857.88	1027.2	-	1443.295	179.702
42536	-	817.177	624.966	-	1439.06	162.729
43072	-	842.401	1273.53	-	1554.06	51.4902
43336	-	838.319	1631.01	-	1464.76	153.611
44544	-	865.251	1800	-	1479.99	139.34
44808	-	893.603	1800	-	1447.39	138.505
45344	-	910.064	1104.8	-	1387.76	93.0389
45608	-	892.539	1623.02	-	1472.17	67.5837

**Pebbling formulas, Gilbert-Tarjan graphs, substitution or 2  
no shuffle, no preprocessing, clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
22	0.0	0.0	0.000999	0.000999	0.0	0.000999
498	0.287956	0.098984	0.200969	0.877866	0.071989	0.068989
976	0.872867	0.294955	1.17882	2.43163	0.19597	0.137979
2362	5.08923	1.9897	6.81596	16.6395	1.23481	0.766883
2792	7.27389	2.15567	7.68483	22.0726	1.58576	1.2908
4250	20.9878	5.97009	14.6398	72.451	4.73028	1.70974
4536	23.1325	6.17706	3.46347	76.9603	4.45832	1.62275
6674	42.8825	15.3107	22.3256	136.245	8.63969	4.50432
7616	57.6422	17.8013	25.997	221.875	10.3774	3.66844
7938	59.466	19.648	7.14491	212.68	10.7234	5.58015
11216	155.911	44.5362	22.3066	509.573	34.8657	8.93364
11914	171.442	50.4413	18.3902	496.224	30.1514	9.25659
12200	175.524	48.8576	11.2853	494.806	28.6746	9.63953
16794	310.544	107.574	146.146	1007.65	57.1613	25.1562
17080	316.209	104.667	113.049	804.345	56.5274	12.3181
17778	336.414	115.379	150.718	884.596	62.1585	16.3645
19968	458.03	140.819	88.4166	1272.88	76.2654	13.9909
20290	465.905	145.962	58.7981	1277.14	74.4507	15.4806
20848	482.815	153.587	55.5975	1334.98	83.3413	23.3824
28554	1249.56	332.836	111.329	1800	236.127	65.474
28840	1266.49	336.869	89.7544	1800	218.022	33.3789
29434	1295.83	349.213	97.6322	1800	248.342	39.407
29720	1311.6	355.389	70.4003	-	237.034	37.0724
31090	1424.94	372.498	66.5989	-	248.989	41.3757
31648	1483.59	390.527	71.8401	-	247.645	45.859
31970	1488.92	389.955	66.8648	-	251.71	28.2287
42352	1800	810.97	458.352	-	469.001	77.5422
43050	1800	832.757	483.156	-	454.084	54.2937
43336	1800	836.698	495.323	-	468.61	54.0008
44602	-	862.362	762.36	-	460.566	56.0605
44888	-	883.334	567.668	-	491.996	55.6745
45586	-	889.304	869.57	-	490.661	49.7744
50720	-	1198.03	361.067	-	652.232	100.068
51042	-	1210.17	437.809	-	677.25	101.924
51600	-	1253.57	416.474	-	653.788	129.628
52970	-	1257.17	348.084	-	656.681	131.818
53256	-	1248.96	218.221	-	660.797	127.206
53850	-	1300.8	244.323	-	659.819	108.698
54136	-	1300.73	427.884	-	642.242	88.6505
71570	-	1800	404.551	-	1777.87	281.99

**Pebbling formulas, Gilbert-Tarjan graphs, substitution or 2  
shuffle, no preprocessing, no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
22	0.000999	0.000999	0.000999	0.000999	0.000999	0.0
304	0.131979	0.042993	0.05999	12.7201	0.041993	0.024996
848	0.810876	0.381941	0.681896	201.844	0.376942	0.165974
1512	3.59845	0.714891	1.17382	1136.62	1.00885	0.554915
2384	6.97594	2.17667	26.491	1800	2.95555	1.09083
2792	9.1996	2.19667	21.4187	1800	3.39448	1.38679
4192	28.3157	5.65114	7.44987	1800	11.0753	5.40718
4456	29.5435	6.14407	17.3014	1800	12.3111	3.15752
6432	53.7178	15.8406	586.548	-	24.2793	8.13276
6696	55.7065	16.4435	341.033	-	22.0866	5.36118
7616	76.0044	19.596	24.1633	-	34.1488	4.5833
7880	76.6164	18.9461	82.4565	-	33.2739	38.0602
11136	214.286	46.4699	181.915	-	122.69	45.974
11400	217.14	46.105	20.8638	-	129.812	22.1126
11936	232.8	48.6656	29.2636	-	108.415	124.042
12200	236.07	51.0862	14.0379	-	96.6753	16.3745
16736	441.876	109.894	255.692	-	230.627	15.5876
17000	450.8	115.329	289.763	-	255.046	17.2684
17536	459.666	119.048	1800	-	217.994	17.9893
17800	473.019	126.938	535.347	-	198.349	25.7301
19968	661.536	143.999	655.472	-	302.026	46.199
20232	680.184	150.432	986.415	-	249.37	17.4503
20768	702.07	154.421	527.867	-	249.493	419.559
21032	695.747	153.768	108.022	-	249.29	273.708
28576	1800	374.732	877.142	-	903.38	94.2327
28840	1800	372.184	1676.49	-	903.461	58.4781
29376	1800	377.558	308.173	-	893.397	53.6418
29640	-	383.69	141.69	-	856.414	54.8377
30848	-	424.299	298.727	-	855.677	212.575
31112	-	419.03	904.366	-	859.833	95.4345
31648	-	433.117	175.432	-	800.573	782.211
31912	-	431.403	153.612	-	798.34	83.9682
42272	-	889.966	912.844	-	1606.19	284.309
42536	-	906.42	1800	-	1501.375	235.496
43072	-	930.709	1598.62	-	1528.87	186.69
43336	-	922.426	1800	-	1561.49	71.9401
44544	-	940.376	1800	-	1699.33	531.667
44808	-	976.569	1800	-	1568.47	121.246
45344	-	986.47	-	-	1525.35	206.895
45608	-	995.887	-	-	1655.81	59.226

**Pebbling formulas, Gilbert-Tarjan graphs, substitution or 2  
shuffle, no preprocessing, clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
22	0.000999	0.000999	0.0	0.0	0.000999	0.0
498	0.287956	0.094985	0.223965	0.773882	0.102984	0.087986
976	0.84887	0.272958	0.571913	2.68259	0.176973	0.173973
2362	5.19821	2.08068	6.76097	15.9196	1.17182	1.17982
2792	7.2439	2.17767	7.8638	23.5574	1.88771	1.79273
4250	21.8797	6.38203	9.24359	75.3036	4.32934	4.04938
4536	22.7405	6.48401	4.54431	77.4222	3.80042	1.79573
6674	42.4645	15.2997	29.5465	155.061	7.95979	4.51331
7616	58.5361	18.6732	17.7023	214.676	11.1553	5.2522
7938	62.3375	17.4234	7.83081	221.23	11.7452	5.78812
11216	166.886	48.9626	25.4711	521.821	35.3596	9.78051
11914	175.63	50.0034	25.7481	511.814	33.5379	12.92
12200	181.063	54.0518	21.9707	523.06	33.3059	10.5054
16794	326.479	111.997	136.705	835.297	62.5185	11.6362
17080	328.958	114.653	126.779	871.574	59.5739	18.0763
17778	351.886	116.899	134.534	868.174	64.6272	11.9302
19968	476.77	148.516	98.547	1368.02	87.0018	23.8774
20290	491.946	152.377	92.9059	1411.71	84.9481	29.2985
20848	504.944	165.308	57.8072	1378.34	82.8114	19.94
28554	1316.5	365.938	110.648	1800	248.016	50.9113
28840	1340.33	385.429	102.897	1800	254.759	33.4169
29434	1388.73	384.983	127.34	1800	262.964	46.245
29720	1390.98	385.898	88.8325	-	274.096	40.2009
31090	1523.37	403.192	100.258	-	262.259	45.833
31648	1556.3	417.295	92.322	-	265.602	72.616
31970	1581.05	432.664	123.557	-	267.641	45.0172
42352	1800	877.646	458.18	-	492.627	82.9184
43050	1800	894.62	549.466	-	508.233	157.296
43336	1800	902.964	712.905	-	490.391	56.0665
44602	-	927.609	870.397	-	498.519	53.1949
44888	-	959.487	666.249	-	518.886	51.3862
45586	-	978.446	660.479	-	537.233	57.6472
50720	-	1282.06	477.155	-	713.766	142.433
51042	-	1324.2	547.245	-	670.444	121.04
51600	-	1303.46	621.656	-	705.449	164.501
52970	-	1368.93	490.806	-	662.48	284.998
53256	-	1355.29	365.77	-	681.036	115.328
53850	-	1371.15	276.854	-	739.606	135.418
54136	-	1428.22	400.644	-	698.827	132.806
71570	-	1800	656.13	-	1800	407.934



Pebbling formulas, Gilbert-Tarjan graphs, substitution or 2  
no shuffle, preprocessing, no clause removal  
CPU time expressed in seconds

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
22	0.0	0.000999	0.0	0.0	0.000999	0.000999
304	0.001999	0.002999	0.002999	0.001999	0.002999	0.001999
848	0.006998	0.006998	0.006998	0.006998	0.006998	0.006998
1512	0.008998	0.008998	0.008998	0.009998	0.008998	0.009998
2384	0.019996	0.020996	0.019996	0.019996	0.018997	0.018997
2792	0.018997	0.019996	0.019996	0.019996	0.019996	0.019996
4192	0.026995	0.024996	0.025996	0.026995	0.026995	0.025996
4456	0.026995	0.027995	0.026995	0.026995	0.026995	0.025996
6432	0.053991	0.052991	0.052991	0.052991	0.052991	0.054991
6696	0.053991	0.053991	0.053991	0.054991	0.053991	0.053991
7616	0.052991	0.049992	0.051992	0.052991	0.051992	0.053991
7880	0.051992	0.053991	0.052991	0.052991	0.054991	0.053991
11136	0.070989	0.069989	0.069989	0.069989	0.069989	0.070989
11400	0.067989	0.068989	0.068989	0.066989	0.071989	0.070989
11936	0.070989	0.070989	0.070989	0.070989	0.071989	0.071989
12200	0.072988	0.075988	0.072988	0.072988	0.074988	0.073988
16736	0.140978	0.138978	0.141978	0.142978	0.140978	0.144977
17000	0.142978	0.141978	0.139978	0.141978	0.143978	0.144977
17536	0.140978	0.143978	0.147977	0.143978	0.146977	0.145977
17800	0.146977	0.145977	0.145977	0.146977	0.147977	0.146977
19968	0.142978	0.144977	0.141978	0.144977	0.144977	0.142978
20232	0.146977	0.146977	0.145977	0.144977	0.147977	0.146977
20768	0.143978	0.145977	0.145977	0.148977	0.143978	0.144977
21032	0.144977	0.145977	0.145977	0.148977	0.143978	0.149977
28576	0.19197	0.187971	0.19097	0.189971	0.19497	0.19297
28840	0.19197	0.19197	0.19097	0.19397	0.19397	0.19697
29376	0.19497	0.197969	0.19597	0.19397	0.19497	0.19597
29640	0.19097	0.19597	0.19197	0.198969	0.19697	0.19497
30848	0.204968	0.207968	0.201969	0.205968	0.203968	0.202969
31112	0.205968	0.210967	0.207968	0.206968	0.205968	0.208968
31648	0.205968	0.209968	0.207968	0.207968	0.209968	0.210967
31912	0.210967	0.211967	0.209968	0.210967	0.214967	0.210967
42272	0.379942	0.380942	0.381941	0.381941	0.382941	0.385941
42536	0.375942	0.379942	0.377942	0.377942	0.383941	0.378942
43072	0.382941	0.383941	0.386941	0.38894	0.381941	0.38994
43336	0.380942	0.39094	0.386941	0.38894	0.39194	0.39094
44544	0.39094	0.396939	0.395939	0.394939	0.396939	0.402938
44808	0.39094	0.398939	0.401938	0.399939	0.400939	0.399939
45344	0.400939	0.404938	0.401938	0.401938	0.400939	0.404938
45608	0.396939	0.404938	0.402938	0.401938	0.404938	0.405938

**Pebbling formulas, Gilbert-Tarjan graphs, substitution or 2  
no shuffle, preprocessing, clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
22	0.000999	0.0	0.0	0.000999	0.0	0.0
498	0.002999	0.002999	0.002999	0.002999	0.002999	0.002999
976	0.006998	0.006998	0.006998	0.005999	0.006998	0.006998
2362	0.019996	0.020996	0.019996	0.019996	0.018997	0.018997
2792	0.019996	0.018997	0.018997	0.018997	0.019996	0.018997
4250	0.026995	0.025996	0.025996	0.025996	0.025996	0.025996
4536	0.027995	0.024996	0.028995	0.026995	0.027995	0.027995
6674	0.053991	0.055991	0.054991	0.056991	0.055991	0.052991
7616	0.051992	0.051992	0.051992	0.053991	0.053991	0.052991
7938	0.053991	0.051992	0.053991	0.052991	0.050992	0.051992
11216	0.069989	0.069989	0.070989	0.070989	0.071989	0.069989
11914	0.071989	0.072988	0.069989	0.072988	0.070989	0.071989
12200	0.073988	0.073988	0.074988	0.074988	0.074988	0.072988
16794	0.138978	0.138978	0.144977	0.141978	0.142978	0.139978
17080	0.145977	0.140978	0.141978	0.141978	0.140978	0.141978
17778	0.146977	0.145977	0.148977	0.147977	0.144977	0.146977
19968	0.142978	0.144977	0.141978	0.143978	0.144977	0.142978
20290	0.144977	0.141978	0.145977	0.145977	0.144977	0.144977
20848	0.147977	0.146977	0.146977	0.143978	0.146977	0.142978
28554	0.185971	0.187971	0.188971	0.19097	0.19097	0.186971
28840	0.19097	0.19197	0.19497	0.19297	0.19297	0.19397
29434	0.19597	0.19497	0.19197	0.19397	0.19597	0.19497
29720	0.19597	0.19397	0.19697	0.198969	0.19297	0.19497
31090	0.205968	0.203968	0.203968	0.203968	0.201969	0.206968
31648	0.206968	0.212967	0.211967	0.209968	0.208968	0.207968
31970	0.213967	0.213967	0.213967	0.214967	0.210967	0.211967
42352	0.377942	0.379942	0.380942	0.381941	0.382941	0.379942
43050	0.386941	0.38894	0.380942	0.385941	0.382941	0.387941
43336	0.39194	0.387941	0.382941	0.38894	0.38894	0.387941
44602	0.403938	0.39394	0.39394	0.401938	0.396939	0.397939
44888	0.398939	0.39394	0.39394	0.395939	0.397939	0.397939
45586	0.400939	0.400939	0.400939	0.400939	0.395939	0.399939
50720	0.398939	0.39194	0.39094	0.398939	0.394939	0.398939
51042	0.39394	0.394939	0.398939	0.39194	0.396939	0.394939
51600	0.402938	0.399939	0.402938	0.408937	0.403938	0.402938
52970	0.409937	0.402938	0.402938	0.404938	0.411937	0.405938
53256	0.405938	0.398939	0.401938	0.404938	0.403938	0.401938
53850	0.407937	0.404938	0.404938	0.409937	0.406938	0.410937
54136	0.407937	0.407937	0.408937	0.412937	0.407937	0.407937
71570	0.526919	0.518921	0.516921	0.528919	0.527919	0.517921

Pebbling formulas, Gilbert-Tarjan graphs, substitution or 2  
shuffle, preprocessing, no clause removal  
CPU time expressed in seconds

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
22	0.0	0.000999	0.000999	0.0	0.000999	0.000999
304	0.002999	0.002999	0.001999	0.001999	0.000999	0.001999
848	0.007998	0.006998	0.006998	0.007998	0.006998	0.006998
1512	0.009998	0.009998	0.009998	0.009998	0.008998	0.008998
2384	0.022996	0.022996	0.021996	0.022996	0.021996	0.022996
2792	0.021996	0.021996	0.019996	0.021996	0.021996	0.021996
4192	0.028995	0.029995	0.029995	0.029995	0.028995	0.029995
4456	0.030995	0.030995	0.030995	0.030995	0.029995	0.029995
6432	0.06299	0.06199	0.06199	0.06299	0.06199	0.06199
6696	0.06399	0.06299	0.06399	0.06499	0.06099	0.06399
7616	0.06499	0.06299	0.06399	0.06399	0.06399	0.06299
7880	0.06299	0.06299	0.06299	0.06399	0.06499	0.06499
11136	0.086986	0.084987	0.084987	0.086986	0.086986	0.085986
11400	0.089986	0.089986	0.087986	0.089986	0.091986	0.084987
11936	0.089986	0.088986	0.088986	0.087986	0.089986	0.086986
12200	0.095985	0.091986	0.091986	0.093985	0.090986	0.093985
16736	0.179972	0.181972	0.181972	0.180972	0.176973	0.178972
17000	0.181972	0.179972	0.182972	0.183972	0.184971	0.181972
17536	0.189971	0.189971	0.189971	0.185971	0.189971	0.19097
17800	0.189971	0.19097	0.189971	0.187971	0.19397	0.19097
19968	0.19397	0.19397	0.19097	0.19397	0.19697	0.19297
20232	0.197969	0.197969	0.19697	0.19397	0.198969	0.19697
20768	0.198969	0.198969	0.197969	0.19597	0.201969	0.19697
21032	0.198969	0.203968	0.200969	0.200969	0.200969	0.205968
28576	0.285956	0.277957	0.276957	0.281957	0.282956	0.280957
28840	0.283956	0.279957	0.282956	0.283956	0.282956	0.280957
29376	0.286956	0.287956	0.287956	0.283956	0.288956	0.282956
29640	0.294955	0.296954	0.293955	0.289955	0.291955	0.296954
30848	0.302953	0.301954	0.303953	0.300954	0.303953	0.307953
31112	0.303953	0.305953	0.308953	0.308953	0.308953	0.309952
31648	0.313952	0.310952	0.314952	0.309952	0.316951	0.313952
31912	0.314952	0.312952	0.318951	0.314952	0.315951	0.318951
42272	0.576912	0.571913	0.574912	0.575912	0.575912	0.582911
42536	0.581911	0.577912	0.578911	0.578911	0.580911	0.582911
43072	0.58791	0.584911	0.584911	0.58791	0.58791	0.58891
43336	0.594909	0.59091	0.595909	0.58991	0.58991	0.597909
44544	0.611906	0.602908	0.611906	0.608907	0.615906	0.614906
44808	0.612906	0.612906	0.617906	0.611906	0.621905	0.617906
45344	0.620905	0.615906	0.617906	0.612906	0.620905	0.618905
45608	0.623905	0.623905	0.623905	0.613906	0.621905	0.625904

**Pebbling formulas, Gilbert-Tarjan graphs, substitution or 2  
shuffle, preprocessing, clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
22	0.0	0.0	0.0	0.000999	0.000999	0.0
498	0.003999	0.002999	0.002999	0.003999	0.002999	0.002999
976	0.007998	0.006998	0.006998	0.006998	0.006998	0.006998
2362	0.020996	0.020996	0.022996	0.020996	0.020996	0.020996
2792	0.021996	0.021996	0.021996	0.021996	0.021996	0.022996
4250	0.028995	0.028995	0.029995	0.029995	0.028995	0.027995
4536	0.031995	0.031995	0.030995	0.030995	0.032994	0.032994
6674	0.06399	0.06499	0.06299	0.06499	0.06399	0.06399
7616	0.06399	0.06299	0.06299	0.06099	0.06299	0.06399
7938	0.067989	0.06299	0.06299	0.06399	0.06399	0.06399
11216	0.087986	0.086986	0.084987	0.088986	0.085986	0.083987
11914	0.090986	0.089986	0.087986	0.089986	0.089986	0.089986
12200	0.092985	0.092985	0.090986	0.089986	0.089986	0.093985
16794	0.184971	0.182972	0.177972	0.181972	0.181972	0.178972
17080	0.183972	0.182972	0.183972	0.180972	0.182972	0.181972
17778	0.19197	0.19197	0.189971	0.19197	0.19197	0.19197
19968	0.189971	0.188971	0.19397	0.19397	0.19397	0.19097
20290	0.197969	0.19697	0.197969	0.19597	0.19397	0.19697
20848	0.198969	0.19697	0.197969	0.199969	0.200969	0.197969
28554	0.279957	0.276957	0.280957	0.278957	0.280957	0.275958
28840	0.283956	0.287956	0.283956	0.283956	0.283956	0.287956
29434	0.288956	0.289955	0.288956	0.290955	0.291955	0.290955
29720	0.290955	0.290955	0.291955	0.291955	0.290955	0.296954
31090	0.308953	0.306953	0.307953	0.306953	0.304953	0.308953
31648	0.311952	0.316951	0.317951	0.314952	0.314952	0.315951
31970	0.314952	0.313952	0.318951	0.314952	0.316951	0.314952
42352	0.575912	0.573912	0.575912	0.576912	0.570913	0.574912
43050	0.584911	0.58591	0.583911	0.58991	0.583911	0.58691
43336	0.59091	0.58991	0.58991	0.592909	0.59191	0.58791
44602	0.613906	0.608907	0.606907	0.613906	0.608907	0.604908
44888	0.608907	0.606907	0.608907	0.614906	0.615906	0.612906
45586	0.624905	0.621905	0.619905	0.619905	0.621905	0.621905
50720	0.647901	0.645901	0.641902	0.643902	0.646901	0.640902
51042	0.6529	0.648901	0.6549	0.650901	0.647901	0.6529
51600	0.658899	0.6559	0.659899	0.6539	0.6519	0.660899
52970	0.671897	0.674897	0.672897	0.667898	0.671897	0.669898
53256	0.673897	0.675897	0.674897	0.667898	0.671897	0.675897
53850	0.672897	0.681896	0.681896	0.672897	0.680896	0.679896
54136	0.671897	0.670898	0.668898	0.676897	0.673897	0.671897
71570	0.91986	0.922859	0.922859	0.925859	0.91986	0.930858

**Pebbling formulas, pyramid graphs, substitution or 2  
no shuffle, no preprocessing, no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
20	0.000999	0.0	0.000999	0.000999	0.0	0.0
182	0.031995	0.011998	0.013997	0.218966	0.004999	0.003999
506	0.165974	0.068989	0.090986	3.58745	0.043993	0.026995
992	0.507922	0.19297	0.248962	8.29174	0.170974	0.082987
1640	1.16382	0.437933	0.534918	20.6959	0.486925	0.236963
2450	2.42263	0.842871	1.00385	32.3251	1.03684	0.402938
3422	4.36534	1.40179	1.74174	37.9322	2.40663	0.581911
4556	7.10592	2.33264	2.49962	65.911	3.70244	1.22881
5852	11.0053	3.57546	3.65444	73.2649	6.30704	1.78873
7310	16.2995	5.20321	4.91625	101.561	10.6864	2.51562
8930	23.7754	7.46286	6.32004	90.8372	16.4885	3.15352
10712	33.4509	10.0695	7.73682	132.187	23.6434	8.26674
12656	45.3481	13.7079	10.5474	110.523	32.2021	7.07992
14762	58.992	18.3922	14.3748	155.778	45.903	9.63254
17030	77.1283	23.4344	13.253	189.532	57.1633	56.5874
19460	101.618	29.6475	19.1741	197.122	79.202	26.9989
22052	125.811	36.7124	21.9927	285.552	102.774	17.2864
24806	158.58	46.143	34.3938	338.737	129.359	143.103
27722	198.147	56.5174	28.3067	417.012	170.677	50.6603
30800	246.869	69.3055	42.3306	452.681	201.416	49.1715
34040	304.904	87.3087	48.3606	436.084	253.674	131.026
37442	375.019	103.7	44.2333	503.698	320.944	172.36
41006	452.613	125.041	45.995	642.107	348.905	119.305
44732	534.23	149.185	76.5654	761.783	423.815	147.052
48620	645.673	176.329	98.0651	820.803	513.51	303.371
52670	758.191	204.079	91.2431	996.54	585.021	281.587
56882	895.226	241.236	93.7567	1060.28	663.961	560.723
61256	1038.64	282.662	101.209	1172.97	733.07	551.487
65792	1198.66	325.598	150.046	1497.37	880.122	1800
70490	1374.44	381.253	177.598	1578.01	1021.79	1800
75350	1605.82	437.536	151.821	1641.465	1200.19	1800
80372	1800	487.284	201.429	1800	1284.44	-
85556	1800	558.488	234.471	1800	1515.41	-
90902	1800	628.738	261.034	1800	1657.04	-
96410	1800	704.31	264.817	1800	1786.5	-
102080	-	794.554	298.797	-	1800	-
107912	-	893.734	392.729	-	1800	-
113906	-	984.801	549.933	-	1800	-
120062	-	1111.91	509.273	-	-	-
126380	-	1215.16	510.369	-	-	-

**Pebbling formulas, pyramid graphs, substitution or 2  
no shuffle, no preprocessing, clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
20	0.0	0.0	0.0	0.000999	0.0	0.000999
182	0.020996	0.012998	0.012998	0.026995	0.007998	0.005999
506	0.12698	0.065989	0.096985	0.248962	0.038994	0.041993
992	0.396939	0.186971	0.25896	0.663899	0.132979	0.082987
1640	1.08983	0.432934	0.529919	1.51777	0.317951	0.226965
2450	2.21366	0.800878	1.02184	3.20651	0.671897	0.371943
3422	4.09638	1.38579	1.57576	6.05608	1.19182	0.533918
4556	6.90695	2.22266	2.56961	9.99348	2.03069	1.3318
5852	10.6284	3.47447	3.56746	17.4653	3.45248	2.16967
7310	16.0346	5.15622	4.84626	24.1873	5.51316	2.22466
8930	23.2055	7.29889	6.50801	33.9098	8.18975	3.36549
10712	32.784	10.1245	8.35273	48.1597	11.6982	8.31274
12656	43.6414	13.4849	10.7024	69.3945	16.8084	5.47717
14762	58.8231	18.2652	14.1349	79.5859	20.7768	8.74867
17030	77.1343	23.5794	14.8307	97.9871	28.2937	7.61884
19460	97.7191	29.3535	17.6823	129.871	38.4742	14.9577
22052	123.612	36.3235	22.7115	140.176	49.9094	12.6841
24806	156.015	45.797	38.6361	166.03	63.8303	18.1972
27722	195.572	55.9735	39.307	208.474	81.9015	22.4346
30800	245.239	69.2945	28.7456	252.653	96.8253	33.7329
34040	300.745	86.1199	41.0358	310.692	127.272	31.5522
37442	375.766	104.016	44.7112	392.564	155.552	32.93
41006	449.888	124.874	54.4647	505.806	180.119	55.7645
44732	537.054	149.115	92.378	590.7	229.098	68.0627
48620	647.323	176.838	108.363	631.745	275.263	85.658
52670	763.379	204.627	101.201	694.508	310.986	86.9208
56882	895.158	241.615	114.013	883.791	364.667	93.8107
61256	1042.73	281.615	114.467	960.933	428.097	118.202
65792	1205.19	327.356	184.461	1193.59	520.044	131.621
70490	1380.95	382.577	193.263	1330.04	576.579	171.835
75350	1611.59	437.132	175.692	1350.21	646.687	219.47
80372	1800	489.598	172.584	1611.99	765.645	233.266
85556	1800	558.628	315.611	1772.32	923.215	298.207
90902	1800	631.209	290.254	1800	981.798	308.969
96410	-	706.602	365.389	1800	1081.04	352.398
102080	-	800.116	431.608	1800	1267.71	381.958
107912	-	896.02	537.518	-	1440.82	573.752
113906	-	988.097	485.72	-	1620.785	494.618
120062	-	1111.8	727.732	-	1800	638.529
126380	-	1219.03	594.779	-	1800	681.604

**Pebbling formulas, pyramid graphs, substitution or 2  
shuffle, no preprocessing, no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
20	0.0	0.0	0.000999	0.0	0.000999	0.000999
182	0.027995	0.011998	0.009998	0.139978	0.005999	0.009998
506	0.179972	0.068989	0.072988	3.67044	0.048992	0.043993
992	0.527919	0.198969	0.227965	12.6971	0.168974	0.094985
1640	1.19582	0.438933	0.504923	24.4653	0.571913	0.200969
2450	2.52062	0.863868	0.952855	23.2215	1.05284	0.483926
3422	4.45232	1.44278	1.55176	33.9998	2.14667	0.604908
4556	7.34588	2.26765	2.24966	35.0017	3.98439	2.10668
5852	11.3963	3.64745	3.44348	66.7259	6.79997	1.76673
7310	17.3974	5.29519	4.83826	84.5102	10.4234	2.74658
8930	24.8362	7.79681	6.50801	106.863	16.1245	3.38348
10712	34.3378	10.6624	8.5677	117.352	24.9022	11.8512
12656	46.6179	14.0009	10.3854	158.443	34.4928	12.0952
14762	62.2665	18.3542	14.0579	132.266	50.0154	22.2076
17030	82.6124	24.6772	17.1094	203.289	65.921	13.7649
19460	104.644	30.9683	20.2829	217.488	85.693	26.8719
22052	132.298	39.425	23.2885	228.991	112.529	26.245
24806	168.073	49.6445	28.6156	310.444	141.122	170.399
27722	210.863	61.6156	36.6054	330.558	171.32	86.5058
30800	266.291	74.2087	42.9905	570.253	215.592	136.192
34040	328.498	95.2515	47.7887	558.86	254.307	117.8
37442	402.2	113.294	55.0796	529.313	305.091	321.268
41006	490.311	134.804	64.7742	709.687	391.428	347.538
44732	580.224	163.516	75.3066	713.707	443.312	539.819
48620	694.788	191.266	93.3388	891.541	516.431	463.183
52670	819.101	224.16	104.633	1055.85	641.166	1078.93
56882	963.761	262.018	121.909	1092.54	728.765	1800
61256	1131.06	312.459	143.124	1279.01	819.207	954.176
65792	1317.65	359.947	155.609	1320.04	921.09	568.379
70490	1515.22	413.31	182.862	1507.56	1119.25	1230.13
75350	1730.22	473.274	216.112	1800	1263.27	994.713
80372	1800	538.27	216.041	1800	1390.28	1800
85556	1800	621.277	292.749	1800	1546.36	1800
90902	1800	702.121	313.494	1800	1739.91	1800
96410	-	784.019	390.467	1800	1800	-
102080	-	876.963	384.742	-	1800	-
107912	-	976.231	570.03	-	1800	-
113906	-	1087.6	511.637	-	-	-
120062	-	1204.41	522.574	-	-	-
126380	-	1356.19	648.502	-	-	-

**Pebbling formulas, pyramid graphs, substitution or 2  
shuffle, no preprocessing, clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
20	0.000999	0.0	0.000999	0.0	0.000999	0.0
182	0.016997	0.012998	0.013997	0.034994	0.006998	0.005999
506	0.122981	0.065989	0.074988	0.179972	0.042993	0.026995
992	0.444932	0.19097	0.244962	0.605907	0.13098	0.077988
1640	1.10483	0.420936	0.488925	1.44378	0.304953	0.353946
2450	2.23166	0.810876	0.943856	3.2635	0.745886	0.372943
3422	4.08138	1.40779	1.51877	6.39303	1.12183	0.620905
4556	6.80896	2.27165	2.28865	11.3193	2.25766	1.3188
5852	11.0643	3.63945	3.33949	17.1524	3.71344	1.86072
7310	16.8044	5.13222	4.86926	25.0222	5.68214	2.43363
8930	23.8804	7.58685	6.597	36.4275	8.35873	2.90156
10712	33.5279	10.2784	8.70368	52.478	13.365	6.38403
12656	45.775	13.8709	10.7144	60.9697	16.7075	7.11692
14762	61.0817	18.3922	16.1355	84.0012	22.2396	8.66868
17030	79.7889	24.4563	16.7794	107.025	29.5355	10.8504
19460	103.486	30.9143	20.8518	126.367	40.7938	12.2701
22052	131.618	39.673	23.3554	155.59	53.2309	19.618
24806	163.797	48.9896	29.9185	181.665	67.8617	22.4736
27722	209.652	61.4887	35.8036	244.729	86.2399	27.1369
30800	264.976	73.5818	44.3853	283.54	104.375	35.4346
34040	320.522	93.6968	47.2788	362.186	135.738	32.3001
37442	396.36	113.158	55.6955	438.994	164.216	43.5114
41006	487.672	134.506	63.1874	533.337	192.355	62.0006
44732	580.482	164.164	78.91	603.461	236.219	70.8022
48620	693.08	191.382	93.9957	736.28	288.637	87.2377
52670	814.37	225.748	112.746	783.495	333.057	96.6503
56882	961.697	262.161	125.189	900.537	389.001	118.614
61256	1123.08	313.852	132.752	1101.31	464.123	132.163
65792	1308.39	362.92	164.135	1275.8	562.371	155.949
70490	1507.91	414.653	166.942	1365.26	620.06	219.181
75350	1726.11	475.78	245.302	1555.88	707.677	237.348
80372	1800	540.124	250.154	1800	828.972	279.04
85556	1800	624.968	254.519	1800	992.12	317.867
90902	1800	704.768	291.229	1800	1026.15	327.37
96410	-	786.303	467.213	1800	1166.8	374.54
102080	-	882.025	417.592	-	1355.34	471.182
107912	-	979.437	579.525	-	1553.62	567.44
113906	-	1095.59	499.088	-	1757.94	586.546
120062	-	1206.9	548.121	-	1800	642.348
126380	-	1365.66	751.21	-	1800	724.638



**Pebbling formulas, pyramid graphs, substitution or 2  
no shuffle, preprocessing, no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
20	0.000999	0.000999	0.0	0.0	0.0	0.000999
182	0.001999	0.001999	0.000999	0.001999	0.000999	0.000999
506	0.002999	0.002999	0.002999	0.001999	0.002999	0.002999
992	0.004999	0.004999	0.004999	0.003999	0.004999	0.004999
1640	0.009998	0.008998	0.008998	0.008998	0.007998	0.007998
2450	0.013997	0.013997	0.013997	0.013997	0.013997	0.013997
3422	0.018997	0.019996	0.018997	0.019996	0.018997	0.018997
4556	0.025996	0.026995	0.025996	0.025996	0.025996	0.025996
5852	0.031995	0.032994	0.032994	0.031995	0.032994	0.032994
7310	0.039993	0.040993	0.040993	0.042993	0.040993	0.038994
8930	0.050992	0.051992	0.050992	0.050992	0.049992	0.049992
10712	0.05999	0.06099	0.058991	0.06099	0.057991	0.05999
12656	0.071989	0.071989	0.071989	0.074988	0.071989	0.073988
14762	0.083987	0.082987	0.084987	0.083987	0.083987	0.086986
17030	0.099984	0.096985	0.099984	0.096985	0.097985	0.098984
19460	0.116982	0.115982	0.110983	0.111982	0.109983	0.115982
22052	0.12998	0.13098	0.131979	0.131979	0.12998	0.133979
24806	0.150977	0.153976	0.147977	0.151976	0.148977	0.153976
27722	0.171973	0.168974	0.165974	0.168974	0.167974	0.170974
30800	0.19097	0.189971	0.187971	0.19097	0.19097	0.188971
34040	0.214967	0.213967	0.212967	0.211967	0.212967	0.215967
37442	0.237963	0.234964	0.238963	0.238963	0.237963	0.237963
41006	0.264959	0.263959	0.26096	0.265959	0.26096	0.26096
44732	0.285956	0.285956	0.284956	0.285956	0.285956	0.288956
48620	0.320951	0.317951	0.316951	0.314952	0.315951	0.319951
52670	0.349946	0.347947	0.349946	0.349946	0.345947	0.353946
56882	0.371943	0.373943	0.375942	0.371943	0.371943	0.373943
61256	0.402938	0.405938	0.405938	0.399939	0.403938	0.402938
65792	0.427934	0.430934	0.431934	0.434933	0.427934	0.433934
70490	0.474927	0.477927	0.473927	0.469928	0.461929	0.472928
75350	0.510922	0.508922	0.506922	0.509922	0.499924	0.508922
80372	0.547916	0.541917	0.537918	0.547916	0.537918	0.548916
85556	0.58791	0.58991	0.580911	0.584911	0.578911	0.580911
90902	0.613906	0.618905	0.616906	0.626904	0.611906	0.615906
96410	0.659899	0.659899	0.6549	0.663899	0.657899	0.657899
102080	0.693894	0.696894	0.701893	0.697893	0.697893	0.704892
107912	0.747886	0.742887	0.739887	0.748886	0.738887	0.746886
113906	0.793879	0.78888	0.78788	0.78388	0.78888	0.795879
120062	0.833873	0.833873	0.835872	0.833873	0.836872	0.827874
126380	0.889864	0.889864	0.884865	0.886865	0.890864	0.890864

**Pebbling formulas, pyramid graphs, substitution or 2  
no shuffle, preprocessing, clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
20	0.000999	0.0	0.0	0.0	0.0	0.000999
182	0.000999	0.000999	0.000999	0.000999	0.000999	0.000999
506	0.001999	0.002999	0.003999	0.002999	0.002999	0.002999
992	0.005999	0.004999	0.005999	0.004999	0.004999	0.004999
1640	0.008998	0.008998	0.009998	0.008998	0.008998	0.007998
2450	0.012998	0.013997	0.013997	0.014997	0.013997	0.013997
3422	0.019996	0.018997	0.018997	0.018997	0.017997	0.018997
4556	0.026995	0.026995	0.025996	0.024996	0.024996	0.025996
5852	0.032994	0.031995	0.031995	0.032994	0.031995	0.032994
7310	0.039993	0.040993	0.041993	0.041993	0.040993	0.041993
8930	0.048992	0.049992	0.049992	0.049992	0.049992	0.051992
10712	0.06099	0.06199	0.06099	0.058991	0.06199	0.06199
12656	0.070989	0.073988	0.072988	0.069989	0.070989	0.071989
14762	0.083987	0.083987	0.083987	0.080987	0.084987	0.086986
17030	0.097985	0.098984	0.099984	0.099984	0.096985	0.096985
19460	0.113982	0.113982	0.111982	0.112982	0.116982	0.112982
22052	0.13098	0.131979	0.13098	0.13098	0.132979	0.13098
24806	0.150977	0.148977	0.153976	0.149977	0.148977	0.147977
27722	0.167974	0.169974	0.167974	0.166974	0.166974	0.167974
30800	0.19097	0.189971	0.187971	0.189971	0.187971	0.19097
34040	0.212967	0.215967	0.213967	0.212967	0.211967	0.213967
37442	0.239963	0.241963	0.238963	0.236963	0.240963	0.242963
41006	0.26296	0.26296	0.26296	0.26196	0.26196	0.26196
44732	0.280957	0.289955	0.287956	0.278957	0.285956	0.288956
48620	0.317951	0.320951	0.313952	0.312952	0.315951	0.316951
52670	0.350946	0.352946	0.349946	0.347947	0.347947	0.349946
56882	0.376942	0.375942	0.376942	0.372943	0.374943	0.371943
61256	0.406938	0.404938	0.404938	0.404938	0.403938	0.402938
65792	0.435933	0.431934	0.434933	0.437933	0.434933	0.429934
70490	0.467928	0.473927	0.471928	0.472928	0.464929	0.475927
75350	0.507922	0.507922	0.506922	0.504923	0.505923	0.505923
80372	0.537918	0.543917	0.541917	0.547916	0.540917	0.539917
85556	0.580911	0.582911	0.578911	0.578911	0.583911	0.580911
90902	0.610907	0.613906	0.619905	0.622905	0.612906	0.615906
96410	0.649901	0.661899	0.659899	0.660899	0.6549	0.660899
102080	0.695894	0.691894	0.682896	0.696894	0.701893	0.698893
107912	0.745886	0.736887	0.748886	0.740887	0.741887	0.741887
113906	0.790879	0.78888	0.791879	0.792879	0.78888	0.801878
120062	0.826874	0.833873	0.827874	0.832873	0.833873	0.828873
126380	0.884865	0.885865	0.887865	0.885865	0.882865	0.883865

**Pebbling formulas, pyramid graphs, substitution or 2  
shuffle, preprocessing, no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
20	0.000999	0.0	0.0	0.0	0.0	0.0
182	0.000999	0.000999	0.000999	0.001999	0.000999	0.000999
506	0.002999	0.002999	0.001999	0.002999	0.003999	0.003999
992	0.005999	0.005999	0.005999	0.005999	0.005999	0.005999
1640	0.010998	0.009998	0.009998	0.009998	0.009998	0.010998
2450	0.014997	0.013997	0.015997	0.015997	0.015997	0.014997
3422	0.021996	0.021996	0.020996	0.021996	0.020996	0.022996
4556	0.030995	0.030995	0.028995	0.029995	0.030995	0.029995
5852	0.040993	0.037994	0.038994	0.040993	0.039993	0.041993
7310	0.050992	0.050992	0.050992	0.047992	0.050992	0.051992
8930	0.06199	0.06199	0.05999	0.06199	0.06399	0.06299
10712	0.073988	0.075988	0.076988	0.076988	0.079987	0.078987
12656	0.092985	0.092985	0.093985	0.094985	0.092985	0.092985
14762	0.111982	0.110983	0.111982	0.111982	0.109983	0.111982
17030	0.135979	0.132979	0.133979	0.133979	0.13098	0.135979
19460	0.157975	0.158975	0.159975	0.155976	0.160975	0.161975
22052	0.185971	0.186971	0.188971	0.184971	0.184971	0.188971
24806	0.215967	0.215967	0.216967	0.215967	0.216967	0.214967
27722	0.250961	0.252961	0.253961	0.250961	0.250961	0.247962
30800	0.294955	0.287956	0.290955	0.289955	0.290955	0.289955
34040	0.329949	0.331949	0.334949	0.334949	0.333949	0.332949
37442	0.375942	0.372943	0.377942	0.375942	0.375942	0.376942
41006	0.422935	0.420936	0.420936	0.418936	0.421935	0.420936
44732	0.474927	0.464929	0.472928	0.465929	0.471928	0.471928
48620	0.530919	0.52592	0.52592	0.52592	0.526919	0.527919
52670	0.59091	0.577912	0.583911	0.579911	0.578911	0.584911
56882	0.648901	0.645901	0.644901	0.646901	0.642902	0.646901
61256	0.711891	0.709892	0.706892	0.711891	0.709892	0.716891
65792	0.781881	0.780881	0.779881	0.772882	0.771882	0.778881
70490	0.85487	0.85387	0.85087	0.844871	0.847871	0.847871
75350	0.929858	0.931858	0.928858	0.924859	0.925859	0.927858
80372	1.01185	1.01684	1.00985	1.00285	1.01484	1.00885
85556	1.08983	1.09483	1.09783	1.09183	1.08483	1.09083
90902	1.18582	1.18682	1.18782	1.18082	1.17182	1.18682
96410	1.27981	1.2768	1.27481	1.26981	1.27081	1.27581
102080	1.37479	1.37679	1.37079	1.37279	1.36579	1.37679
107912	1.47477	1.47778	1.47877	1.47378	1.47378	1.48677
113906	1.57776	1.59176	1.58476	1.56976	1.58676	1.58076
120062	1.68874	1.69374	1.69674	1.68074	1.67874	1.69174
126380	1.81872	1.80173	1.80773	1.80073	1.79673	1.81272

**Pebbling formulas, pyramid graphs, substitution or 2  
shuffle, preprocessing, clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
20	0.0	0.0	0.0	0.000999	0.000999	0.0
182	0.000999	0.000999	0.001999	0.000999	0.000999	0.000999
506	0.002999	0.002999	0.002999	0.002999	0.001999	0.001999
992	0.005999	0.005999	0.005999	0.005999	0.006998	0.005999
1640	0.009998	0.009998	0.010998	0.009998	0.009998	0.009998
2450	0.015997	0.016997	0.014997	0.015997	0.014997	0.014997
3422	0.021996	0.022996	0.022996	0.022996	0.020996	0.021996
4556	0.028995	0.029995	0.029995	0.029995	0.029995	0.029995
5852	0.040993	0.039993	0.038994	0.040993	0.038994	0.038994
7310	0.050992	0.050992	0.049992	0.049992	0.049992	0.049992
8930	0.06099	0.06099	0.05999	0.06099	0.06099	0.06199
10712	0.076988	0.076988	0.076988	0.075988	0.076988	0.077988
12656	0.092985	0.092985	0.092985	0.092985	0.093985	0.092985
14762	0.112982	0.112982	0.112982	0.107983	0.110983	0.110983
17030	0.132979	0.134979	0.132979	0.133979	0.135979	0.135979
19460	0.159975	0.160975	0.157975	0.154976	0.158975	0.159975
22052	0.184971	0.184971	0.185971	0.186971	0.186971	0.186971
24806	0.215967	0.217966	0.214967	0.216967	0.218966	0.217966
27722	0.246962	0.251961	0.248962	0.252961	0.250961	0.249962
30800	0.287956	0.289955	0.286956	0.288956	0.289955	0.286956
34040	0.333949	0.330949	0.329949	0.32795	0.332949	0.333949
37442	0.374943	0.375942	0.374943	0.370943	0.375942	0.374943
41006	0.416936	0.420936	0.419936	0.419936	0.415936	0.420936
44732	0.471928	0.470928	0.470928	0.472928	0.470928	0.468928
48620	0.52492	0.52592	0.527919	0.527919	0.52492	0.52092
52670	0.578911	0.581911	0.580911	0.580911	0.581911	0.579911
56882	0.645901	0.645901	0.648901	0.644901	0.646901	0.648901
61256	0.708892	0.710891	0.710891	0.711891	0.709892	0.710891
65792	0.776881	0.778881	0.777881	0.775882	0.774882	0.779881
70490	0.856869	0.84887	0.845871	0.84887	0.846871	0.846871
75350	0.926859	0.923859	0.924859	0.925859	0.931858	0.921859
80372	1.00485	1.00285	1.00885	1.00685	1.00885	1.00385
85556	1.09583	1.09083	1.09283	1.08483	1.09883	1.09083
90902	1.17482	1.18482	1.18182	1.17782	1.19182	1.18382
96410	1.26481	1.26681	1.27481	1.2768	1.26881	1.27381
102080	1.36879	1.37179	1.37179	1.37479	1.36479	1.37479
107912	1.48077	1.47078	1.47578	1.48077	1.47278	1.46678
113906	1.57876	1.57776	1.57776	1.57976	1.57276	1.57676
120062	1.69774	1.69074	1.68474	1.68274	1.68674	1.68474
126380	1.80373	1.81472	1.80173	1.79673	1.80373	1.80773

**Pebbling formulas, width 2 chain graphs, substitution or 2  
no shuffle, no preprocessing, no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
442	0.714891	0.147977	0.078987	7.16991	0.041993	0.022996
882	3.56546	0.621905	0.254961	44.8062	0.161975	0.066989
1322	9.24259	1.52377	0.52392	150.248	0.342947	0.097985
1762	17.2154	2.57961	0.960853	258.391	0.690894	0.189971
2202	27.9857	4.49332	1.16882	474.309	0.892864	0.200969
2642	45.3571	7.13791	1.59276	672.156	1.58376	0.281957
3082	63.3944	11.1963	1.86972	955.996	2.54561	0.301954
3522	83.8033	13.353	2.43263	1708.27	3.13552	0.445932
3962	111.084	20.6549	2.87656	1624.295	3.3215	0.544917
4402	145.687	30.9223	4.07238	1800	3.87741	0.643902
4842	182.369	29.8235	4.15637	1800	5.21121	0.650901
5282	225.515	42.0026	5.42218	1800	7.51586	0.780881
5722	288.467	48.4246	5.96009	-	10.2854	0.765883
6162	346.649	60.0669	5.46817	-	12.882	0.801878
6602	421.73	74.5717	6.81296	-	15.3797	1.20982
7042	495.419	97.1092	7.77682	-	16.7615	1.14983
7482	583.148	110.361	8.29074	-	16.9844	1.26081
7922	665.426	151.55	7.29489	-	17.9973	1.54076
8362	772.84	161.539	10.2444	-	19.0071	1.2868
8802	887.683	170.618	12.4521	-	22.6316	1.35879
9242	994.864	204.944	9.92549	-	28.0877	1.88771
9682	1150.22	262.953	12.1222	-	30.2814	2.17767
10122	1280.55	258.694	14.8967	-	37.2293	2.01569
10562	1476.72	324.238	14.2178	-	38.4092	2.07968
11002	1573.89	348.115	16.0676	-	45.0631	2.6096
11442	1763.91	420.079	16.4975	-	53.5819	2.95055
11882	1800	523.602	15.9456	-	58.1982	1.9867
12322	1800	575.36	14.9097	-	64.6182	2.16867
12762	1800	613.545	19.465	-	71.7621	2.42763
13202	-	702.836	17.0474	-	77.7582	3.39648
13642	-	780.675	18.0843	-	88.6585	3.16152
14082	-	880.205	24.1303	-	89.9383	3.53246
14522	-	928.776	24.2173	-	92.4449	3.36249
14962	-	1147.29	23.0565	-	94.9736	4.10738
15402	-	1189.63	24.6243	-	96.7233	3.65644
15842	-	1382.15	23.7264	-	99.6279	4.50031
16282	-	1376.13	22.2736	-	100.285	6.91795
16722	-	1446.64	32.0101	-	105.163	5.2472
17162	-	1534.96	41.1067	-	108.68	4.5723
17602	-	1800	37.3893	-	121.326	4.78127

**Pebbling formulas, width 2 chain graphs, substitution or 2  
no shuffle, no preprocessing, clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
562	0.744886	0.295955	0.255961	1.15982	0.092985	0.044993
1122	3.50347	1.06884	0.770882	5.19721	0.347947	0.112982
1682	9.07962	2.46163	1.10383	13.361	0.900863	0.224965
2242	16.6365	6.43202	2.70659	26.345	1.2958	0.372943
2802	27.5028	9.82051	5.30719	43.2764	2.76858	0.601908
3362	41.7227	15.1797	5.2812	62.2005	4.02539	0.601908
3922	58.2761	23.1235	6.27205	87.9556	4.83226	1.05784
4482	79.4299	36.4465	4.48632	120.623	5.46417	0.932858
5042	104.307	41.8056	6.39903	159.549	9.65453	1.66975
5602	133.773	55.8975	19.44	200.055	12.4711	0.769882
6162	170.007	72.207	16.2825	241.268	14.7668	1.44078
6722	204.188	79.206	31.3052	282.484	19.921	2.87856
7282	251.541	120.865	22.0167	377.686	20.3289	1.35679
7842	302.513	150.823	35.4956	432.202	26.627	1.79773
8402	347.517	186.462	25.3691	497.554	28.2597	1.90371
8962	402.846	213.827	17.6033	554.201	37.1743	3.07253
9522	466.499	264.741	19.605	627.832	49.6654	3.22451
10082	540.717	244.674	60.8817	671.554	55.7605	2.88956
10642	613.367	298.671	31.9531	775.724	62.6915	3.11153
11202	694.301	399.878	54.0598	920.902	66.1859	2.71359
11762	772.556	433.123	43.6854	993.278	71.0152	4.15837
12322	870.398	470.254	61.8656	1097.57	82.3655	5.8981
12882	952.628	676.947	73.4758	1207.38	89.0895	3.17852
13442	1064.71	622.351	88.4116	1299.37	100.28	3.80642
14002	1158.97	672.212	56.6544	1653.91	128.394	3.17652
14562	1283.71	778.132	66.3989	1758.48	120.722	7.16291
15122	1394.43	913.288	69.1175	1800	162.876	3.68744
15682	1550.37	929.858	104.767	1800	147.155	4.29735
16242	1669.29	1042.74	78.895	1800	168.639	4.33834
16802	1800	1355.415	38.6991	-	198.721	8.33173
17362	1800	1384.93	54.3227	-	193.165	6.05908
17922	1800	1715.41	96.5963	-	216.111	5.87911
18482	-	1597.43	94.4546	-	175.601	12.6811
19042	-	1628.225	139.141	-	264.008	16.6585
19602	-	1800	125.407	-	357.168	9.60554
20162	-	1800	158.832	-	318.85	9.64853
20722	-	1800	109.716	-	293.943	14.6708
21282	-	1800	118.738	-	330.117	9.44556
21842	-	-	197.949	-	356.554	17.1574
22402	-	-	112.076	-	359.658	13.4909

**Pebbling formulas, width 2 chain graphs, substitution or 2  
shuffle, no preprocessing, no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
442	0.913861	0.138978	0.083987	7.10792	0.037994	0.019996
882	3.82042	0.639902	0.330949	62.0616	0.162975	0.053991
1322	9.1896	1.67375	0.518921	153.122	0.370943	0.080987
1762	17.5363	3.11653	0.823874	273.09	0.714891	0.124981
2202	28.4057	4.66629	1.3358	504.625	1.06784	0.206968
2642	44.5812	7.41787	1.65175	761.623	1.66875	0.291955
3082	64.2492	10.1525	2.02069	1054.16	2.71459	0.32395
3522	85.0821	16.2295	2.82657	1473.42	3.35849	0.484926
3962	116.332	21.2258	3.19451	1654.81	3.64045	0.573912
4402	151.312	26.081	4.03739	1800	4.40233	0.560914
4842	195.007	33.5659	4.96525	1800	7.28989	0.683896
5282	237.618	39.1181	4.31134	1800	8.5637	0.829873
5722	298.13	52.1651	5.78112	-	10.8493	0.961853
6162	356.272	55.8825	6.61599	-	15.0207	1.08184
6602	430.124	76.1814	7.63384	-	16.7834	1.24181
7042	512.745	93.0209	8.81666	-	17.8693	1.52077
7482	613.335	103.01	8.89065	-	18.4742	1.66175
7922	691.176	159.491	10.0485	-	19.691	1.63775
8362	801.389	185.121	11.7222	-	23.0255	1.89871
8802	936.944	196.697	14.1438	-	24.3823	1.9747
9242	1068.42	224.843	13.228	-	30.7023	2.06169
9682	1198.42	248.951	12.952	-	33.1	2.6386
10122	1310.77	269.273	13.5799	-	39.629	2.11368
10562	1520.22	367.802	14.9227	-	47.1808	2.84057
11002	1689.63	371.112	16.2325	-	48.4136	3.10253
11442	1800	466.017	16.4825	-	53.7108	3.02554
11882	1800	497.861	18.1212	-	68.9305	3.2515
12322	1800	599.438	20.3459	-	72.201	3.56346
12762	-	728.46	23.6284	-	82.9814	3.77243
13202	-	678.858	21.7057	-	95.0376	4.00039
13642	-	819.369	23.5794	-	95.5915	4.28235
14082	-	972.135	19.988	-	98.505	4.36234
14522	-	1010.74	34.3058	-	102.403	5.56615
14962	-	1236.1	28.2777	-	103.691	4.18436
15402	-	1310.34	26.6769	-	104.095	5.85211
15842	-	1330.14	34.5627	-	106.065	5.45217
16282	-	1442.375	32.2001	-	109.974	4.83926
16722	-	1640.59	31.7712	-	115.104	6.80896
17162	-	1800	36.6414	-	127.948	5.41918
17602	-	1800	34.7117	-	132.59	6.37603

**Pebbling formulas, width 2 chain graphs, substitution or 2  
shuffle, no preprocessing, clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
562	0.813876	0.303953	0.302953	1.3328	0.089986	0.039993
1122	3.62245	1.09383	1.07384	5.2362	0.334949	0.158975
1682	8.82166	2.77258	1.90571	12.5641	0.836872	0.184971
2242	17.1624	5.59815	2.79657	26.585	1.37479	0.317951
2802	27.4278	8.64668	5.10322	44.8572	2.86656	0.554915
3362	42.5945	15.3977	13.5479	62.9444	4.29135	0.775882
3922	62.0656	21.6197	5.2662	98.2911	5.07623	1.10283
4482	82.3215	30.6463	11.7832	131.537	7.8648	1.04784
5042	107.738	47.9267	24.4883	165.619	11.4263	1.17682
5602	138.784	58.4891	13.256	213.742	15.7376	2.53161
6162	172.979	62.7725	17.3604	247.792	17.3284	2.17667
6722	212.326	105.256	14.6758	302.266	19.557	2.67759
7282	256.323	125.651	27.1149	379.27	21.9567	2.39864
7842	306.17	176.162	27.6688	456.707	28.7826	3.34649
8402	365.123	182.486	15.3727	526.267	34.6287	3.62745
8962	420.857	209.266	16.9174	576.616	39.378	4.28135
9522	483.049	218.243	41.6917	659.406	50.4843	5.64914
10082	559.389	345.242	30.6623	747.582	64.2242	7.03993
10642	636.618	346.859	30.1564	855.114	58.5881	4.13737
11202	720.69	395.726	46.218	987.804	73.0689	3.2725
11762	799.72	450.459	35.5186	1086.44	76.3964	4.20836
12322	902.318	600.895	41.5577	1161.0	98.345	3.79242
12882	1007.32	602.511	156.652	1300.78	101.852	4.39333
13442	1121.2	674.446	58.5871	1425.11	101.678	6.62599
14002	1233.51	867.928	93.2728	1800	113.683	5.59215
14562	1366.26	986.52	140.579	1800	145.793	10.6864
15122	1508.53	867.066	49.8474	1800	124.072	14.8637
15682	1650.71	1246.61	203.936	1800	180.16	6.92395
16242	1784.71	1303.98	79.241	-	239.991	9.96148
16802	1800	1318.89	48.3027	-	203.691	6.33704
17362	1800	1419.4	79.3329	-	254.003	11.4403
17922	1800	1437.7	129.071	-	267.402	14.4328
18482	-	1591.925	192.824	-	259.126	18.6282
19042	-	1800	315.162	-	294.524	12.7251
19602	-	1800	104.918	-	308.591	19.611
20162	-	1800	94.8446	-	309.245	17.1574
20722	-	1800	320.13	-	399.882	14.1798
21282	-	1800	196.32	-	392.756	15.1487
21842	-	1800	150.619	-	498.806	12.2521
22402	-	-	119.111	-	390.43	24.6193



**Pebbling formulas, width 2 chain graphs, substitution or 2  
no shuffle, preprocessing, no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
442	0.002999	0.002999	0.001999	0.002999	0.001999	0.002999
882	0.004999	0.004999	0.003999	0.004999	0.004999	0.004999
1322	0.006998	0.006998	0.005999	0.006998	0.006998	0.006998
1762	0.009998	0.009998	0.008998	0.008998	0.008998	0.008998
2202	0.011998	0.011998	0.011998	0.011998	0.011998	0.011998
2642	0.014997	0.014997	0.012998	0.013997	0.013997	0.015997
3082	0.014997	0.015997	0.016997	0.016997	0.017997	0.015997
3522	0.017997	0.018997	0.018997	0.019996	0.018997	0.018997
3962	0.020996	0.020996	0.019996	0.020996	0.021996	0.019996
4402	0.022996	0.022996	0.023996	0.022996	0.023996	0.022996
4842	0.025996	0.025996	0.025996	0.025996	0.024996	0.025996
5282	0.027995	0.028995	0.025996	0.028995	0.029995	0.028995
5722	0.029995	0.031995	0.030995	0.029995	0.030995	0.028995
6162	0.031995	0.032994	0.032994	0.032994	0.030995	0.031995
6602	0.033994	0.034994	0.034994	0.034994	0.034994	0.033994
7042	0.036994	0.037994	0.035994	0.039993	0.037994	0.036994
7482	0.038994	0.038994	0.038994	0.039993	0.039993	0.037994
7922	0.040993	0.039993	0.041993	0.041993	0.040993	0.040993
8362	0.043993	0.042993	0.044993	0.043993	0.043993	0.042993
8802	0.046992	0.044993	0.046992	0.045993	0.044993	0.045993
9242	0.047992	0.048992	0.048992	0.048992	0.048992	0.048992
9682	0.048992	0.049992	0.050992	0.050992	0.050992	0.050992
10122	0.053991	0.052991	0.052991	0.053991	0.051992	0.051992
10562	0.054991	0.054991	0.054991	0.053991	0.053991	0.057991
11002	0.058991	0.057991	0.057991	0.058991	0.057991	0.056991
11442	0.06099	0.058991	0.06199	0.05999	0.057991	0.057991
11882	0.06299	0.06199	0.06399	0.06399	0.06099	0.06299
12322	0.066989	0.06499	0.066989	0.06499	0.065989	0.06299
12762	0.070989	0.067989	0.066989	0.065989	0.066989	0.066989
13202	0.068989	0.068989	0.070989	0.070989	0.066989	0.069989
13642	0.071989	0.071989	0.070989	0.074988	0.071989	0.070989
14082	0.073988	0.072988	0.073988	0.071989	0.076988	0.073988
14522	0.076988	0.076988	0.076988	0.076988	0.074988	0.074988
14962	0.077988	0.076988	0.078987	0.076988	0.077988	0.077988
15402	0.080987	0.081987	0.082987	0.081987	0.080987	0.078987
15842	0.084987	0.082987	0.082987	0.085986	0.083987	0.083987
16282	0.084987	0.085986	0.086986	0.086986	0.084987	0.082987
16722	0.089986	0.088986	0.087986	0.091986	0.085986	0.088986
17162	0.091986	0.089986	0.093985	0.089986	0.091986	0.089986
17602	0.092985	0.092985	0.092985	0.093985	0.093985	0.093985

**Pebbling formulas, width 2 chain graphs, substitution or 2  
no shuffle, preprocessing, clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
562	0.003999	0.002999	0.003999	0.003999	0.003999	0.003999
1122	0.005999	0.005999	0.005999	0.006998	0.005999	0.006998
1682	0.008998	0.008998	0.008998	0.008998	0.008998	0.008998
2242	0.011998	0.011998	0.011998	0.010998	0.011998	0.012998
2802	0.015997	0.013997	0.014997	0.014997	0.014997	0.015997
3362	0.017997	0.018997	0.016997	0.017997	0.017997	0.016997
3922	0.020996	0.020996	0.020996	0.020996	0.020996	0.019996
4482	0.023996	0.022996	0.023996	0.023996	0.023996	0.024996
5042	0.026995	0.026995	0.026995	0.026995	0.027995	0.026995
5602	0.029995	0.029995	0.029995	0.028995	0.029995	0.030995
6162	0.032994	0.033994	0.032994	0.032994	0.032994	0.032994
6722	0.033994	0.035994	0.035994	0.033994	0.033994	0.034994
7282	0.038994	0.037994	0.036994	0.036994	0.039993	0.036994
7842	0.040993	0.041993	0.041993	0.042993	0.038994	0.040993
8402	0.044993	0.043993	0.042993	0.043993	0.044993	0.043993
8962	0.047992	0.046992	0.047992	0.047992	0.047992	0.046992
9522	0.051992	0.049992	0.048992	0.049992	0.051992	0.049992
10082	0.052991	0.052991	0.053991	0.051992	0.052991	0.053991
10642	0.056991	0.054991	0.054991	0.053991	0.054991	0.053991
11202	0.05999	0.056991	0.057991	0.057991	0.058991	0.05999
11762	0.06099	0.06199	0.06199	0.06199	0.06399	0.056991
12322	0.065989	0.06399	0.06399	0.06499	0.067989	0.065989
12882	0.068989	0.068989	0.06499	0.06399	0.066989	0.067989
13442	0.070989	0.070989	0.072988	0.069989	0.071989	0.070989
14002	0.074988	0.073988	0.074988	0.072988	0.073988	0.073988
14562	0.075988	0.075988	0.074988	0.076988	0.076988	0.074988
15122	0.078987	0.079987	0.079987	0.082987	0.080987	0.078987
15682	0.084987	0.081987	0.081987	0.082987	0.084987	0.083987
16242	0.086986	0.085986	0.084987	0.085986	0.084987	0.087986
16802	0.088986	0.089986	0.091986	0.089986	0.088986	0.089986
17362	0.093985	0.091986	0.091986	0.092985	0.092985	0.091986
17922	0.095985	0.093985	0.093985	0.096985	0.094985	0.096985
18482	0.100984	0.098984	0.099984	0.096985	0.097985	0.099984
19042	0.103984	0.099984	0.103984	0.103984	0.100984	0.103984
19602	0.103984	0.107983	0.108983	0.103984	0.105983	0.104984
20162	0.110983	0.106983	0.105983	0.108983	0.106983	0.109983
20722	0.114982	0.111982	0.113982	0.111982	0.111982	0.111982
21282	0.116982	0.114982	0.114982	0.115982	0.112982	0.115982
21842	0.119981	0.120981	0.119981	0.118981	0.119981	0.117982
22402	0.122981	0.121981	0.122981	0.120981	0.120981	0.12598

**Pebbling formulas, width 2 chain graphs, substitution or 2  
shuffle, preprocessing, no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
442	0.001999	0.001999	0.001999	0.002999	0.002999	0.002999
882	0.004999	0.004999	0.004999	0.004999	0.004999	0.004999
1322	0.006998	0.007998	0.007998	0.007998	0.007998	0.007998
1762	0.011998	0.010998	0.010998	0.010998	0.010998	0.011998
2202	0.013997	0.012998	0.013997	0.013997	0.013997	0.012998
2642	0.015997	0.016997	0.016997	0.016997	0.015997	0.016997
3082	0.019996	0.019996	0.018997	0.018997	0.019996	0.019996
3522	0.022996	0.020996	0.021996	0.021996	0.021996	0.021996
3962	0.023996	0.023996	0.024996	0.025996	0.022996	0.026995
4402	0.027995	0.028995	0.027995	0.028995	0.028995	0.027995
4842	0.030995	0.028995	0.029995	0.029995	0.031995	0.030995
5282	0.033994	0.032994	0.032994	0.033994	0.033994	0.033994
5722	0.035994	0.035994	0.036994	0.036994	0.036994	0.036994
6162	0.039993	0.039993	0.039993	0.040993	0.040993	0.039993
6602	0.040993	0.042993	0.042993	0.043993	0.043993	0.042993
7042	0.045993	0.044993	0.044993	0.044993	0.045993	0.044993
7482	0.048992	0.048992	0.048992	0.048992	0.048992	0.050992
7922	0.052991	0.049992	0.049992	0.047992	0.049992	0.051992
8362	0.055991	0.056991	0.055991	0.053991	0.054991	0.053991
8802	0.057991	0.056991	0.058991	0.057991	0.058991	0.056991
9242	0.06199	0.06399	0.05999	0.06299	0.06099	0.06099
9682	0.06399	0.06299	0.06399	0.06399	0.06499	0.06299
10122	0.069989	0.065989	0.067989	0.068989	0.066989	0.067989
10562	0.072988	0.070989	0.071989	0.070989	0.068989	0.070989
11002	0.075988	0.072988	0.072988	0.074988	0.075988	0.074988
11442	0.077988	0.076988	0.077988	0.076988	0.076988	0.076988
11882	0.079987	0.079987	0.079987	0.079987	0.079987	0.081987
12322	0.084987	0.085986	0.082987	0.085986	0.082987	0.084987
12762	0.088986	0.085986	0.089986	0.088986	0.086986	0.091986
13202	0.095985	0.093985	0.092985	0.091986	0.090986	0.090986
13642	0.096985	0.095985	0.095985	0.093985	0.091986	0.094985
14082	0.100984	0.099984	0.101984	0.099984	0.100984	0.098984
14522	0.104984	0.104984	0.100984	0.101984	0.103984	0.105983
14962	0.105983	0.106983	0.102984	0.103984	0.104984	0.103984
15402	0.110983	0.108983	0.106983	0.108983	0.109983	0.110983
15842	0.113982	0.113982	0.113982	0.112982	0.114982	0.110983
16282	0.119981	0.116982	0.117982	0.116982	0.113982	0.114982
16722	0.123981	0.123981	0.119981	0.121981	0.119981	0.124981
17162	0.12698	0.12598	0.12698	0.124981	0.124981	0.12698
17602	0.12998	0.12898	0.12798	0.12798	0.12898	0.132979

**Pebbling formulas, width 2 chain graphs, substitution or 2  
shuffle, preprocessing, clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
562	0.002999	0.002999	0.002999	0.003999	0.003999	0.003999
1122	0.006998	0.005999	0.006998	0.006998	0.005999	0.005999
1682	0.009998	0.009998	0.009998	0.009998	0.010998	0.010998
2242	0.011998	0.013997	0.012998	0.013997	0.013997	0.013997
2802	0.016997	0.016997	0.016997	0.014997	0.016997	0.017997
3362	0.020996	0.020996	0.020996	0.020996	0.020996	0.020996
3922	0.024996	0.022996	0.024996	0.024996	0.025996	0.025996
4482	0.027995	0.026995	0.028995	0.029995	0.027995	0.028995
5042	0.033994	0.031995	0.031995	0.032994	0.031995	0.031995
5602	0.036994	0.035994	0.035994	0.035994	0.036994	0.036994
6162	0.040993	0.039993	0.038994	0.039993	0.037994	0.040993
6722	0.043993	0.042993	0.044993	0.042993	0.043993	0.043993
7282	0.047992	0.047992	0.045993	0.046992	0.045993	0.046992
7842	0.053991	0.052991	0.050992	0.050992	0.050992	0.050992
8402	0.056991	0.054991	0.055991	0.055991	0.057991	0.055991
8962	0.05999	0.06199	0.06099	0.057991	0.05999	0.05999
9522	0.06399	0.06399	0.06199	0.06099	0.06399	0.06499
10082	0.066989	0.066989	0.068989	0.068989	0.066989	0.067989
10642	0.072988	0.072988	0.072988	0.070989	0.074988	0.072988
11202	0.078987	0.077988	0.076988	0.076988	0.074988	0.077988
11762	0.079987	0.080987	0.078987	0.080987	0.078987	0.080987
12322	0.087986	0.085986	0.084987	0.085986	0.085986	0.084987
12882	0.092985	0.090986	0.087986	0.088986	0.090986	0.090986
13442	0.095985	0.092985	0.092985	0.093985	0.094985	0.095985
14002	0.100984	0.099984	0.097985	0.100984	0.100984	0.099984
14562	0.104984	0.100984	0.103984	0.104984	0.102984	0.106983
15122	0.110983	0.105983	0.103984	0.107983	0.106983	0.108983
15682	0.114982	0.114982	0.113982	0.112982	0.112982	0.113982
16242	0.121981	0.118981	0.116982	0.115982	0.114982	0.119981
16802	0.124981	0.121981	0.123981	0.119981	0.124981	0.124981
17362	0.12698	0.12998	0.12598	0.12898	0.12798	0.12598
17922	0.135979	0.133979	0.13098	0.136979	0.131979	0.132979
18482	0.139978	0.136979	0.138978	0.134979	0.138978	0.135979
19042	0.143978	0.146977	0.143978	0.142978	0.143978	0.146977
19602	0.149977	0.148977	0.149977	0.148977	0.147977	0.147977
20162	0.156976	0.154976	0.151976	0.154976	0.152976	0.155976
20722	0.162975	0.159975	0.160975	0.162975	0.161975	0.161975
21282	0.169974	0.166974	0.166974	0.166974	0.163975	0.166974
21842	0.169974	0.166974	0.169974	0.172973	0.166974	0.171973
22402	0.176973	0.174973	0.179972	0.176973	0.175973	0.176973

**Pebbling formulas, width 5 chain graphs, substitution or 2  
no shuffle, no preprocessing, no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
408	0.45493	0.113982	0.137979	180.635	0.134979	0.051992
808	2.06768	0.413937	0.515921	910.762	0.819875	0.538918
1208	5.21721	0.929858	0.763883	1800	2.01169	1.47378
1608	9.75052	1.55876	2.6386	1800	3.48147	4.85826
2008	15.5386	2.56061	1.85072	1800	8.5357	4.13037
2408	25.8551	3.77942	3.46047	-	11.3663	11.1003
2808	34.9257	5.2302	4.47932	-	18.4872	5.33019
3208	49.6035	7.51286	7.02393	-	28.1457	12.89
3608	66.1969	10.5574	7.45787	-	44.0443	16.6375
4008	88.4865	13.8499	14.8767	-	59.529	39.9349
4408	108.875	16.2045	20.0929	-	70.0503	35.6806
4808	137.333	19.579	18.8041	-	92.109	37.0314
5208	161.302	25.4291	30.7343	-	103.779	47.4038
5608	198.17	29.8485	30.3594	-	132.159	62.0346
6008	240.094	35.7036	36.5194	-	145.891	47.0748
6408	281.129	41.4467	48.3606	-	186.474	51.9061
6808	332.236	48.6026	40.0319	-	251.141	97.3872
7208	391.074	59.373	68.0147	-	286.843	58.6641
7608	444.789	63.4284	40.9778	-	304.652	51.2272
8008	515.762	74.5237	19.413	-	330.546	82.8074
8408	576.207	92.186	49.8194	-	385.638	112.655
8808	661.133	111.038	63.4823	-	496.993	86.1429
9208	736.023	114.224	65.0061	-	555.22	139.803
9608	851.199	126.98	73.5968	-	602.779	118.594
10008	931.805	143.806	86.0319	-	623.658	126.269
10408	1027.95	156.457	86.7138	-	763.242	141.662
10808	1160.45	178.191	106.959	-	862.738	163.31
11208	1301.54	194.898	166.371	-	1077.4	219.216
11608	1430.67	191.002	164.726	-	1146.06	152.6
12008	1546.94	212.839	171.491	-	1221.09	271.992
12408	1727.07	258.196	120.754	-	1207.25	214.67
12808	1800	261.712	93.6778	-	1359.44	140.155
13208	1800	278.425	167.676	-	1349.3	283.872
13608	1800	336.127	110.936	-	1564.83	221.236
14008	-	347.032	195.122	-	1800	183.265
14408	-	370.304	117.213	-	1800	325.195
14808	-	413.61	161.594	-	1800	307.96
15208	-	444.922	141.208	-	1800	351.879
15608	-	499.89	159.954	-	1800	363.629
16008	-	537.016	185.317	-	-	317.448

**Pebbling formulas, width 5 chain graphs, substitution or 2  
no shuffle, no preprocessing, clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
708	0.806877	0.267959	0.372943	2.69059	0.237963	0.318951
1408	3.80542	1.02584	0.85287	12.5091	0.933858	0.886865
2108	9.45356	2.25466	1.86072	35.8655	2.21966	2.41863
2808	18.7062	4.52431	3.41148	78.779	4.49532	2.47262
3508	29.9544	7.57485	3.99539	138.058	7.05393	6.44602
4208	46.039	11.8162	9.41157	243.087	9.8575	6.22305
4908	65.61	16.1315	14.4938	324.483	15.2137	10.3174
5608	90.1593	25.2632	22.9895	450.492	18.8721	13.231
6308	119.155	33.4379	25.9531	566.387	26.511	14.1438
7008	152.456	41.3497	32.0741	703.168	33.9988	15.9856
7708	192.031	52.719	40.0889	992.475	39.249	18.3672
8408	240.506	66.3529	52.0451	1158.5	47.8757	25.6101
9108	289.298	79.7989	61.6086	1368.05	57.1943	20.8358
9808	343.392	100.785	91.5351	1527.37	71.4131	27.9687
10508	405.994	114.319	88.4715	1800	82.6054	40.5608
11208	467.096	133.497	99.7058	1800	94.1647	36.3635
11908	547.584	153.508	111.162	1800	111.9	36.7324
12608	626.056	179.403	149.902	1800	124.254	42.4285
13308	721.771	197.995	140.59	-	141.504	47.3958
14008	807.824	222.127	154.829	-	154.912	49.5405
14708	909.766	261.888	193.783	-	190.775	48.1367
15408	1024.3	294.257	171.225	-	211.655	50.4033
16108	1130.55	308.371	197.865	-	231.514	70.0524
16808	1277.06	376.279	195.154	-	260.73	53.8488
17508	1400.35	400.261	213.598	-	278.72	78.2741
18208	1538.76	446.124	264.529	-	317.829	91.3181
18908	1692.2	480.105	255.674	-	343.267	89.6044
19608	1800	530.812	279.822	-	389.727	101.16
20308	1800	593.197	282.29	-	429.72	113.345
21008	1800	625.237	283.258	-	473.724	109.126
21708	-	678.478	269.723	-	517.073	102.306
22408	-	761.92	332.109	-	542.653	128.941
23108	-	819.142	354.39	-	607.368	123.768
23808	-	833.531	313.356	-	651.481	117.311
24508	-	911.742	336.596	-	709.823	153.496
25208	-	1047.45	417.901	-	812.901	135.475
25908	-	1092.69	397.524	-	866.503	150.086
26608	-	1191.42	439.274	-	917.743	207.763
27308	-	1242.23	453.448	-	1007.56	199.827
28008	-	1302.56	461.71	-	1069.57	225.408

**Pebbling formulas, width 5 chain graphs, substitution or 2  
shuffle, no preprocessing, no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
408	0.434933	0.110983	0.106983	279.505	0.139978	0.097985
808	1.89871	0.418936	0.428934	1545.09	0.704892	0.45393
1208	4.86726	0.931858	0.979851	1800	2.48962	1.2898
1608	9.52755	1.56576	1.3188	1800	3.79342	1.57776
2008	16.4915	2.47262	1.61375	1800	7.98778	4.87726
2408	25.3222	3.77443	6.88695	-	10.2284	6.72798
2808	38.1812	5.82511	10.8793	-	20.4109	13.7529
3208	50.4533	7.61184	3.59245	-	31.2882	12.883
3608	67.6507	10.0455	18.3922	-	38.7361	14.2788
4008	89.4134	12.5981	26.087	-	61.1027	20.037
4408	114.086	15.0487	16.5145	-	71.4931	20.1659
4808	138.259	21.5937	22.8785	-	71.9131	46.7199
5208	174.58	25.0752	10.4834	-	123.242	34.5138
5608	205.775	32.4111	23.7264	-	134.061	52.0851
6008	246.578	35.9985	35.9445	-	177.659	34.2498
6408	296.334	42.3596	48.6676	-	203.129	66.4169
6808	338.823	51.9651	41.7587	-	239.186	65.491
7208	392.405	56.1195	51.7101	-	252.814	78.1951
7608	470.476	74.7216	79.163	-	334.561	108.337
8008	543.407	78.5791	68.9625	-	354.201	125.312
8408	603.054	90.1433	33.3229	-	372.853	119.548
8808	694.199	95.9444	61.6286	-	517.32	134.788
9208	768.224	103.25	59.186	-	610.676	86.3039
9608	898.573	121.489	107.763	-	612.471	96.7563
10008	1008.98	130.189	100.353	-	733.457	156.294
10408	1105.0	167.822	78.2391	-	828.771	139.958
10808	1252.82	192.689	120.141	-	920.882	148.613
11208	1358.38	204.12	127.159	-	944.782	243.224
11608	1492.23	212.6	167.084	-	1008.36	165.739
12008	1637.9	251.155	141.937	-	1173.7	232.125
12408	1762.02	286.089	128.166	-	1313.3	269.818
12808	1800	294.568	182.731	-	1447.6	204.715
13208	1800	316.627	146.446	-	1570.62	206.233
13608	1800	366.441	208.203	-	1511.67	229.146
14008	-	411.843	209.643	-	1703.18	269.343
14408	-	397.175	142.965	-	1800	269.057
14808	-	447.468	203.152	-	1800	257.468
15208	-	449.992	185.827	-	1800	260.405
15608	-	494.439	176.668	-	1800	359.589
16008	-	566.615	204.112	-	1800	298.645

**Pebbling formulas, width 5 chain graphs, substitution or 2  
shuffle, no preprocessing, clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
708	0.844871	0.26096	0.347947	2.67559	0.26096	0.300954
1408	3.90841	1.02884	1.01285	12.5811	1.09683	1.38879
2108	9.78751	2.52961	1.73774	37.6643	2.09268	1.70274
2808	18.5252	4.69529	4.66829	86.7478	4.38033	2.66459
3508	30.5454	7.53885	5.29019	146.942	7.2299	6.10307
4208	47.7307	12.7701	9.80851	248.729	10.7624	7.29889
4908	67.8697	19.471	7.43887	347.685	13.7989	7.02193
5608	93.7447	24.4393	12.3031	488.237	19.814	8.59069
6308	121.701	34.6717	27.2239	608.221	26.292	16.7305
7008	159.683	44.6682	28.1157	743.924	33.2449	17.9953
7708	197.731	56.2664	42.7265	1030.33	42.6135	20.6099
8408	247.106	70.0124	58.2361	1222.64	54.3897	21.7547
9108	299.084	79.3749	65.803	1403.44	62.1246	22.7415
9808	363.636	96.3504	102.74	1573.33	69.6654	31.6052
10508	420.48	125.11	92.5469	1800	90.8092	31.3252
11208	492.153	144.245	93.8247	1800	96.3883	38.6771
11908	573.164	160.595	120.968	1800	110.57	37.4703
12608	658.873	200.045	150.231	1800	129.699	47.9877
13308	751.337	205.175	146.436	-	151.58	56.9793
14008	847.541	241.619	169.389	-	172.813	48.8416
14708	966.335	262.836	199.339	-	203.864	74.9876
15408	1074.0	295.746	180.947	-	224.541	78.884
16108	1187.37	344.799	188.869	-	257.512	76.2954
16808	1339.49	371.791	228.471	-	279.064	86.3069
17508	1476.4	438.56	234.658	-	307.459	78.873
18208	1640.99	461.979	267.683	-	347.836	88.3356
18908	1777.205	516.346	284.798	-	380.126	98.2071
19608	1800	585.928	301.049	-	403.473	95.3435
20308	1800	618.307	278.59	-	475.16	118.368
21008	1800	683.443	343.953	-	492.207	122.537
21708	-	738.986	385.947	-	553.234	122.142
22408	-	785.673	324.765	-	633.786	128.072
23108	-	882.14	361.354	-	648.636	136.319
23808	-	954.525	391.801	-	752.166	210.665
24508	-	1012.63	499.719	-	768.758	144.643
25208	-	1110.25	593.907	-	893.094	149.787
25908	-	1172.31	464.087	-	926.744	162.414
26608	-	1253.11	477.613	-	1011.2	165.375
27308	-	1358.45	528.61	-	1060.47	214.974
28008	-	1431.01	457.481	-	1169.08	233.12



**Pebbling formulas, width 5 chain graphs, substitution or 2  
no shuffle, preprocessing, no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
408	0.002999	0.001999	0.001999	0.002999	0.001999	0.001999
808	0.003999	0.003999	0.004999	0.004999	0.004999	0.004999
1208	0.006998	0.004999	0.006998	0.006998	0.005999	0.006998
1608	0.008998	0.008998	0.009998	0.009998	0.008998	0.008998
2008	0.010998	0.010998	0.010998	0.011998	0.010998	0.010998
2408	0.012998	0.013997	0.012998	0.013997	0.011998	0.013997
2808	0.015997	0.016997	0.015997	0.015997	0.015997	0.014997
3208	0.015997	0.018997	0.017997	0.018997	0.017997	0.017997
3608	0.018997	0.020996	0.020996	0.019996	0.020996	0.019996
4008	0.020996	0.021996	0.021996	0.022996	0.021996	0.020996
4408	0.024996	0.023996	0.024996	0.022996	0.023996	0.022996
4808	0.026995	0.025996	0.026995	0.025996	0.026995	0.027995
5208	0.027995	0.027995	0.028995	0.028995	0.028995	0.028995
5608	0.031995	0.029995	0.029995	0.030995	0.029995	0.030995
6008	0.033994	0.033994	0.032994	0.032994	0.032994	0.031995
6408	0.034994	0.034994	0.034994	0.033994	0.034994	0.036994
6808	0.037994	0.034994	0.035994	0.037994	0.036994	0.036994
7208	0.039993	0.038994	0.039993	0.038994	0.037994	0.038994
7608	0.041993	0.042993	0.041993	0.042993	0.039993	0.040993
8008	0.044993	0.043993	0.045993	0.044993	0.044993	0.045993
8408	0.046992	0.045993	0.047992	0.046992	0.045993	0.045993
8808	0.048992	0.048992	0.047992	0.048992	0.048992	0.049992
9208	0.049992	0.050992	0.049992	0.051992	0.048992	0.049992
9608	0.052991	0.050992	0.050992	0.051992	0.052991	0.049992
10008	0.055991	0.054991	0.053991	0.051992	0.053991	0.052991
10408	0.057991	0.055991	0.057991	0.055991	0.057991	0.054991
10808	0.058991	0.058991	0.06099	0.057991	0.055991	0.058991
11208	0.06099	0.06399	0.06399	0.06199	0.06299	0.06199
11608	0.06399	0.06499	0.06399	0.06399	0.06399	0.06399
12008	0.065989	0.06499	0.065989	0.067989	0.06199	0.065989
12408	0.067989	0.067989	0.067989	0.067989	0.065989	0.066989
12808	0.069989	0.068989	0.069989	0.070989	0.069989	0.069989
13208	0.073988	0.072988	0.072988	0.070989	0.071989	0.071989
13608	0.073988	0.072988	0.074988	0.074988	0.074988	0.075988
14008	0.078987	0.075988	0.076988	0.078987	0.077988	0.073988
14408	0.081987	0.076988	0.079987	0.078987	0.078987	0.079987
14808	0.081987	0.080987	0.078987	0.080987	0.081987	0.083987
15208	0.083987	0.084987	0.081987	0.082987	0.083987	0.080987
15608	0.085986	0.083987	0.084987	0.083987	0.086986	0.085986
16008	0.090986	0.083987	0.089986	0.090986	0.087986	0.088986

**Pebbling formulas, width 5 chain graphs, substitution or 2  
no shuffle, preprocessing, clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
708	0.003999	0.004999	0.003999	0.003999	0.003999	0.003999
1408	0.007998	0.007998	0.007998	0.007998	0.006998	0.007998
2108	0.010998	0.011998	0.009998	0.010998	0.010998	0.011998
2808	0.015997	0.014997	0.014997	0.016997	0.015997	0.016997
3508	0.019996	0.017997	0.018997	0.017997	0.019996	0.018997
4208	0.023996	0.023996	0.022996	0.023996	0.022996	0.023996
4908	0.026995	0.025996	0.027995	0.027995	0.027995	0.026995
5608	0.029995	0.030995	0.030995	0.029995	0.028995	0.030995
6308	0.034994	0.032994	0.034994	0.035994	0.035994	0.032994
7008	0.037994	0.037994	0.037994	0.037994	0.039993	0.038994
7708	0.043993	0.043993	0.042993	0.042993	0.040993	0.040993
8408	0.045993	0.045993	0.045993	0.043993	0.044993	0.045993
9108	0.049992	0.050992	0.049992	0.047992	0.049992	0.050992
9808	0.053991	0.053991	0.052991	0.052991	0.052991	0.054991
10508	0.057991	0.057991	0.056991	0.055991	0.056991	0.056991
11208	0.06199	0.06199	0.06099	0.058991	0.058991	0.06099
11908	0.06399	0.06399	0.06499	0.06199	0.065989	0.06299
12608	0.069989	0.069989	0.068989	0.067989	0.068989	0.069989
13308	0.073988	0.072988	0.072988	0.074988	0.073988	0.073988
14008	0.076988	0.077988	0.076988	0.078987	0.076988	0.076988
14708	0.082987	0.081987	0.083987	0.079987	0.080987	0.080987
15408	0.082987	0.086986	0.083987	0.083987	0.087986	0.085986
16108	0.084987	0.087986	0.086986	0.087986	0.089986	0.086986
16808	0.095985	0.094985	0.092985	0.094985	0.093985	0.094985
17508	0.099984	0.096985	0.096985	0.095985	0.098984	0.098984
18208	0.100984	0.101984	0.095985	0.100984	0.102984	0.103984
18908	0.104984	0.106983	0.104984	0.102984	0.105983	0.104984
19608	0.109983	0.108983	0.106983	0.107983	0.106983	0.107983
20308	0.112982	0.113982	0.113982	0.112982	0.114982	0.111982
21008	0.119981	0.118981	0.116982	0.120981	0.120981	0.119981
21708	0.120981	0.121981	0.120981	0.122981	0.120981	0.119981
22408	0.12898	0.124981	0.12798	0.12598	0.12798	0.12698
23108	0.132979	0.132979	0.12998	0.13098	0.12898	0.13098
23808	0.134979	0.135979	0.134979	0.135979	0.133979	0.12998
24508	0.140978	0.143978	0.140978	0.138978	0.139978	0.140978
25208	0.147977	0.145977	0.144977	0.143978	0.144977	0.144977
25908	0.150977	0.142978	0.146977	0.146977	0.148977	0.149977
26608	0.151976	0.154976	0.154976	0.152976	0.151976	0.151976
27308	0.157975	0.156976	0.155976	0.155976	0.158975	0.156976
28008	0.161975	0.162975	0.158975	0.159975	0.163975	0.159975

**Pebbling formulas, width 5 chain graphs, substitution or 2  
shuffle, preprocessing, no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
408	0.002999	0.002999	0.001999	0.001999	0.001999	0.002999
808	0.004999	0.005999	0.004999	0.004999	0.005999	0.004999
1208	0.006998	0.006998	0.006998	0.006998	0.006998	0.007998
1608	0.009998	0.009998	0.008998	0.009998	0.008998	0.010998
2008	0.012998	0.012998	0.012998	0.012998	0.012998	0.012998
2408	0.014997	0.014997	0.015997	0.014997	0.014997	0.014997
2808	0.017997	0.017997	0.017997	0.017997	0.017997	0.016997
3208	0.021996	0.018997	0.019996	0.019996	0.019996	0.019996
3608	0.022996	0.023996	0.023996	0.022996	0.022996	0.022996
4008	0.025996	0.025996	0.025996	0.025996	0.025996	0.025996
4408	0.027995	0.028995	0.028995	0.028995	0.028995	0.028995
4808	0.030995	0.030995	0.030995	0.031995	0.030995	0.031995
5208	0.033994	0.033994	0.034994	0.033994	0.033994	0.034994
5608	0.037994	0.038994	0.037994	0.035994	0.035994	0.036994
6008	0.039993	0.039993	0.039993	0.039993	0.038994	0.037994
6408	0.043993	0.042993	0.040993	0.042993	0.041993	0.041993
6808	0.045993	0.044993	0.044993	0.045993	0.044993	0.043993
7208	0.048992	0.049992	0.047992	0.050992	0.047992	0.047992
7608	0.051992	0.050992	0.051992	0.052991	0.051992	0.049992
8008	0.053991	0.055991	0.054991	0.054991	0.053991	0.053991
8408	0.056991	0.054991	0.057991	0.058991	0.057991	0.055991
8808	0.060999	0.058991	0.062999	0.059999	0.059999	0.059999
9208	0.062999	0.061999	0.064999	0.062999	0.061999	0.062999
9608	0.063999	0.064999	0.065989	0.065989	0.067989	0.064999
10008	0.068989	0.067989	0.069989	0.069989	0.067989	0.068989
10408	0.070989	0.072988	0.073988	0.071989	0.071989	0.070989
10808	0.074988	0.075988	0.074988	0.074988	0.074988	0.073988
11208	0.076988	0.077988	0.080987	0.080987	0.075988	0.076988
11608	0.082987	0.078987	0.080987	0.079987	0.081987	0.082987
12008	0.083987	0.084987	0.085986	0.086986	0.084987	0.081987
12408	0.086986	0.088986	0.084987	0.087986	0.086986	0.086986
12808	0.090986	0.089986	0.091986	0.091986	0.090986	0.092985
13208	0.093985	0.093985	0.094985	0.095985	0.094985	0.094985
13608	0.097985	0.095985	0.097985	0.099984	0.099984	0.096985
14008	0.101984	0.100984	0.102984	0.102984	0.099984	0.101984
14408	0.104984	0.105983	0.106983	0.107983	0.101984	0.105983
14808	0.109983	0.108983	0.109983	0.107983	0.105983	0.109983
15208	0.112982	0.113982	0.112982	0.112982	0.112982	0.113982
15608	0.110983	0.117982	0.117982	0.117982	0.115982	0.113982
16008	0.119981	0.117982	0.117982	0.120981	0.118981	0.119981

**Pebbling formulas, width 5 chain graphs, substitution or 2  
shuffle, preprocessing, clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
708	0.004999	0.003999	0.004999	0.004999	0.003999	0.004999
1408	0.007998	0.007998	0.008998	0.007998	0.009998	0.009998
2108	0.012998	0.013997	0.012998	0.012998	0.013997	0.012998
2808	0.017997	0.016997	0.016997	0.017997	0.017997	0.016997
3508	0.021996	0.021996	0.021996	0.022996	0.021996	0.021996
4208	0.027995	0.025996	0.026995	0.025996	0.027995	0.025996
4908	0.031995	0.033994	0.033994	0.032994	0.030995	0.030995
5608	0.037994	0.036994	0.036994	0.037994	0.035994	0.036994
6308	0.040993	0.042993	0.040993	0.040993	0.039993	0.041993
7008	0.043993	0.046992	0.047992	0.047992	0.046992	0.046992
7708	0.050992	0.052991	0.050992	0.050992	0.050992	0.048992
8408	0.057991	0.056991	0.056991	0.056991	0.057991	0.055991
9108	0.06099	0.06499	0.06199	0.06199	0.06299	0.06099
9808	0.067989	0.066989	0.066989	0.065989	0.066989	0.06199
10508	0.071989	0.071989	0.072988	0.070989	0.073988	0.073988
11208	0.076988	0.077988	0.081987	0.076988	0.076988	0.076988
11908	0.081987	0.083987	0.084987	0.082987	0.084987	0.082987
12608	0.088986	0.086986	0.090986	0.088986	0.092985	0.087986
13308	0.095985	0.091986	0.096985	0.094985	0.094985	0.093985
14008	0.099984	0.098984	0.100984	0.100984	0.100984	0.098984
14708	0.106983	0.107983	0.105983	0.103984	0.106983	0.107983
15408	0.112982	0.110983	0.113982	0.113982	0.110983	0.112982
16108	0.120981	0.120981	0.121981	0.120981	0.118981	0.119981
16808	0.12598	0.12698	0.12898	0.12598	0.123981	0.12698
17508	0.12998	0.12898	0.134979	0.132979	0.134979	0.131979
18208	0.134979	0.133979	0.136979	0.136979	0.140978	0.138978
18908	0.142978	0.143978	0.145977	0.144977	0.144977	0.143978
19608	0.149977	0.152976	0.152976	0.156976	0.150977	0.150977
20308	0.160975	0.157975	0.158975	0.160975	0.160975	0.155976
21008	0.167974	0.167974	0.170974	0.163975	0.164974	0.165974
21708	0.172973	0.173973	0.179972	0.170974	0.167974	0.172973
22408	0.182972	0.181972	0.184971	0.181972	0.183972	0.179972
23108	0.19197	0.19097	0.189971	0.189971	0.189971	0.188971
23808	0.19597	0.197969	0.19597	0.197969	0.197969	0.19597
24508	0.202969	0.200969	0.203968	0.201969	0.203968	0.204968
25208	0.210967	0.211967	0.211967	0.210967	0.212967	0.210967
25908	0.220966	0.218966	0.224965	0.216967	0.219966	0.219966
26608	0.229965	0.226965	0.226965	0.224965	0.225965	0.224965
27308	0.237963	0.235964	0.232964	0.234964	0.236963	0.233964
28008	0.241963	0.242963	0.241963	0.239963	0.237963	0.239963

# **Pebbling formulas with substitution xor of arity 2**

**Pebbling formulas, Gilbert-Tarjan graphs, substitution xor 2**  
**no shuffle, no preprocessing, no clause removal**  
**CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
22	0.001999	0.001999	0.0	0.000999	0.000999	0.001999
270	0.410937	0.158975	0.097985	541.648	0.168974	0.057991
520	1.75773	0.19197	0.119981	1088.605	0.469928	0.123981
954	3.65544	0.576912	0.25796	1800	1.19082	0.309952
1512	11.0873	1.2918	0.443932	1800	3.02554	0.969852
2362	19.99	5.18821	1.44478	1800	13.8009	1.52977
2464	21.1518	5.20121	1.47477	-	10.6424	2.06868
2850	26.453	4.06938	1.06984	-	8.10477	1.41379
4192	72.454	9.75452	1.77573	-	27.9677	3.05154
4434	78.676	10.2534	1.89571	-	30.0634	2.80857
4536	79.184	10.6914	2.00169	-	27.5088	3.56146
6490	136.673	31.8962	4.72528	-	89.3134	9.35458
6696	140.448	32.89	4.91625	-	90.1293	8.5487
7594	176.71	31.9041	4.5983	-	82.2095	6.90395
7696	178.391	32.723	4.66629	-	85.1201	5.9121
7938	189.824	34.3328	4.86126	-	80.6057	8.18475
11136	502.37	77.9232	8.15576	-	205.109	12.0442
11378	512.529	81.8546	8.51171	-	223.787	13.6849
11480	522.975	80.9007	8.5227	-	228.353	12.4951
11994	547.008	87.3817	9.15661	-	192.966	11.3493
12200	571.076	88.0726	9.47156	-	217.675	13.065
16714	1035.05	232.064	18.8211	-	583.43	29.7195
16816	1051.9	242.717	18.9321	-	619.094	28.6106
17058	1074.89	258.854	19.691	-	613.487	35.2706
17536	1124.42	255.463	20.3879	-	593.847	30.3324
17778	1145.56	267.949	20.6739	-	657.644	34.7017
17880	1139.72	265.179	21.1178	-	645.46	35.2506
20026	1415.3	287.38	21.8767	-	625.795	30.0044
20232	1491.87	301.826	22.6866	-	638.657	32.1171
20746	1519.95	304.306	24.0273	-	666.655	39.725
20848	1537.24	310.105	24.1183	-	665.642	30.1914
21090	1567.54	316.111	24.3493	-	652.559	35.0957
28576	1800	695.193	42.8375	-	1552.88	57.1953
28818	1800	714.818	43.8843	-	1526.88	81.5016
28920	1800	727.39	44.2593	-	1548.41	60.6648
29434	-	733.011	45.885	-	1506.525	94.4106
29640	-	749.235	46.7139	-	1578.37	82.6624
30826	-	797.306	50.5343	-	1568.515	108.508
30928	-	788.092	50.5053	-	1577.83	106.346
31170	-	813.875	52.315	-	1692.86	69.1415

**Pebbling formulas, Gilbert-Tarjan graphs, substitution xor 2  
no shuffle, no preprocessing, clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
22	0.002999	0.005999	0.026995	0.002999	0.000999	0.000999
270	0.221966	0.12998	0.095985	1.22881	0.138978	0.101984
520	1.14482	0.183972	0.095985	4.09238	0.202969	0.141978
954	3.11053	0.538918	0.264959	12.4821	0.772882	0.378942
1512	8.70168	1.24281	0.483926	44.6642	1.67475	0.493924
2362	16.2485	4.64929	1.35479	131.536	5.81212	2.13567
2464	17.0934	4.95825	1.45678	143.191	5.85511	1.23181
2850	22.2146	4.06838	1.10183	185.226	5.45117	1.09583
4192	60.6648	9.48256	1.78173	584.686	12.883	2.6086
4434	66.2249	10.3034	1.92971	562.671	13.026	3.08153
4536	68.8955	10.4794	2.01969	569.946	14.0059	2.48962
6490	122.913	30.8633	4.73528	1489.79	36.0195	6.69498
6696	123.189	30.2084	4.98624	1552.03	37.8292	6.48401
7594	155.496	31.9861	4.5803	1800	38.2312	6.74297
7696	160.277	31.7982	4.71428	1800	38.6251	4.71728
7938	167.91	34.2558	4.91525	1800	40.3549	6.51501
11136	422.673	74.5907	8.20875	1800	87.1328	9.8545
11378	436.899	79.125	8.5187	1800	101.755	11.0403
11480	441.317	78.793	8.5377	1800	97.0962	10.8933
11994	457.629	82.8174	9.07262	-	95.6785	11.3503
12200	470.987	85.802	9.47056	-	95.5285	10.1984
16714	860.374	210.676	18.3802	-	261.649	28.0827
16816	877.606	218.918	18.8291	-	270.675	25.6291
17058	898.949	229.588	19.3271	-	247.41	32.0261
17536	938.809	230.648	20.5889	-	271.431	33.2959
17778	969.052	240.318	20.3339	-	287.8	30.1164
17880	978.048	234.669	21.1528	-	298.218	27.0499
20026	1237.84	280.13	21.9007	-	293.355	27.1329
20232	1269.76	286.946	22.1556	-	312.234	25.8331
20746	1324.91	298.554	23.6034	-	299.313	28.3967
20848	1354.1	298.085	23.7734	-	314.192	27.2679
21090	1358.84	308.614	24.1693	-	323.199	31.0633
28576	1800	682.095	41.3107	-	778.785	49.8974
28818	1800	694.426	42.6445	-	760.386	65.1761
28920	1800	709.918	43.2644	-	766.493	66.7688
29434	-	709.783	43.3734	-	780.055	65.576
29640	-	743.469	45.3621	-	778.594	49.2715
30826	-	786.178	47.9387	-	776.36	81.2027
30928	-	773.647	48.6746	-	795.483	53.1979
31170	-	794.092	50.2194	-	833.031	53.4869

**Pebbling formulas, Gilbert-Tarjan graphs, substitution xor 2  
shuffle, no preprocessing, no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
22	0.001999	0.000999	0.000999	0.000999	0.000999	0.0
270	0.401938	0.159975	0.122981	799.687	0.177972	0.097985
520	1.60776	0.189971	0.096985	1123.79	0.415936	0.091986
954	3.97539	0.606907	0.270958	1800	1.64675	0.396939
1512	11.4723	1.3108	0.450931	1800	3.56846	0.568913
2362	20.4669	5.36018	1.3038	1800	12.7951	1.66375
2464	21.3068	5.37918	1.43478	-	11.1543	1.93371
2850	27.0269	4.14137	1.09383	-	10.5844	1.50377
4192	75.8785	9.92449	1.73274	-	25.6531	3.35849
4434	80.5138	10.6494	1.88571	-	32.4901	3.82942
4536	83.5253	11.2073	1.92271	-	27.2429	3.84042
6490	144.089	34.2208	4.81527	-	89.7324	9.70053
6696	149.891	35.7996	5.00524	-	96.0234	9.59754
7594	186.211	32.999	4.44732	-	83.5893	8.36473
7696	190.147	34.0438	4.67829	-	86.2439	5.2492
7938	201.474	35.7896	4.90825	-	80.8097	5.42218
11136	539.575	86.0929	8.42772	-	220.317	13.021
11378	559.297	85.8389	8.64269	-	217.532	14.2458
11480	574.994	89.8263	9.08162	-	243.737	14.3188
11994	603.383	95.1755	9.52555	-	207.144	13.131
12200	630.854	98.639	9.75052	-	238.241	15.3997
16714	1125.44	260.786	20.3499	-	731.656	32.5481
16816	1144.6	258.865	20.7288	-	665.225	38.0602
17058	1173.61	270.952	21.1538	-	662.312	31.5702
17536	1218.93	271.299	22.4836	-	681.739	36.3095
17778	1244.63	279.753	22.7885	-	628.592	35.0647
17880	1247.89	297.171	22.9905	-	630.39	37.3763
20026	1580.83	313.432	23.6764	-	658.83	32.99
20232	1606.85	323.915	24.1763	-	695.121	48.9116
20746	1664.55	335.467	25.5921	-	624.458	34.1908
20848	1687.755	343.709	25.9371	-	691.797	36.3995
21090	1712.48	351.564	26.8329	-	725.163	35.5226
28576	1800	781.118	46.16	-	1659.55	105.176
28818	1800	777.9	47.0019	-	1637.59	67.4707
28920	1800	804.719	47.8917	-	1690.38	99.7608
29434	-	832.732	48.9426	-	1735.28	112.614
29640	-	830.365	51.5162	-	1734.385	114.282
30826	-	874.463	53.9378	-	1718.765	92.8529
30928	-	883.139	54.4677	-	1689.84	121.178
31170	-	890.557	56.1425	-	1662.975	70.4973



**Pebbling formulas, Gilbert-Tarjan graphs, substitution xor 2  
shuffle, no preprocessing, clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
22	0.002999	0.007998	0.023996	0.002999	0.000999	0.000999
270	0.215967	0.12798	0.095985	1.02484	0.172973	0.072988
520	1.18482	0.180972	0.102984	4.05238	0.182972	0.136979
954	2.89656	0.551916	0.247962	11.7632	0.768883	0.317951
1512	8.97663	1.24481	0.467928	47.2068	1.76473	0.45593
2362	17.0094	4.84026	1.44878	134.927	5.15222	1.47078
2464	17.5403	4.85826	1.38079	133.671	5.44717	1.19982
2850	22.5786	4.11337	1.10383	186.71	5.65914	1.12083
4192	61.7706	9.90949	1.76573	610.679	14.6288	3.18052
4434	67.9377	10.2894	1.86272	628.73	15.2887	2.90356
4536	71.0022	11.0943	1.9927	602.601	13.248	2.67559
6490	125.431	31.5982	4.92925	1576.84	37.3493	6.70898
6696	127.844	32.2841	5.15422	1555.13	39.493	5.15921
7594	162.794	32.652	4.5763	1800	40.0249	7.02593
7696	164.374	34.1878	4.64329	1800	44.0563	6.71798
7938	174.047	36.4725	4.93325	1800	43.2474	5.2772
11136	445.013	80.7447	8.16776	-	106.153	11.2143
11378	453.682	81.3736	8.63769	-	107.313	11.7092
11480	463.314	83.6863	8.85465	-	106.177	11.3543
11994	499.639	89.8113	9.47356	-	108.095	11.2883
12200	517.099	94.6836	9.75352	-	99.3129	11.7772
16714	932.412	227.653	20.4399	-	274.98	26.8469
16816	924.293	229.965	20.3199	-	272.547	28.0527
17058	959.744	240.796	20.9098	-	268.421	29.3615
17536	1008.92	248.84	22.2766	-	299.992	32.3191
17778	1021.98	256.903	22.7115	-	286.275	30.5374
17880	1034.52	259.002	22.5706	-	305.348	30.6863
20026	1343.61	292.438	23.2545	-	317.798	30.9183
20232	1366.95	314.865	23.9724	-	326.458	28.8136
20746	1430.53	317.51	25.0272	-	329.032	28.5237
20848	1444.21	328.157	25.4811	-	350.282	31.3062
21090	1472.54	340.191	26.633	-	336.817	29.8885
28576	1800	752.639	44.5922	-	824.845	53.4599
28818	1800	762.868	45.2711	-	811.163	83.1744
28920	1800	767.142	45.958	-	841.415	86.7288
29434	-	806.698	47.9087	-	825.575	53.7598
29640	-	807.906	49.3535	-	849.981	70.9472
30826	-	846.452	51.4682	-	889.303	82.1505
30928	-	857.071	51.9641	-	899.242	87.5337
31170	-	869.319	53.9198	-	881.841	59.9579

**Pebbling formulas, Gilbert-Tarjan graphs, substitution xor 2  
no shuffle, preprocessing, no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
22	0.000999	0.000999	0.0	0.000999	0.000999	0.000999
270	0.003999	0.003999	0.004999	0.003999	0.003999	0.003999
520	0.007998	0.007998	0.008998	0.007998	0.007998	0.008998
954	0.013997	0.015997	0.013997	0.013997	0.013997	0.014997
1512	0.024996	0.024996	0.024996	0.023996	0.022996	0.023996
2362	0.038994	0.039993	0.038994	0.038994	0.039993	0.038994
2464	0.041993	0.041993	0.040993	0.040993	0.040993	0.039993
2850	0.045993	0.045993	0.044993	0.044993	0.044993	0.044993
4192	0.067989	0.067989	0.065989	0.068989	0.069989	0.066989
4434	0.072988	0.073988	0.073988	0.072988	0.073988	0.073988
4536	0.076988	0.076988	0.077988	0.077988	0.078987	0.077988
6490	0.107983	0.107983	0.104984	0.104984	0.104984	0.106983
6696	0.110983	0.110983	0.108983	0.110983	0.110983	0.107983
7594	0.120981	0.119981	0.118981	0.116982	0.121981	0.119981
7696	0.123981	0.12598	0.12598	0.123981	0.124981	0.123981
7938	0.12898	0.13098	0.12998	0.13098	0.124981	0.12698
11136	0.181972	0.185971	0.19097	0.183972	0.184971	0.181972
11378	0.184971	0.188971	0.186971	0.184971	0.188971	0.185971
11480	0.188971	0.19197	0.19097	0.19297	0.19197	0.188971
11994	0.204968	0.200969	0.206968	0.198969	0.201969	0.199969
12200	0.212967	0.216967	0.211967	0.211967	0.210967	0.212967
16714	0.292955	0.292955	0.291955	0.289955	0.288956	0.290955
16816	0.285956	0.286956	0.286956	0.290955	0.284956	0.282956
17058	0.297954	0.295955	0.296954	0.296954	0.294955	0.293955
17536	0.302953	0.303953	0.303953	0.305953	0.304953	0.305953
17778	0.313952	0.311952	0.315951	0.305953	0.308953	0.306953
17880	0.313952	0.315951	0.313952	0.314952	0.315951	0.315951
20026	0.341948	0.343947	0.336948	0.338948	0.340948	0.341948
20232	0.341948	0.344947	0.347947	0.343947	0.337948	0.339948
20746	0.346947	0.354946	0.350946	0.351946	0.354946	0.355945
20848	0.353946	0.354946	0.357945	0.355945	0.355945	0.352946
21090	0.369943	0.373943	0.369943	0.366944	0.373943	0.371943
28576	0.496924	0.499924	0.498924	0.495924	0.493924	0.498924
28818	0.503923	0.510922	0.512922	0.503923	0.505923	0.503923
28920	0.506922	0.505923	0.507922	0.507922	0.510922	0.511922
29434	0.506922	0.510922	0.513921	0.508922	0.510922	0.514921
29640	0.52192	0.514921	0.515921	0.513921	0.517921	0.509922
30826	0.551916	0.549916	0.555915	0.548916	0.552915	0.549916
30928	0.554915	0.553915	0.559914	0.553915	0.550916	0.554915
31170	0.553915	0.554915	0.559914	0.557915	0.558915	0.557915

**Pebbling formulas, Gilbert-Tarjan graphs, substitution xor 2  
no shuffle, preprocessing, clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
22	0.0	0.000999	0.000999	0.0	0.001999	0.000999
270	0.003999	0.003999	0.003999	0.003999	0.003999	0.003999
520	0.008998	0.007998	0.007998	0.007998	0.007998	0.007998
954	0.015997	0.014997	0.014997	0.014997	0.014997	0.014997
1512	0.023996	0.024996	0.024996	0.023996	0.023996	0.022996
2362	0.039993	0.036994	0.037994	0.037994	0.038994	0.038994
2464	0.039993	0.040993	0.039993	0.040993	0.039993	0.041993
2850	0.043993	0.045993	0.046992	0.044993	0.045993	0.044993
4192	0.06399	0.066989	0.067989	0.067989	0.066989	0.067989
4434	0.072988	0.070989	0.071989	0.072988	0.073988	0.071989
4536	0.076988	0.075988	0.077988	0.078987	0.077988	0.077988
6490	0.105983	0.105983	0.103984	0.104984	0.107983	0.106983
6696	0.109983	0.112982	0.107983	0.107983	0.112982	0.108983
7594	0.117982	0.118981	0.120981	0.118981	0.120981	0.119981
7696	0.123981	0.121981	0.12698	0.122981	0.121981	0.12598
7938	0.124981	0.12598	0.13098	0.12898	0.12998	0.12798
11136	0.183972	0.182972	0.183972	0.183972	0.184971	0.183972
11378	0.185971	0.184971	0.185971	0.186971	0.186971	0.181972
11480	0.183972	0.19097	0.189971	0.189971	0.189971	0.19097
11994	0.200969	0.202969	0.198969	0.203968	0.204968	0.201969
12200	0.210967	0.212967	0.209968	0.215967	0.212967	0.211967
16714	0.289955	0.290955	0.286956	0.286956	0.291955	0.288956
16816	0.284956	0.290955	0.283956	0.283956	0.287956	0.288956
17058	0.292955	0.293955	0.294955	0.293955	0.294955	0.292955
17536	0.302953	0.305953	0.300954	0.305953	0.302953	0.303953
17778	0.311952	0.310952	0.304953	0.311952	0.310952	0.309952
17880	0.317951	0.311952	0.316951	0.314952	0.319951	0.321951
20026	0.339948	0.336948	0.340948	0.339948	0.336948	0.335948
20232	0.342947	0.342947	0.342947	0.343947	0.340948	0.338948
20746	0.349946	0.349946	0.350946	0.354946	0.350946	0.352946
20848	0.354946	0.354946	0.352946	0.354946	0.350946	0.350946
21090	0.374943	0.367944	0.363944	0.370943	0.368943	0.367944
28576	0.499924	0.494924	0.498924	0.499924	0.498924	0.497924
28818	0.505923	0.495924	0.502923	0.504923	0.509922	0.503923
28920	0.507922	0.504923	0.506922	0.505923	0.512922	0.505923
29434	0.510922	0.505923	0.505923	0.502923	0.505923	0.506922
29640	0.509922	0.517921	0.514921	0.517921	0.513921	0.513921
30826	0.548916	0.547916	0.546916	0.544917	0.549916	0.549916
30928	0.546916	0.550916	0.546916	0.556915	0.548916	0.553915
31170	0.550916	0.553915	0.554915	0.554915	0.553915	0.554915

**Pebbling formulas, Gilbert-Tarjan graphs, substitution xor 2  
shuffle, preprocessing, no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
22	0.0	0.000999	0.0	0.0	0.0	0.000999
270	0.005999	0.004999	0.004999	0.004999	0.004999	0.003999
520	0.008998	0.008998	0.008998	0.008998	0.008998	0.008998
954	0.017997	0.016997	0.016997	0.016997	0.017997	0.017997
1512	0.026995	0.026995	0.027995	0.027995	0.027995	0.026995
2362	0.045993	0.044993	0.045993	0.046992	0.045993	0.045993
2464	0.046992	0.047992	0.047992	0.047992	0.047992	0.047992
2850	0.053991	0.054991	0.053991	0.054991	0.053991	0.054991
4192	0.082987	0.083987	0.081987	0.082987	0.081987	0.084987
4434	0.087986	0.085986	0.086986	0.088986	0.084987	0.088986
4536	0.089986	0.088986	0.087986	0.089986	0.088986	0.088986
6490	0.135979	0.135979	0.134979	0.135979	0.136979	0.134979
6696	0.137979	0.137979	0.136979	0.138978	0.141978	0.138978
7594	0.158975	0.159975	0.158975	0.158975	0.160975	0.157975
7696	0.159975	0.159975	0.160975	0.161975	0.161975	0.160975
7938	0.164974	0.167974	0.166974	0.165974	0.169974	0.166974
11136	0.250961	0.248962	0.247962	0.251961	0.251961	0.247962
11378	0.253961	0.254961	0.25896	0.253961	0.25796	0.255961
11480	0.25896	0.25896	0.25896	0.25996	0.25996	0.255961
11994	0.270958	0.270958	0.273958	0.273958	0.274958	0.270958
12200	0.274958	0.274958	0.273958	0.278957	0.281957	0.274958
16714	0.414936	0.414936	0.417936	0.415936	0.416936	0.414936
16816	0.418936	0.414936	0.419936	0.420936	0.421935	0.414936
17058	0.419936	0.420936	0.420936	0.426935	0.424935	0.423935
17536	0.437933	0.434933	0.442932	0.441932	0.439933	0.434933
17778	0.442932	0.444932	0.448931	0.445932	0.448931	0.445932
17880	0.446932	0.448931	0.450931	0.447931	0.45393	0.448931
20026	0.515921	0.510922	0.512922	0.508922	0.513921	0.510922
20232	0.51992	0.516921	0.517921	0.52192	0.52192	0.518921
20746	0.529919	0.534918	0.533918	0.533918	0.535918	0.532918
20848	0.533918	0.533918	0.543917	0.539917	0.540917	0.533918
21090	0.542917	0.539917	0.542917	0.541917	0.542917	0.546916
28576	0.796878	0.800878	0.797878	0.801878	0.803877	0.797878
28818	0.805877	0.804877	0.802877	0.807877	0.806877	0.805877
28920	0.811876	0.810876	0.805877	0.814876	0.812876	0.808877
29434	0.827874	0.822874	0.832873	0.829873	0.830873	0.825874
29640	0.829873	0.835872	0.841872	0.837872	0.833873	0.838872
30826	0.873867	0.876866	0.878866	0.879866	0.880866	0.868867
30928	0.879866	0.883865	0.884865	0.886865	0.888864	0.878866
31170	0.888864	0.885865	0.887865	0.890864	0.894863	0.891864

**Pebbling formulas, Gilbert-Tarjan graphs, substitution xor 2  
shuffle, preprocessing, clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
22	0.000999	0.0	0.0	0.000999	0.0	0.0
270	0.004999	0.004999	0.005999	0.004999	0.004999	0.003999
520	0.008998	0.008998	0.008998	0.008998	0.008998	0.007998
954	0.017997	0.016997	0.016997	0.016997	0.017997	0.016997
1512	0.028995	0.027995	0.028995	0.028995	0.027995	0.027995
2362	0.045993	0.044993	0.046992	0.046992	0.043993	0.042993
2464	0.046992	0.048992	0.048992	0.046992	0.047992	0.047992
2850	0.054991	0.054991	0.054991	0.052991	0.053991	0.052991
4192	0.082987	0.082987	0.081987	0.081987	0.080987	0.079987
4434	0.087986	0.086986	0.088986	0.087986	0.089986	0.086986
4536	0.089986	0.089986	0.090986	0.089986	0.087986	0.087986
6490	0.135979	0.134979	0.136979	0.134979	0.134979	0.131979
6696	0.141978	0.139978	0.138978	0.140978	0.140978	0.138978
7594	0.157975	0.157975	0.157975	0.158975	0.159975	0.159975
7696	0.160975	0.160975	0.163975	0.158975	0.162975	0.160975
7938	0.169974	0.166974	0.168974	0.166974	0.164974	0.168974
11136	0.249962	0.248962	0.246962	0.247962	0.246962	0.242963
11378	0.252961	0.253961	0.25796	0.252961	0.25796	0.250961
11480	0.25696	0.255961	0.25696	0.255961	0.25896	0.252961
11994	0.273958	0.274958	0.271958	0.274958	0.273958	0.269958
12200	0.277957	0.274958	0.277957	0.275958	0.277957	0.278957
16714	0.416936	0.416936	0.418936	0.414936	0.418936	0.408937
16816	0.418936	0.415936	0.422935	0.416936	0.416936	0.412937
17058	0.423935	0.422935	0.426935	0.425935	0.425935	0.424935
17536	0.438933	0.442932	0.439933	0.438933	0.436933	0.439933
17778	0.444932	0.447931	0.445932	0.440932	0.448931	0.444932
17880	0.447931	0.45493	0.450931	0.450931	0.450931	0.450931
20026	0.512922	0.510922	0.513921	0.512922	0.513921	0.511922
20232	0.517921	0.51992	0.517921	0.52092	0.52292	0.52092
20746	0.534918	0.535918	0.536918	0.532918	0.533918	0.530919
20848	0.538918	0.536918	0.536918	0.540917	0.538918	0.532918
21090	0.543917	0.544917	0.544917	0.545917	0.545917	0.540917
28576	0.796878	0.796878	0.797878	0.797878	0.803877	0.798878
28818	0.803877	0.800878	0.805877	0.806877	0.807877	0.809876
28920	0.809876	0.809876	0.814876	0.807877	0.809876	0.805877
29434	0.829873	0.831873	0.826874	0.825874	0.827874	0.826874
29640	0.834873	0.836872	0.838872	0.834873	0.833873	0.834873
30826	0.876866	0.880866	0.876866	0.875866	0.882865	0.875866
30928	0.874867	0.885865	0.879866	0.876866	0.875866	0.880866
31170	0.891864	0.888864	0.888864	0.891864	0.888864	0.886865

**Pebbling formulas, pyramid graphs, substitution xor 2**  
**no shuffle, no preprocessing, no clause removal**  
**CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
20	0.001999	0.000999	0.0	0.000999	0.0	0.000999
156	0.076988	0.021996	0.020996	1.74973	0.017997	0.009998
420	0.359945	0.103984	0.110983	91.1271	0.12898	0.066989
812	0.947855	0.297954	0.284956	137.95	0.431934	0.165974
1332	2.24266	0.677896	0.569913	216.952	1.19182	0.309952
1980	4.66329	1.37979	1.12783	409.527	2.58461	0.52292
2756	8.34573	2.47962	1.71874	213.294	4.66029	0.961853
3660	14.1099	4.19536	2.6376	216.83	8.99963	1.50177
4692	22.4396	6.64999	3.78143	299.265	13.6839	2.6036
5852	34.3038	10.0395	5.30719	390.324	20.9538	3.18952
7140	49.9854	14.1608	7.14491	362.071	29.3595	4.55331
8556	69.0755	19.957	8.86465	419.153	46.8309	7.17391
10100	93.8917	26.8159	12.0092	548.357	64.8801	8.61969
11772	128.602	36.0095	15.0867	559.909	85.565	11.3313
13572	168.602	47.7617	20.5889	728.01	117.107	14.2048
15500	222.885	62.4815	24.6892	633.519	150.989	17.5243
17556	293.985	81.8576	27.9378	802.261	196.732	25.0632
19740	381.288	106.399	37.8272	802.081	247.384	31.4562
22052	479.763	131.622	47.3458	704.599	307.376	38.8221
24492	609.201	165.848	53.8558	1090.345	366.298	43.7483
27060	756.915	203.947	67.7477	1252.33	443.306	57.1713
29756	935.465	249.588	78.3311	1299.1	529.655	72.377
32580	1131.06	301.345	98.686	1680.92	646.912	84.4142
35532	1356.41	367.287	122.249	1800	763.855	105.473
38612	1608.47	433.05	141.612	1800	910.419	135.289
41820	1800	505.947	172.471	1800	1067.99	161.069
45156	1800	590.846	194.9	1800	1247.12	185.386
48620	1800	690.161	245.158	1800	1449.42	212.459
52212	-	806.673	296.504	-	1709.33	248.018
55932	-	915.883	344.555	-	1800	306.421
59780	-	1039.29	368.397	-	1800	351.446
63756	-	1196.78	438.809	-	1800	406.47
67860	-	1394.79	480.877	-	-	485.157
72092	-	1539.96	543.459	-	-	572.686
76452	-	1721.17	652.578	-	-	646.207
80940	-	1800	743.452	-	-	767.987
85556	-	1800	836.086	-	-	828.048
90300	-	1800	949.339	-	-	962.761
95172	-	-	1114.99	-	-	1107.43
100172	-	-	1258.52	-	-	1195.25

**Pebbling formulas, pyramid graphs, substitution xor 2  
no shuffle, no preprocessing, clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
20	0.001999	0.000999	0.000999	0.000999	0.001999	0.000999
110	0.023996	0.012998	0.013997	0.058991	0.008998	0.008998
272	0.109983	0.049992	0.056991	0.231964	0.044993	0.034994
506	0.383941	0.131979	0.139978	0.554915	0.114982	0.089986
812	0.868867	0.288956	0.290955	1.54177	0.250961	0.148977
1190	1.74973	0.552915	0.494924	2.81457	0.540917	0.263959
1640	3.12453	0.950855	0.841872	6.83896	0.954854	0.481926
2162	5.35618	1.54876	1.21881	9.95549	1.82172	0.629904
2756	8.00178	2.40163	1.73974	15.7246	2.81457	0.859869
3422	12.5351	3.58745	2.36464	25.0692	4.18636	1.3088
4160	17.6843	5.16421	3.09253	39.353	6.51201	1.64675
4970	24.4603	7.2069	4.13037	51.0082	9.29859	2.55261
5852	33.3139	9.70452	5.36218	62.0136	13.12	2.90956
6806	44.1303	12.7731	6.86895	105.628	16.8904	3.68644
7832	57.9712	16.4615	8.22475	115.756	21.7557	4.55131
8930	73.6168	21.1578	9.51155	132.456	29.1896	7.12392
10100	90.7742	26.296	12.5511	158.465	37.5093	8.18276
11342	114.086	32.595	14.1518	197.342	46.4489	9.12261
12656	142.719	40.5758	16.6325	228.287	59.346	11.3843
14042	175.418	49.0075	19.978	253.666	78.4291	13.11
15500	216.802	60.0699	24.8882	319.634	89.2594	15.5716
17030	263.581	74.4037	28.0177	356.539	117.024	22.5396
18632	323.989	89.6934	31.8902	391.684	143.509	25.3701
20306	394.495	107.887	37.8642	466.77	171.037	29.0386
22052	468.788	127.893	44.6742	556.411	191.539	33.045
23870	572.641	154.01	53.2389	657.062	256.139	38.8791
25760	673.27	179.697	61.7276	763.628	283.763	45.4621
27722	798.321	212.34	70.8042	913.708	331.046	52.2221
29756	924.871	245.168	74.5387	1004.62	376.769	56.3754
31862	1068.84	284.261	89.9163	1103.08	443.919	69.0595
34040	1227.02	330.93	96.0804	1280.08	511.065	85.63
36290	1419.72	380.841	112.392	1589.93	553.95	96.6663
38612	1612.48	432.28	127.115	1616.03	648.216	109.057
41006	1800	481.74	147.262	1578.25	745.75	123.423
43472	1800	553.0	172.377	1800	872.955	142.952
46010	1800	627.372	194.612	1800	934.656	158.361
48620	1800	693.14	233.89	1800	1058.89	174.732
51302	-	774.292	255.639	1800	1197.9	212.795
54056	-	857.383	273.202	-	1359.99	243.365
56882	-	956.739	312.091	-	1526.87	261.262

**Pebbling formulas, pyramid graphs, substitution xor 2  
shuffle, no preprocessing, no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
20	0.001999	0.000999	0.000999	0.000999	0.000999	0.000999
156	0.066989	0.023996	0.019996	5.2492	0.017997	0.016997
420	0.289955	0.105983	0.102984	62.0816	0.108983	0.06399
812	0.98285	0.304953	0.272958	127.638	0.447931	0.174973
1332	2.30465	0.697893	0.600908	202.098	1.17482	0.379942
1980	4.73628	1.41379	1.04184	136.076	2.6166	0.658899
2756	8.67768	2.56661	1.75673	289.316	4.39133	1.10083
3660	14.7448	4.27835	2.79557	216.298	9.05062	1.43878
4692	23.6734	6.93795	3.86641	253.251	14.7408	2.32965
5852	35.6546	10.4974	5.42817	457.433	21.5257	3.55146
7140	52.341	15.0197	7.57485	412.516	35.8825	4.33934
8556	73.2499	21.2828	9.77751	472.223	47.2788	7.8778
10100	101.046	28.8656	13.39	338.861	66.9538	9.31058
11772	136.539	38.4961	17.1144	447.836	89.8743	11.8462
13572	182.122	51.5782	21.9667	661.144	119.048	15.8036
15500	242.769	68.3986	27.7518	738.834	164.187	18.1962
17556	319.677	90.3963	33.2399	845.705	203.524	29.5105
19740	418.546	115.761	43.6734	755.291	257.046	35.9585
22052	531.207	147.227	49.1425	814.145	315.99	41.7087
24492	668.424	183.155	64.2252	1156.655	403.567	50.4663
27060	828.117	224.838	78.988	1800	487.042	60.7968
29756	1024.68	277.755	95.7774	1426.31	584.9	75.3295
32580	1245.25	335.083	110.758	1613.95	708.889	90.7142
35532	1506.08	407.74	142.846	1629.755	817.123	124.982
38612	1783.15	482.441	168.861	1800	985.969	141.459
41820	1800	569.229	209.835	1800	1149.22	173.816
45156	1800	663.915	248.8	1800	1344.72	209.48
48620	1800	772.832	284.749	1800	1582.03	241.3
52212	-	896.93	347.403	-	1800	284.951
55932	-	1032.52	387.009	-	1800	340.889
59780	-	1185.38	472.109	-	1800	393.529
63756	-	1353.67	536.998	-	1800	455.304
67860	-	1561.49	615.819	-	-	517.627
72092	-	1763.28	716.011	-	-	616.052
76452	-	1800	802.132	-	-	716.991
80940	-	1800	947.647	-	-	841.263
85556	-	1800	1074.21	-	-	942.204
90300	-	-	1161.65	-	-	1071.55
95172	-	-	1280.45	-	-	1203.23
100172	-	-	1524.1	-	-	1340.9



Pebbling formulas, pyramid graphs, substitution xor 2  
shuffle, no preprocessing, clause removal  
CPU time expressed in seconds

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
20	0.001999	0.000999	0.000999	0.0	0.000999	0.0
110	0.024996	0.013997	0.013997	0.053991	0.012998	0.010998
272	0.113982	0.049992	0.057991	0.241963	0.043993	0.034994
506	0.377942	0.131979	0.12998	0.706892	0.111982	0.080987
812	0.904862	0.292955	0.271958	1.3478	0.293955	0.166974
1190	1.79273	0.559914	0.484926	2.99055	0.565913	0.306953
1640	3.24251	0.961853	0.831873	6.24505	1.04384	0.461929
2162	5.31319	1.59676	1.19782	11.6782	1.81072	0.78488
2756	8.27474	2.49262	1.77473	16.6975	2.86057	0.92086
3422	12.4631	3.68344	2.49062	25.5381	4.46132	1.25781
4160	18.3872	5.38618	3.24151	36.8454	6.82696	2.19367
4970	25.3791	7.47086	4.31934	55.3466	9.8885	2.6346
5852	34.7277	10.2014	5.37418	67.5047	13.7139	3.16052
6806	46.336	13.5629	6.91295	105.898	17.8113	3.82042
7832	60.2148	17.5513	8.74667	106.204	23.6574	4.72228
8930	77.9022	22.6116	10.2394	158.407	31.3562	7.56085
10100	97.8111	28.5697	12.922	165.668	40.5538	8.21175
11342	123.785	35.3226	15.1107	211.834	51.3872	10.3974
12656	153.121	43.2674	18.5472	258.425	63.2054	12.4641
14042	187.616	53.2179	22.1176	255.16	84.3322	13.9119
15500	234.79	65.3431	26.079	333.742	99.0119	17.8233
17030	286.995	81.3546	32.5001	394.242	124.257	24.7692
18632	357.586	99.3529	37.5283	475.003	153.335	28.7716
20306	430.567	119.454	44.0603	560.117	176.758	31.6812
22052	524.502	141.388	49.7074	564.731	215.205	35.3516
23870	627.543	169.681	59.465	696.176	260.025	41.2907
25760	743.394	199.103	70.8952	736.442	307.971	47.4438
27722	866.825	231.52	75.6945	984.781	353.678	55.5845
29756	1012.94	273.242	90.0353	1059.66	411.26	65.694
31862	1180.93	313.78	103.398	1185.15	500.047	75.1756
34040	1368.02	369.808	112.216	1204.03	542.214	104.788
36290	1559.02	423.54	132.837	1391.67	613.867	106.309
38612	1777.53	477.725	155.041	1800	718.478	123.599
41006	1800	542.406	177.178	1637.29	836.478	136.619
43472	1800	614.498	213.777	1800	978.74	155.454
46010	1800	693.771	243.653	1800	1035.21	182.439
48620	-	772.128	277.314	1800	1174.21	204.158
51302	-	862.924	316.806	1800	1325.63	221.712
54056	-	959.523	348.716	-	1513.57	263.2
56882	-	1069.51	390.716	-	1676.76	298.222

**Pebbling formulas, pyramid graphs, substitution xor 2  
no shuffle, preprocessing, no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
20	0.000999	0.000999	0.0	0.0	0.000999	0.0
156	0.001999	0.002999	0.001999	0.001999	0.001999	0.001999
420	0.005999	0.005999	0.005999	0.006998	0.005999	0.006998
812	0.012998	0.010998	0.011998	0.011998	0.012998	0.012998
1332	0.020996	0.020996	0.020996	0.020996	0.019996	0.019996
1980	0.031995	0.030995	0.030995	0.031995	0.031995	0.030995
2756	0.043993	0.043993	0.044993	0.044993	0.043993	0.043993
3660	0.057991	0.058991	0.058991	0.057991	0.058991	0.058991
4692	0.074988	0.074988	0.075988	0.075988	0.073988	0.074988
5852	0.093985	0.092985	0.093985	0.092985	0.092985	0.092985
7140	0.114982	0.115982	0.112982	0.113982	0.114982	0.114982
8556	0.136979	0.138978	0.136979	0.138978	0.138978	0.135979
10100	0.162975	0.164974	0.160975	0.162975	0.161975	0.165974
11772	0.19397	0.19497	0.19397	0.19297	0.19197	0.19697
13572	0.229965	0.228965	0.226965	0.223965	0.227965	0.225965
15500	0.25896	0.26196	0.25796	0.25796	0.25796	0.265959
17556	0.293955	0.295955	0.292955	0.299954	0.297954	0.293955
19740	0.335948	0.339948	0.337948	0.339948	0.337948	0.331949
22052	0.371943	0.375942	0.375942	0.378942	0.377942	0.376942
24492	0.423935	0.421935	0.422935	0.420936	0.421935	0.424935
27060	0.467928	0.470928	0.469928	0.475927	0.475927	0.470928
29756	0.515921	0.515921	0.517921	0.52192	0.52392	0.513921
32580	0.562914	0.566913	0.567913	0.571913	0.560914	0.564914
35532	0.619905	0.618905	0.627904	0.630904	0.625904	0.621905
38612	0.679896	0.679896	0.683896	0.686895	0.680896	0.676897
41820	0.734888	0.737887	0.738887	0.733888	0.735888	0.735888
45156	0.799878	0.802877	0.799878	0.802877	0.799878	0.806877
48620	0.864868	0.860869	0.858869	0.862868	0.863868	0.862868
52212	0.931858	0.936857	0.934857	0.933858	0.931858	0.943856
55932	0.992849	0.998848	0.992849	0.988849	0.993848	0.997848
59780	1.06084	1.06284	1.07084	1.07584	1.06484	1.06684
63756	1.13283	1.14083	1.14283	1.15082	1.15182	1.15182
67860	1.21582	1.21182	1.21881	1.21981	1.21881	1.21681
72092	1.2878	1.2948	1.2828	1.3058	1.2908	1.2918
76452	1.37979	1.38679	1.37579	1.38379	1.38179	1.38379
80940	1.46278	1.46078	1.46478	1.46778	1.46478	1.45678
85556	1.56176	1.54876	1.55576	1.56076	1.54876	1.56376
90300	1.63275	1.63975	1.63875	1.64075	1.62475	1.64675
95172	1.71674	1.72574	1.72474	1.72874	1.72774	1.72974
100172	1.81272	1.82372	1.82172	1.82572	1.81872	1.81772

**Pebbling formulas, pyramid graphs, substitution xor 2**  
**no shuffle, preprocessing, clause removal**  
**CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
20	0.000999	0.000999	0.000999	0.000999	0.000999	0.0
110	0.001999	0.001999	0.001999	0.001999	0.001999	0.001999
272	0.004999	0.004999	0.003999	0.003999	0.003999	0.003999
506	0.007998	0.006998	0.007998	0.007998	0.006998	0.006998
812	0.012998	0.011998	0.011998	0.012998	0.012998	0.012998
1190	0.017997	0.019996	0.018997	0.018997	0.019996	0.018997
1640	0.026995	0.025996	0.025996	0.025996	0.025996	0.025996
2162	0.032994	0.033994	0.033994	0.034994	0.033994	0.032994
2756	0.043993	0.045993	0.043993	0.044993	0.043993	0.045993
3422	0.055991	0.054991	0.053991	0.055991	0.055991	0.055991
4160	0.066989	0.066989	0.066989	0.065989	0.065989	0.065989
4970	0.076988	0.079987	0.077988	0.080987	0.079987	0.078987
5852	0.092985	0.095985	0.094985	0.092985	0.092985	0.093985
6806	0.108983	0.110983	0.109983	0.109983	0.109983	0.107983
7832	0.12698	0.12598	0.124981	0.124981	0.12598	0.120981
8930	0.147977	0.144977	0.141978	0.145977	0.142978	0.140978
10100	0.165974	0.162975	0.160975	0.159975	0.165974	0.162975
11342	0.187971	0.184971	0.183972	0.183972	0.186971	0.185971
12656	0.207968	0.210967	0.211967	0.207968	0.210967	0.209968
14042	0.231964	0.233964	0.230964	0.236963	0.234964	0.231964
15500	0.25996	0.26296	0.26096	0.255961	0.26196	0.26296
17030	0.287956	0.288956	0.284956	0.288956	0.286956	0.287956
18632	0.316951	0.321951	0.318951	0.315951	0.317951	0.317951
20306	0.348946	0.347947	0.349946	0.347947	0.343947	0.351946
22052	0.381941	0.379942	0.375942	0.380942	0.381941	0.375942
23870	0.412937	0.413937	0.413937	0.413937	0.412937	0.412937
25760	0.451931	0.448931	0.448931	0.448931	0.442932	0.442932
27722	0.484926	0.482926	0.482926	0.481926	0.486925	0.490925
29756	0.518921	0.513921	0.514921	0.52392	0.514921	0.51992
31862	0.558915	0.560914	0.560914	0.558915	0.552915	0.559914
34040	0.592909	0.594909	0.58591	0.58991	0.592909	0.595909
36290	0.641902	0.638902	0.627904	0.640902	0.630904	0.632903
38612	0.688895	0.688895	0.679896	0.681896	0.680896	0.683896
41006	0.725889	0.723889	0.724889	0.724889	0.71889	0.72289
43472	0.767883	0.769882	0.772882	0.770882	0.772882	0.763883
46010	0.817875	0.825874	0.820875	0.817875	0.813876	0.817875
48620	0.865868	0.863868	0.863868	0.867868	0.866868	0.865868
51302	0.91486	0.91586	0.913861	0.91686	0.91886	0.91786
54056	0.966853	0.969852	0.964853	0.961853	0.971852	0.968852
56882	1.01984	1.02084	1.00885	1.01585	1.01484	1.01385

**Pebbling formulas, pyramid graphs, substitution xor 2  
shuffle, preprocessing, no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
20	0.0	0.000999	0.000999	0.000999	0.0	0.000999
156	0.001999	0.002999	0.002999	0.001999	0.002999	0.002999
420	0.006998	0.006998	0.006998	0.006998	0.007998	0.006998
812	0.014997	0.013997	0.013997	0.014997	0.013997	0.014997
1332	0.023996	0.024996	0.023996	0.023996	0.023996	0.024996
1980	0.037994	0.036994	0.035994	0.035994	0.037994	0.036994
2756	0.051992	0.052991	0.052991	0.050992	0.052991	0.052991
3660	0.070989	0.072988	0.071989	0.070989	0.070989	0.071989
4692	0.091986	0.092985	0.094985	0.092985	0.094985	0.092985
5852	0.121981	0.119981	0.117982	0.121981	0.116982	0.119981
7140	0.149977	0.149977	0.148977	0.150977	0.150977	0.148977
8556	0.185971	0.183972	0.179972	0.185971	0.183972	0.183972
10100	0.220966	0.218966	0.222966	0.222966	0.222966	0.222966
11772	0.265959	0.268959	0.267959	0.268959	0.267959	0.273958
13572	0.321951	0.318951	0.319951	0.320951	0.318951	0.320951
15500	0.376942	0.373943	0.378942	0.377942	0.377942	0.378942
17556	0.445932	0.442932	0.443932	0.442932	0.439933	0.442932
19740	0.511922	0.517921	0.514921	0.510922	0.508922	0.509922
22052	0.582911	0.58691	0.583911	0.58791	0.58691	0.58791
24492	0.667898	0.668898	0.671897	0.664898	0.668898	0.667898
27060	0.754885	0.754885	0.755885	0.755885	0.751885	0.751885
29756	0.85187	0.84987	0.843871	0.85087	0.846871	0.843871
32580	0.953854	0.942856	0.950855	0.950855	0.949855	0.944856
35532	1.06284	1.05884	1.05284	1.06684	1.06084	1.05384
38612	1.19182	1.19182	1.18782	1.18882	1.18782	1.17882
41820	1.3178	1.3168	1.3158	1.3148	1.3198	1.3128
45156	1.45278	1.46078	1.45878	1.45578	1.46178	1.45078
48620	1.60176	1.61275	1.60976	1.61175	1.60576	1.60176
52212	1.75973	1.76273	1.76073	1.76973	1.76573	1.76273
55932	1.9417	1.93471	1.93571	1.93971	1.9367	1.92971
59780	2.11768	2.11368	2.11868	2.11068	2.12568	2.10668
63756	2.29365	2.29565	2.29665	2.29865	2.30665	2.28665
67860	2.48162	2.48662	2.47962	2.49162	2.48262	2.47862
72092	2.68659	2.67959	2.68559	2.68659	2.67859	2.68559
76452	2.89356	2.88356	2.89356	2.88156	2.89956	2.88056
80940	3.10153	3.11053	3.09553	3.10753	3.10853	3.09453
85556	3.32949	3.33949	3.33649	3.34249	3.33849	3.33349
90300	3.57546	3.57246	3.56946	3.55346	3.56346	3.54646
95172	3.80742	3.79742	3.79442	3.80442	3.79542	3.78742
100172	4.04838	4.04538	4.03939	4.04938	4.04239	4.05038

**Pebbling formulas, pyramid graphs, substitution xor 2  
shuffle, preprocessing, clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
20	0.000999	0.000999	0.0	0.000999	0.0	0.0
110	0.001999	0.001999	0.001999	0.001999	0.001999	0.001999
272	0.003999	0.003999	0.005999	0.003999	0.003999	0.003999
506	0.008998	0.008998	0.007998	0.008998	0.007998	0.007998
812	0.014997	0.013997	0.013997	0.013997	0.013997	0.012998
1190	0.020996	0.020996	0.021996	0.020996	0.021996	0.022996
1640	0.030995	0.030995	0.030995	0.029995	0.029995	0.030995
2162	0.040993	0.040993	0.041993	0.040993	0.039993	0.039993
2756	0.052991	0.051992	0.052991	0.051992	0.052991	0.053991
3422	0.067989	0.066989	0.066989	0.066989	0.065989	0.065989
4160	0.082987	0.081987	0.079987	0.081987	0.081987	0.082987
4970	0.098984	0.098984	0.098984	0.097985	0.100984	0.100984
5852	0.120981	0.118981	0.119981	0.118981	0.120981	0.118981
6806	0.142978	0.139978	0.141978	0.140978	0.144977	0.139978
7832	0.166974	0.164974	0.170974	0.165974	0.163975	0.166974
8930	0.19597	0.19197	0.19197	0.19097	0.19397	0.19297
10100	0.222966	0.221966	0.223965	0.220966	0.222966	0.223965
11342	0.25896	0.25796	0.25796	0.253961	0.253961	0.255961
12656	0.293955	0.292955	0.290955	0.293955	0.293955	0.290955
14042	0.332949	0.335948	0.334949	0.333949	0.331949	0.330949
15500	0.377942	0.376942	0.377942	0.377942	0.377942	0.377942
17030	0.423935	0.424935	0.421935	0.419936	0.423935	0.421935
18632	0.472928	0.477927	0.477927	0.472928	0.477927	0.471928
20306	0.528919	0.530919	0.529919	0.531919	0.527919	0.526919
22052	0.582911	0.580911	0.578911	0.583911	0.583911	0.580911
23870	0.641902	0.644901	0.644901	0.642902	0.646901	0.641902
25760	0.711891	0.706892	0.708892	0.710891	0.709892	0.707892
27722	0.774882	0.774882	0.770882	0.772882	0.777881	0.772882
29756	0.85187	0.845871	0.841872	0.845871	0.842871	0.847871
31862	0.921859	0.92086	0.91986	0.923859	0.921859	0.92086
34040	0.996848	1.00085	0.999848	1.00185	1.00185	0.997848
36290	1.08683	1.08783	1.09183	1.08983	1.09483	1.08583
38612	1.17682	1.18582	1.18982	1.18382	1.18582	1.18182
41006	1.27281	1.2808	1.2828	1.2828	1.2808	1.2768
43472	1.37779	1.38579	1.37679	1.38279	1.38179	1.38979
46010	1.48577	1.48777	1.48877	1.48377	1.48777	1.49377
48620	1.60576	1.60376	1.60076	1.60376	1.59676	1.59076
51302	1.71874	1.72874	1.72474	1.72074	1.72074	1.71774
54056	1.83872	1.84972	1.85572	1.84872	1.84972	1.84372
56882	1.9767	1.9867	1.9757	1.9767	1.9867	1.9857

**Pebbling formulas, width 2 chain graphs, substitution xor 2  
no shuffle, no preprocessing, no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
202	1.14283	0.075988	0.052991	159.764	0.039993	0.032994
402	5.08323	0.249962	0.176973	703.885	0.188971	0.085986
602	12.2941	0.555915	0.221966	1800	0.601908	0.157975
802	21.4747	1.16382	0.422935	1800	0.882865	0.226965
1002	35.1507	1.88371	0.472928	1800	2.22566	0.32695
1202	53.9548	2.93155	0.690894	1800	2.98955	0.315951
1402	77.4962	4.05538	0.703892	-	3.21251	0.418936
1602	100.501	5.77112	1.04184	-	3.74443	0.623905
1802	130.379	7.63784	1.17882	-	7.57985	0.594909
2002	164.293	10.3004	1.09783	-	11.5252	0.694894
2202	206.147	12.5121	1.46578	-	15.6126	0.868867
2402	261.219	16.2435	1.41978	-	15.7146	1.19282
2602	320.534	18.8151	1.65075	-	17.4823	0.91786
2802	380.917	23.2865	1.89471	-	22.7625	1.36379
3002	456.159	27.1929	2.09268	-	26.444	1.57376
3202	548.285	34.8667	2.43663	-	37.2843	1.43878
3402	640.016	34.9217	2.39164	-	44.9232	2.02069
3602	771.311	43.1754	2.97255	-	50.9713	1.77273
3802	859.445	49.5775	2.74658	-	49.2805	2.18067
4002	991.094	55.2006	3.10153	-	77.9681	2.37164
4202	1131.92	62.7965	3.17252	-	69.7404	2.57861
4402	1296.45	72.033	3.38049	-	100.954	2.6016
4602	1411.93	83.1364	3.80542	-	98.0081	2.49162
4802	1619.05	97.3032	3.80842	-	93.6458	2.86856
5002	1800	100.825	3.9394	-	107.945	3.87641
5202	1800	116.204	4.17537	-	107.527	4.16737
5402	1800	124.06	4.33634	-	125.376	3.64145
5602	1800	145.623	4.55231	-	148.863	4.14437
5802	-	164.387	4.93625	-	170.67	5.46917
6002	-	183.65	4.99324	-	201.597	4.24535
6202	-	190.521	5.53616	-	211.802	3.65444
6402	-	220.533	5.51216	-	252.604	6.15506
6602	-	215.573	5.63714	-	263.498	5.41518
6802	-	248.784	6.06908	-	303.801	5.53616
7002	-	275.104	5.97009	-	305.618	6.08007
7202	-	262.607	6.80996	-	356.112	5.36318
7402	-	314.235	7.17291	-	339.154	5.45717
7602	-	327.936	7.2119	-	427.991	5.49316
7802	-	354.444	7.32089	-	440.598	5.41318
8002	-	376.352	7.64884	-	482.74	6.06508

**Pebbling formulas, width 2 chain graphs, substitution xor 2  
no shuffle, no preprocessing, clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
282	1.00185	0.120981	0.06499	3.00854	0.089986	0.056991
562	4.95525	0.433934	0.211967	16.7205	0.353946	0.180972
842	10.5164	1.19982	0.413937	45.3451	0.947855	0.252961
1122	20.009	2.18967	0.542917	111.427	1.79173	0.45993
1402	31.5662	3.63045	0.843871	178.119	2.84257	0.693894
1682	47.0079	5.9161	0.987849	299.015	4.69529	0.892864
1962	65.2641	8.59269	1.13283	488.648	6.08207	1.86172
2242	89.8563	11.3373	1.41179	648.448	10.0395	2.97355
2522	115.08	15.6606	1.49377	884.545	11.4283	2.6046
2802	145.441	20.6199	1.86972	1081.72	14.2758	2.55661
3082	181.582	24.6423	2.20866	1541.2	21.6517	2.03369
3362	221.541	29.6235	2.29165	1800	27.5968	4.75328
3642	261.247	37.7073	2.67759	1800	35.6836	1.82272
3922	318.201	44.3963	3.03654	1800	38.9901	2.82757
4202	365.802	54.9107	3.12153	1800	42.3576	4.00339
4482	428.711	65.544	3.50247	-	47.3708	2.85857
4762	493.083	70.4473	3.51247	-	56.9043	6.17506
5042	568.758	83.4623	4.19936	-	78.0451	4.95225
5322	629.16	97.7491	4.46232	-	78.902	5.87211
5602	722.808	113.567	4.24235	-	85.8719	6.47401
5882	803.763	125.164	4.65129	-	107.901	7.28589
6162	898.019	131.943	5.29719	-	127.785	6.04208
6442	995.247	148.447	5.38018	-	133.992	7.06293
6722	1096.06	173.625	5.76512	-	151.938	11.5142
7002	1196.5	182.79	6.18906	-	166.195	11.0153
7282	1311.65	204.808	6.26605	-	178.48	10.7954
7562	1434.45	232.572	7.16391	-	199.199	8.91264
7842	1574.22	243.279	7.93379	-	249.453	12.7441
8122	1726.05	270.554	7.85381	-	274.069	12.0862
8402	1800	314.591	8.26874	-	293.702	18.3422
8682	1800	329.705	8.62369	-	303.345	14.2498
8962	1800	381.219	8.28774	-	323.067	9.92349
9242	-	403.069	9.1846	-	383.688	11.9772
9522	-	409.36	9.38457	-	395.708	19.1441
9802	-	450.352	9.80151	-	431.696	11.4393
10082	-	480.086	9.99648	-	490.27	15.7816
10362	-	532.528	10.9423	-	555.19	24.3363
10642	-	591.2	11.0203	-	602.583	13.5239
10922	-	625.577	11.4633	-	575.837	27.0119
11202	-	655.072	12.0912	-	656.138	22.4576

**Pebbling formulas, width 2 chain graphs, substitution xor 2  
shuffle, no preprocessing, no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
202	1.27481	0.072988	0.06199	102.608	0.039993	0.029995
402	5.54716	0.245962	0.168974	745.142	0.166974	0.087986
602	12.3581	0.627904	0.202955	1800	0.580911	0.117982
802	23.4474	1.15882	0.402925	1800	0.805877	0.226965
1002	38.6531	1.93471	0.526919	1800	2.41063	0.297954
1202	56.4024	2.90056	0.754885	1800	2.94655	0.366944
1402	76.1404	4.32134	0.751885	-	3.48247	0.513921
1602	102.462	6.11207	0.92086	-	5.2842	0.665898
1802	137.042	8.18176	1.27581	-	7.64284	0.736887
2002	171.724	10.8244	1.37979	-	13.326	1.07184
2202	209.768	14.0179	1.41078	-	14.2868	1.16282
2402	260.641	15.1807	1.55876	-	16.7655	1.42178
2602	335.249	18.7581	1.73774	-	16.9304	1.38979
2802	407.184	24.2273	1.9657	-	25.7681	1.3128
3002	452.834	29.3935	1.88571	-	32.4521	1.70474
3202	578.643	32.3001	2.37564	-	35.3626	1.52077
3402	659.488	40.6988	2.42663	-	48.4876	1.47978
3602	798.313	44.1223	2.53062	-	52.466	2.38164
3802	911.453	53.0659	2.57261	-	71.5891	2.56261
4002	1021.45	58.981	2.88656	-	76.3774	2.46362
4202	1199.55	69.2935	3.2805	-	89.7614	2.6046
4402	1311.3	78.5831	3.19751	-	102.356	3.17252
4602	1473.47	85.354	3.38648	-	102.145	3.9654
4802	1703.71	95.8824	3.90041	-	104.061	3.65644
5002	1800	104.534	4.17836	-	115.043	3.24151
5202	1800	124.113	4.17636	-	126.723	4.49632
5402	1800	145.087	4.24136	-	145.725	4.24435
5602	-	147.753	4.54731	-	176.359	4.71128
5802	-	170.898	4.45132	-	184.441	3.69444
6002	-	180.951	4.68729	-	216.45	4.73028
6202	-	196.248	5.86611	-	252.946	4.21536
6402	-	215.151	5.97209	-	270.397	6.12907
6602	-	227.752	5.54416	-	267.552	4.68629
6802	-	264.223	6.09307	-	272.203	5.34319
7002	-	282.753	5.82012	-	280.425	5.9011
7202	-	284.989	6.62699	-	344.354	5.78712
7402	-	325.467	6.547	-	373.986	8.15376
7602	-	347.592	6.588	-	475.719	6.04108
7802	-	371.103	7.29289	-	506.217	5.72313
8002	-	420.433	7.03693	-	469.896	6.43002



**Pebbling formulas, width 2 chain graphs, substitution xor 2  
shuffle, no preprocessing, clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
282	0.98085	0.12598	0.102984	3.41848	0.097985	0.074988
562	4.90425	0.436933	0.230964	16.4185	0.467928	0.213967
842	10.6844	1.09983	0.445932	46.6289	0.912861	0.397939
1122	20.3339	2.14667	0.638902	113.294	2.32365	0.440932
1402	32.0261	3.83642	0.836872	194.969	2.97355	1.02684
1682	47.2518	6.28204	1.10783	318.48	4.76028	0.830873
1962	66.8398	8.98363	1.36679	491.041	7.55785	1.10083
2242	90.3553	12.7181	1.45378	687.389	10.4484	2.36264
2522	117.64	16.6175	1.73774	906.908	13.018	1.52777
2802	149.813	20.1499	1.85872	1140.55	18.5632	4.31734
3082	189.871	26.347	2.07668	1590.79	21.9617	3.14952
3362	225.374	33.3829	2.44863	1800	26.335	2.19966
3642	280.233	38.3502	2.6436	1800	33.4439	5.39218
3922	329.148	46.4839	2.93155	1800	39.136	2.87756
4202	384.663	58.5191	3.11852	-	49.4665	4.22936
4482	445.689	66.5559	3.2585	-	49.5005	5.71013
4762	524.199	78.5751	3.79242	-	61.9706	6.32904
5042	594.912	92.9929	3.88041	-	78.2331	8.66868
5322	682.249	105.392	4.27835	-	79.5359	6.97794
5602	760.211	113.277	4.73928	-	90.2123	9.79551
5882	855.889	127.007	4.65229	-	128.122	6.61499
6162	950.606	149.931	5.11222	-	138.267	7.8888
6442	1059.63	165.294	5.37318	-	154.705	6.75997
6722	1159.82	183.521	5.60615	-	152.924	11.6712
7002	1280.08	207.724	6.01309	-	194.71	9.77551
7282	1414.37	221.213	6.553	-	205.266	17.5643
7562	1549.13	246.53	6.90195	-	235.446	14.5508
7842	1700.65	278.843	7.2449	-	255.614	10.1165
8122	1800	285.708	6.84796	-	291.366	16.8824
8402	1800	346.457	7.55285	-	298.789	15.3827
8682	1800	357.27	7.73082	-	312.572	12.3021
8962	-	414.446	8.24575	-	352.626	13.333
9242	-	423.345	8.67368	-	416.488	9.32458
9522	-	468.533	9.57754	-	431.46	22.7925
9802	-	496.368	9.58854	-	513.629	30.1584
10082	-	526.413	9.68953	-	476.721	16.4625
10362	-	571.822	10.2064	-	559.244	14.6168
10642	-	607.655	10.4104	-	602.297	19.988
10922	-	652.25	10.5934	-	614.887	21.1638
11202	-	734.452	10.8064	-	695.963	20.2759

**Pebbling formulas, width 2 chain graphs, substitution xor 2  
no shuffle, preprocessing, no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
202	0.002999	0.002999	0.002999	0.003999	0.002999	0.002999
402	0.006998	0.005999	0.006998	0.005999	0.005999	0.005999
602	0.008998	0.008998	0.008998	0.008998	0.008998	0.008998
802	0.011998	0.011998	0.011998	0.011998	0.011998	0.011998
1002	0.015997	0.014997	0.014997	0.014997	0.013997	0.014997
1202	0.016997	0.017997	0.017997	0.017997	0.016997	0.018997
1402	0.020996	0.021996	0.020996	0.020996	0.020996	0.021996
1602	0.024996	0.023996	0.024996	0.023996	0.024996	0.023996
1802	0.027995	0.026995	0.026995	0.026995	0.026995	0.026995
2002	0.029995	0.029995	0.029995	0.029995	0.029995	0.029995
2202	0.032994	0.032994	0.033994	0.032994	0.033994	0.032994
2402	0.036994	0.035994	0.035994	0.035994	0.034994	0.035994
2602	0.037994	0.037994	0.037994	0.037994	0.037994	0.038994
2802	0.040993	0.039993	0.041993	0.040993	0.039993	0.039993
3002	0.043993	0.045993	0.045993	0.044993	0.044993	0.043993
3202	0.047992	0.046992	0.046992	0.047992	0.046992	0.046992
3402	0.051992	0.050992	0.049992	0.051992	0.049992	0.049992
3602	0.052991	0.053991	0.052991	0.054991	0.053991	0.053991
3802	0.054991	0.054991	0.055991	0.056991	0.054991	0.055991
4002	0.05999	0.057991	0.056991	0.056991	0.058991	0.05999
4202	0.06199	0.05999	0.06299	0.06099	0.06299	0.06099
4402	0.06499	0.06399	0.065989	0.06199	0.06499	0.06499
4602	0.067989	0.066989	0.065989	0.067989	0.067989	0.065989
4802	0.071989	0.070989	0.068989	0.070989	0.069989	0.067989
5002	0.073988	0.072988	0.072988	0.070989	0.073988	0.073988
5202	0.074988	0.074988	0.075988	0.076988	0.074988	0.074988
5402	0.079987	0.075988	0.077988	0.078987	0.078987	0.079987
5602	0.081987	0.081987	0.080987	0.082987	0.084987	0.080987
5802	0.085986	0.083987	0.084987	0.082987	0.085986	0.081987
6002	0.086986	0.085986	0.085986	0.086986	0.085986	0.086986
6202	0.090986	0.087986	0.087986	0.089986	0.089986	0.087986
6402	0.092985	0.091986	0.090986	0.091986	0.093985	0.093985
6602	0.095985	0.097985	0.095985	0.096985	0.095985	0.091986
6802	0.100984	0.101984	0.097985	0.098984	0.097985	0.096985
7002	0.102984	0.101984	0.103984	0.103984	0.103984	0.100984
7202	0.107983	0.106983	0.103984	0.102984	0.104984	0.101984
7402	0.106983	0.105983	0.106983	0.105983	0.108983	0.107983
7602	0.111982	0.110983	0.113982	0.108983	0.110983	0.111982
7802	0.114982	0.114982	0.111982	0.115982	0.111982	0.112982
8002	0.119981	0.115982	0.117982	0.116982	0.117982	0.113982

**Pebbling formulas, width 2 chain graphs, substitution xor 2  
no shuffle, preprocessing, clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
282	0.003999	0.003999	0.003999	0.003999	0.004999	0.003999
562	0.008998	0.007998	0.008998	0.007998	0.007998	0.008998
842	0.011998	0.011998	0.012998	0.012998	0.012998	0.011998
1122	0.016997	0.015997	0.016997	0.016997	0.016997	0.016997
1402	0.019996	0.020996	0.021996	0.020996	0.021996	0.020996
1682	0.025996	0.024996	0.024996	0.024996	0.025996	0.025996
1962	0.028995	0.028995	0.028995	0.029995	0.029995	0.028995
2242	0.033994	0.032994	0.032994	0.032994	0.033994	0.033994
2522	0.037994	0.035994	0.037994	0.036994	0.037994	0.037994
2802	0.041993	0.040993	0.041993	0.040993	0.041993	0.040993
3082	0.045993	0.044993	0.043993	0.045993	0.045993	0.045993
3362	0.049992	0.049992	0.049992	0.048992	0.049992	0.048992
3642	0.051992	0.052991	0.054991	0.052991	0.054991	0.053991
3922	0.056991	0.057991	0.055991	0.056991	0.057991	0.057991
4202	0.05999	0.06099	0.06099	0.06299	0.06199	0.06199
4482	0.06499	0.06499	0.06399	0.06499	0.06499	0.06399
4762	0.070989	0.070989	0.070989	0.070989	0.068989	0.069989
5042	0.075988	0.071989	0.071989	0.072988	0.072988	0.073988
5322	0.076988	0.078987	0.077988	0.077988	0.077988	0.077988
5602	0.083987	0.080987	0.083987	0.081987	0.078987	0.082987
5882	0.087986	0.083987	0.085986	0.084987	0.086986	0.083987
6162	0.086986	0.087986	0.089986	0.089986	0.088986	0.090986
6442	0.094985	0.092985	0.091986	0.095985	0.089986	0.091986
6722	0.099984	0.093985	0.098984	0.095985	0.096985	0.096985
7002	0.103984	0.099984	0.099984	0.101984	0.102984	0.099984
7282	0.107983	0.104984	0.107983	0.104984	0.107983	0.105983
7562	0.113982	0.110983	0.108983	0.107983	0.113982	0.111982
7842	0.115982	0.114982	0.113982	0.114982	0.113982	0.114982
8122	0.119981	0.113982	0.117982	0.116982	0.117982	0.116982
8402	0.122981	0.122981	0.123981	0.122981	0.121981	0.12598
8682	0.12598	0.124981	0.123981	0.12698	0.12798	0.12798
8962	0.131979	0.131979	0.13098	0.12998	0.12898	0.131979
9242	0.135979	0.133979	0.131979	0.13098	0.133979	0.134979
9522	0.141978	0.134979	0.138978	0.137979	0.137979	0.138978
9802	0.144977	0.139978	0.144977	0.140978	0.141978	0.143978
10082	0.148977	0.143978	0.146977	0.146977	0.148977	0.146977
10362	0.152976	0.152976	0.153976	0.150977	0.152976	0.153976
10642	0.156976	0.158975	0.160975	0.153976	0.155976	0.155976
10922	0.161975	0.163975	0.161975	0.158975	0.157975	0.159975
11202	0.168974	0.167974	0.167974	0.163975	0.165974	0.165974

**Pebbling formulas, width 2 chain graphs, substitution xor 2  
shuffle, preprocessing, no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
202	0.003999	0.002999	0.003999	0.003999	0.003999	0.003999
402	0.007998	0.006998	0.006998	0.006998	0.007998	0.006998
602	0.010998	0.009998	0.010998	0.010998	0.010998	0.010998
802	0.013997	0.013997	0.014997	0.014997	0.013997	0.013997
1002	0.017997	0.017997	0.017997	0.017997	0.017997	0.018997
1202	0.021996	0.021996	0.021996	0.021996	0.021996	0.019996
1402	0.025996	0.025996	0.025996	0.025996	0.025996	0.024996
1602	0.028995	0.028995	0.029995	0.028995	0.029995	0.028995
1802	0.032994	0.032994	0.032994	0.031995	0.034994	0.033994
2002	0.036994	0.036994	0.037994	0.035994	0.036994	0.037994
2202	0.038994	0.040993	0.041993	0.040993	0.041993	0.040993
2402	0.043993	0.042993	0.043993	0.044993	0.045993	0.044993
2602	0.047992	0.047992	0.046992	0.048992	0.048992	0.048992
2802	0.050992	0.050992	0.051992	0.052991	0.052991	0.050992
3002	0.056991	0.056991	0.053991	0.056991	0.055991	0.055991
3202	0.058991	0.058991	0.05999	0.06199	0.06099	0.05999
3402	0.066989	0.06499	0.06499	0.06299	0.06399	0.06399
3602	0.067989	0.067989	0.067989	0.067989	0.069989	0.067989
3802	0.072988	0.072988	0.071989	0.073988	0.074988	0.071989
4002	0.075988	0.076988	0.076988	0.075988	0.076988	0.077988
4202	0.080987	0.081987	0.080987	0.080987	0.081987	0.079987
4402	0.083987	0.084987	0.085986	0.084987	0.084987	0.082987
4602	0.086986	0.088986	0.088986	0.088986	0.087986	0.085986
4802	0.093985	0.092985	0.092985	0.093985	0.094985	0.089986
5002	0.093985	0.095985	0.096985	0.095985	0.095985	0.096985
5202	0.101984	0.101984	0.102984	0.099984	0.099984	0.101984
5402	0.103984	0.105983	0.103984	0.107983	0.105983	0.105983
5602	0.107983	0.108983	0.108983	0.110983	0.110983	0.109983
5802	0.113982	0.115982	0.114982	0.113982	0.118981	0.111982
6002	0.117982	0.120981	0.119981	0.120981	0.122981	0.117982
6202	0.120981	0.121981	0.122981	0.121981	0.122981	0.122981
6402	0.12598	0.12798	0.12898	0.123981	0.12898	0.124981
6602	0.12998	0.131979	0.132979	0.12898	0.13098	0.132979
6802	0.135979	0.132979	0.135979	0.134979	0.134979	0.135979
7002	0.140978	0.139978	0.140978	0.142978	0.141978	0.138978
7202	0.147977	0.146977	0.145977	0.144977	0.145977	0.145977
7402	0.147977	0.150977	0.149977	0.149977	0.149977	0.147977
7602	0.156976	0.156976	0.155976	0.154976	0.155976	0.153976
7802	0.158975	0.155976	0.159975	0.159975	0.160975	0.157975
8002	0.162975	0.167974	0.161975	0.164974	0.165974	0.161975

**Pebbling formulas, width 2 chain graphs, substitution xor 2  
shuffle, preprocessing, clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
282	0.004999	0.004999	0.005999	0.004999	0.004999	0.004999
562	0.008998	0.009998	0.009998	0.009998	0.009998	0.009998
842	0.014997	0.014997	0.014997	0.014997	0.015997	0.014997
1122	0.018997	0.018997	0.018997	0.019996	0.018997	0.020996
1402	0.024996	0.024996	0.025996	0.024996	0.025996	0.024996
1682	0.030995	0.029995	0.029995	0.030995	0.028995	0.030995
1962	0.034994	0.035994	0.035994	0.035994	0.034994	0.035994
2242	0.040993	0.042993	0.041993	0.039993	0.039993	0.040993
2522	0.045993	0.046992	0.045993	0.046992	0.045993	0.045993
2802	0.052991	0.051992	0.051992	0.052991	0.051992	0.050992
3082	0.058991	0.057991	0.057991	0.057991	0.057991	0.056991
3362	0.06299	0.06299	0.06399	0.06399	0.06199	0.06299
3642	0.068989	0.068989	0.068989	0.069989	0.070989	0.066989
3922	0.074988	0.072988	0.072988	0.074988	0.076988	0.072988
4202	0.079987	0.079987	0.080987	0.080987	0.080987	0.081987
4482	0.085986	0.087986	0.083987	0.087986	0.084987	0.084987
4762	0.088986	0.091986	0.091986	0.091986	0.091986	0.089986
5042	0.097985	0.096985	0.095985	0.098984	0.097985	0.095985
5322	0.104984	0.102984	0.103984	0.102984	0.103984	0.102984
5602	0.109983	0.109983	0.108983	0.106983	0.107983	0.108983
5882	0.112982	0.114982	0.114982	0.116982	0.113982	0.116982
6162	0.121981	0.120981	0.118981	0.122981	0.121981	0.120981
6442	0.12798	0.124981	0.12798	0.12898	0.12598	0.12598
6722	0.134979	0.132979	0.132979	0.133979	0.132979	0.12998
7002	0.139978	0.140978	0.138978	0.142978	0.144977	0.140978
7282	0.145977	0.145977	0.144977	0.146977	0.148977	0.144977
7562	0.151976	0.150977	0.152976	0.154976	0.152976	0.146977
7842	0.159975	0.161975	0.159975	0.158975	0.160975	0.156976
8122	0.163975	0.165974	0.163975	0.168974	0.164974	0.163975
8402	0.171973	0.174973	0.172973	0.173973	0.171973	0.169974
8682	0.178972	0.179972	0.179972	0.178972	0.178972	0.175973
8962	0.182972	0.184971	0.183972	0.186971	0.186971	0.184971
9242	0.19297	0.189971	0.188971	0.19297	0.19197	0.189971
9522	0.200969	0.201969	0.198969	0.198969	0.197969	0.19597
9802	0.203968	0.202969	0.205968	0.205968	0.202969	0.202969
10082	0.210967	0.211967	0.211967	0.213967	0.212967	0.212967
10362	0.217966	0.223965	0.215967	0.218966	0.215967	0.216967
10642	0.230964	0.223965	0.226965	0.228965	0.228965	0.221966
10922	0.233964	0.232964	0.236963	0.230964	0.232964	0.233964
11202	0.240963	0.237963	0.235964	0.239963	0.243962	0.242963

**Pebbling formulas, width 5 chain graphs, substitution xor 2  
no shuffle, no preprocessing, no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
408	1.00885	0.188971	0.120981	1299.885	0.302953	0.109983
808	4.46232	0.668898	0.296954	1800	1.3228	0.493924
1208	10.4924	1.50277	0.468928	1800	3.91241	0.857869
1608	20.7268	2.82957	0.700893	1800	7.00993	0.959854
2008	30.1604	4.50232	0.888864	-	9.09062	1.2998
2408	47.4808	6.78097	1.13883	-	16.5245	1.9897
2808	69.3984	10.0105	1.3408	-	21.8067	1.84972
3208	90.2243	13.6129	1.65075	-	27.7128	2.13767
3608	115.42	18.6232	1.91971	-	39.0761	2.6346
4008	152.134	22.4196	2.11468	-	45.1071	3.55346
4408	179.893	29.1946	2.45963	-	68.4366	3.61045
4808	222.971	36.2225	2.77858	-	82.9984	3.67244
5208	268.435	42.6315	3.10153	-	112.767	3.41648
5608	313.556	52.2031	3.44048	-	109.746	7.30189
6008	364.464	63.7833	3.82042	-	133.239	7.05093
6408	447.543	74.9746	4.18236	-	144.911	6.99594
6808	518.321	83.3473	4.53231	-	168.402	7.52386
7208	591.757	100.845	4.84526	-	168.122	7.65684
7608	697.03	112.458	5.33219	-	187.992	7.18791
8008	796.447	129.826	5.67714	-	256.532	8.49671
8408	880.617	141.266	6.07108	-	285.999	10.4764
8808	977.864	162.66	6.69698	-	263.379	10.2384
9208	1118.51	181.467	6.90195	-	354.832	10.8973
9608	1244.66	205.695	7.44787	-	352.94	16.7175
10008	1378.79	235.956	7.8678	-	399.795	12.5311
10408	1482.88	255.924	8.32373	-	452.449	19.451
10808	1687.04	278.35	8.79066	-	533.978	20.3629
11208	1800	308.129	9.23959	-	555.904	19.5
11608	1800	345.634	9.74352	-	591.383	20.3519
12008	1800	385.837	10.2724	-	716.167	19.919
12408	-	421.102	10.8603	-	676.204	20.7788
12808	-	444.845	11.2493	-	764.766	21.0928
13208	-	472.801	11.9762	-	768.155	22.4586
13608	-	529.079	12.2931	-	982.27	21.8947
14008	-	571.355	13.044	-	1017.87	26.398
14408	-	609.242	13.5489	-	947.463	22.4016
14808	-	651.929	14.0369	-	1038.69	22.6866
15208	-	708.475	14.6598	-	1166.61	22.8075
15608	-	743.6	15.3387	-	1229.96	28.6736
16008	-	814.494	16.0126	-	1344.56	30.0904

**Pebbling formulas, width 5 chain graphs, substitution xor 2  
no shuffle, no preprocessing, clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
408	0.613906	0.158975	0.107983	2.44763	0.182972	0.134979
808	3.10753	0.581911	0.270958	16.6965	0.733888	0.300954
1208	7.45587	1.3238	0.477927	52.492	1.64075	0.480926
1608	13.195	2.32864	0.725889	119.816	2.55061	0.766883
2008	22.0017	3.87741	0.897863	260.111	4.10238	0.885865
2408	32.57	5.84711	1.15782	418.479	6.95194	1.67375
2808	46.4479	8.49471	1.40479	740.594	8.34873	2.01269
3208	59.07	11.3793	1.66975	1017.48	11.7792	2.23466
3608	78.4531	15.6876	1.92671	1340.59	15.1437	2.32665
4008	97.4902	19.3461	2.10968	1800	18.1812	2.91656
4408	119.594	24.3203	2.47162	1800	23.1315	3.67044
4808	143.758	29.6695	2.78858	1800	28.8186	3.63545
5208	175.962	35.8456	3.08453	-	33.6089	4.84926
5608	202.649	42.4335	3.36849	-	38.9911	5.15222
6008	233.97	52.1221	3.72443	-	43.8553	5.45317
6408	270.64	58.3451	4.12337	-	50.2054	5.77012
6808	305.709	68.1056	4.37633	-	55.1876	6.21005
7208	346.87	79.5439	4.73528	-	68.1646	6.37703
7608	390.073	88.6905	5.2812	-	76.8443	7.92779
8008	438.847	97.4042	5.62614	-	81.4976	8.16876
8408	487.917	108.486	6.00709	-	88.0596	8.19075
8808	538.191	125.905	6.47002	-	105.097	9.32658
9208	593.634	139.916	6.85196	-	108.355	9.15561
9608	652.357	150.061	7.27689	-	122.801	9.1846
10008	709.446	173.18	7.61684	-	132.517	10.7274
10408	777.964	183.391	8.10777	-	148.097	15.6356
10808	861.775	207.466	8.69168	-	162.235	15.2547
11208	948.836	223.38	8.98763	-	167.813	14.7538
11608	1015.98	242.733	9.43356	-	182.606	14.0429
12008	1112.21	264.836	9.89949	-	199.734	17.4174
12408	1213.87	297.069	10.4764	-	218.889	17.9533
12808	1306.62	318.232	11.0663	-	235.697	17.3604
13208	1413.13	338.452	11.5282	-	239.673	19.582
13608	1516.48	365.551	12.1022	-	260.259	18.3972
14008	1634.03	394.512	12.5671	-	285.827	18.1312
14408	1761.13	423.989	13.114	-	308.735	19.582
14808	1800	452.633	13.6639	-	305.487	20.8048
15208	1800	488.422	14.3528	-	354.634	21.1868
15608	1800	536.011	14.8637	-	373.462	22.6066
16008	-	568.125	15.4227	-	394.209	25.6341

**Pebbling formulas, width 5 chain graphs, substitution xor 2  
shuffle, no preprocessing, no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
408	0.995848	0.181972	0.123981	1199.46	0.329949	0.159975
808	4.65229	0.677896	0.287956	1800	1.62875	0.376942
1208	10.2424	1.53277	0.515921	1800	3.2575	0.463929
1608	20.4709	2.78658	0.686895	1800	7.68283	0.829873
2008	33.086	4.78027	0.868867	-	10.5734	1.21881
2408	49.3965	7.10392	1.10483	-	18.0033	1.23381
2808	69.4504	10.2504	1.35779	-	19.621	2.69059
3208	92.9829	14.3288	1.57076	-	29.1446	2.82457
3608	117.496	18.0473	1.88071	-	34.3628	3.51546
4008	153.349	24.1083	2.15867	-	60.8458	3.74843
4408	192.057	31.0853	2.43063	-	59.187	3.50647
4808	228.425	38.0072	2.73358	-	75.9914	3.9184
5208	270.371	43.8983	3.05054	-	86.3099	4.74928
5608	347.43	56.6844	3.33949	-	111.474	6.39403
6008	404.108	62.9694	3.64644	-	122.471	6.18006
6408	468.746	78.5681	3.9734	-	155.926	7.82581
6808	547.241	89.6314	4.38133	-	182.29	8.77067
7208	637.893	101.248	4.76328	-	228.68	8.18675
7608	738.851	121.596	5.09922	-	231.05	9.74752
8008	842.2	136.587	5.54916	-	281.019	9.43756
8408	963.755	163.745	5.9071	-	295.728	10.1285
8808	1079.26	187.916	6.32304	-	340.156	12.0452
9208	1190.43	200.962	6.61099	-	365.9	11.3203
9608	1345.47	222.902	7.13392	-	422.027	19.435
10008	1475.12	253.819	7.66183	-	463.521	11.7742
10408	1624.67	275.929	8.16076	-	495.89	17.4483
10808	1770.75	320.119	8.58669	-	588.766	21.4387
11208	1800	339.261	8.87265	-	581.937	19.518
11608	1800	379.391	9.33258	-	623.079	21.5177
12008	1800	414.334	10.0915	-	647.03	21.8617
12408	-	445.791	10.4634	-	719.103	22.5656
12808	-	499.912	10.8224	-	765.384	21.1408
13208	-	535.665	11.5502	-	784.387	24.4923
13608	-	591.095	11.9992	-	892.368	24.1183
14008	-	636.671	12.7391	-	946.306	24.8502
14408	-	669.34	13.361	-	1097.92	24.7952
14808	-	714.007	14.0249	-	1212.21	26.38
15208	-	785.149	14.3168	-	1212.02	31.2682
15608	-	837.431	14.9557	-	1299.5	31.5002
16008	-	904.842	15.3807	-	1436.36	29.0066



**Pebbling formulas, width 5 chain graphs, substitution xor 2  
shuffle, no preprocessing, clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
408	0.694894	0.159975	0.106983	2.57861	0.210967	0.100984
808	3.19051	0.602908	0.267959	17.6643	0.602908	0.271958
1208	7.58485	1.35379	0.481926	57.6752	1.66875	0.472928
1608	14.5468	2.43763	0.701893	125.677	2.68859	0.78488
2008	22.2786	4.08938	0.887865	261.491	5.36718	1.07684
2408	34.2388	6.02908	1.11283	467.978	6.45502	1.2768
2808	46.5969	8.38872	1.41379	757.552	9.38357	1.86372
3208	62.3575	11.6252	1.59576	1073.1	12.0282	2.31765
3608	79.081	15.5936	1.85872	1366.49	16.5065	2.94855
4008	100.382	20.3559	2.14067	1800	20.3409	2.68659
4408	124.168	25.1962	2.42863	1800	25.2812	3.2975
4808	151.088	30.9463	2.67459	1800	32.915	4.86326
5208	181.248	37.8572	3.10253	1800	35.0087	3.2655
5608	214.373	45.798	3.3035	-	40.6988	6.08108
6008	241.937	51.7061	3.67644	-	47.0368	5.66214
6408	286.188	63.4084	3.87441	-	52.483	6.79297
6808	324.807	73.0309	4.39433	-	58.5511	7.2629
7208	367.981	80.8927	4.64029	-	72.571	7.61284
7608	412.736	93.8517	5.08023	-	81.9405	8.78866
8008	453.695	104.101	5.42317	-	92.012	8.84965
8408	528.549	120.789	5.83411	-	97.5332	9.89649
8808	573.875	135.717	6.18106	-	111.53	9.56855
9208	634.047	148.387	6.53801	-	120.383	9.14761
9608	700.738	166.712	7.05693	-	131.846	10.0615
10008	772.959	184.592	7.52386	-	140.415	10.9153
10408	853.394	196.655	7.84381	-	152.642	12.8171
10808	927.775	223.315	8.19275	-	172.845	16.0196
11208	1006.5	247.253	8.71068	-	182.407	15.8816
11608	1098.25	265.487	9.07862	-	206.091	16.5915
12008	1204.6	289.811	9.8655	-	221.366	20.2459
12408	1304.75	311.802	10.2034	-	232.502	17.5153
12808	1393.7	338.447	10.5094	-	245.925	20.0919
13208	1487.38	374.883	11.1003	-	260.156	17.6673
13608	1612.61	401.768	11.6182	-	283.015	20.3739
14008	1735.64	440.655	12.2761	-	304.794	23.5714
14408	1800	469.367	12.7061	-	322.887	21.9997
14808	1800	498.905	13.415	-	332.763	23.4504
15208	1800	540.783	13.9149	-	379.934	24.4053
15608	-	586.949	14.4898	-	401.949	25.4011
16008	-	618.388	14.9657	-	422.393	24.7152

**Pebbling formulas, width 5 chain graphs, substitution xor 2  
no shuffle, preprocessing, no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
408	0.004999	0.005999	0.006998	0.005999	0.005999	0.005999
808	0.011998	0.012998	0.012998	0.012998	0.010998	0.011998
1208	0.018997	0.018997	0.017997	0.018997	0.018997	0.017997
1608	0.025996	0.024996	0.024996	0.024996	0.024996	0.022996
2008	0.031995	0.030995	0.030995	0.031995	0.032994	0.030995
2408	0.037994	0.036994	0.035994	0.037994	0.036994	0.036994
2808	0.043993	0.041993	0.044993	0.042993	0.042993	0.043993
3208	0.051992	0.049992	0.049992	0.049992	0.050992	0.049992
3608	0.054991	0.054991	0.054991	0.054991	0.055991	0.054991
4008	0.06199	0.06199	0.06099	0.05999	0.06299	0.06099
4408	0.068989	0.067989	0.068989	0.067989	0.066989	0.06499
4808	0.073988	0.072988	0.074988	0.074988	0.073988	0.072988
5208	0.080987	0.079987	0.080987	0.076988	0.080987	0.077988
5608	0.087986	0.087986	0.086986	0.084987	0.084987	0.083987
6008	0.090986	0.091986	0.091986	0.090986	0.091986	0.090986
6408	0.096985	0.097985	0.097985	0.096985	0.095985	0.095985
6808	0.103984	0.105983	0.104984	0.103984	0.104984	0.102984
7208	0.111982	0.112982	0.110983	0.111982	0.108983	0.109983
7608	0.118981	0.113982	0.116982	0.116982	0.118981	0.116982
8008	0.121981	0.121981	0.123981	0.124981	0.12598	0.122981
8408	0.131979	0.12698	0.12698	0.131979	0.13098	0.12898
8808	0.137979	0.135979	0.137979	0.133979	0.135979	0.134979
9208	0.139978	0.141978	0.140978	0.139978	0.138978	0.137979
9608	0.149977	0.147977	0.151976	0.146977	0.145977	0.146977
10008	0.154976	0.153976	0.153976	0.153976	0.154976	0.151976
10408	0.161975	0.160975	0.160975	0.160975	0.160975	0.153976
10808	0.166974	0.165974	0.167974	0.165974	0.164974	0.164974
11208	0.174973	0.171973	0.171973	0.177972	0.177972	0.170974
11608	0.182972	0.182972	0.182972	0.181972	0.181972	0.177972
12008	0.19097	0.188971	0.187971	0.186971	0.185971	0.183972
12408	0.19097	0.19497	0.19297	0.19497	0.19097	0.19297
12808	0.201969	0.198969	0.200969	0.203968	0.199969	0.201969
13208	0.207968	0.207968	0.206968	0.204968	0.208968	0.203968
13608	0.214967	0.214967	0.215967	0.213967	0.212967	0.208968
14008	0.219966	0.219966	0.222966	0.220966	0.216967	0.215967
14408	0.225965	0.225965	0.227965	0.223965	0.231964	0.218966
14808	0.229965	0.232964	0.235964	0.232964	0.233964	0.232964
15208	0.238963	0.236963	0.235964	0.238963	0.240963	0.234964
15608	0.247962	0.249962	0.248962	0.247962	0.250961	0.241963
16008	0.251961	0.252961	0.250961	0.253961	0.253961	0.250961

Pebbling formulas, width 5 chain graphs, substitution xor 2  
no shuffle, preprocessing, clause removal  
CPU time expressed in seconds

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
408	0.005999	0.005999	0.005999	0.005999	0.006998	0.005999
808	0.011998	0.012998	0.012998	0.011998	0.012998	0.012998
1208	0.018997	0.019996	0.019996	0.018997	0.017997	0.017997
1608	0.025996	0.024996	0.023996	0.024996	0.024996	0.025996
2008	0.031995	0.030995	0.030995	0.031995	0.031995	0.030995
2408	0.037994	0.037994	0.036994	0.037994	0.036994	0.037994
2808	0.043993	0.042993	0.041993	0.041993	0.040993	0.044993
3208	0.049992	0.048992	0.049992	0.049992	0.048992	0.048992
3608	0.055991	0.052991	0.054991	0.053991	0.055991	0.056991
4008	0.06299	0.06099	0.06199	0.06299	0.06099	0.06199
4408	0.067989	0.066989	0.067989	0.067989	0.066989	0.06499
4808	0.073988	0.071989	0.072988	0.073988	0.072988	0.072988
5208	0.076988	0.078987	0.079987	0.079987	0.078987	0.079987
5608	0.085986	0.083987	0.084987	0.086986	0.084987	0.083987
6008	0.092985	0.089986	0.089986	0.089986	0.091986	0.090986
6408	0.098984	0.094985	0.096985	0.095985	0.096985	0.099984
6808	0.103984	0.099984	0.102984	0.103984	0.103984	0.103984
7208	0.111982	0.108983	0.106983	0.110983	0.111982	0.107983
7608	0.117982	0.112982	0.114982	0.115982	0.114982	0.113982
8008	0.123981	0.121981	0.120981	0.122981	0.122981	0.122981
8408	0.12998	0.12698	0.12798	0.12798	0.12898	0.12698
8808	0.135979	0.131979	0.136979	0.133979	0.135979	0.134979
9208	0.139978	0.139978	0.139978	0.141978	0.139978	0.143978
9608	0.146977	0.145977	0.145977	0.147977	0.146977	0.144977
10008	0.155976	0.152976	0.152976	0.156976	0.153976	0.154976
10408	0.157975	0.159975	0.158975	0.161975	0.158975	0.160975
10808	0.167974	0.162975	0.169974	0.167974	0.165974	0.169974
11208	0.175973	0.172973	0.175973	0.173973	0.170974	0.174973
11608	0.184971	0.177972	0.180972	0.180972	0.178972	0.178972
12008	0.184971	0.186971	0.188971	0.188971	0.187971	0.187971
12408	0.19397	0.188971	0.19097	0.19497	0.19397	0.19197
12808	0.198969	0.197969	0.197969	0.198969	0.197969	0.197969
13208	0.203968	0.205968	0.205968	0.208968	0.206968	0.207968
13608	0.211967	0.211967	0.207968	0.214967	0.214967	0.215967
14008	0.216967	0.214967	0.219966	0.215967	0.218966	0.218966
14408	0.225965	0.223965	0.223965	0.228965	0.224965	0.225965
14808	0.230964	0.228965	0.233964	0.234964	0.231964	0.230964
15208	0.238963	0.236963	0.237963	0.240963	0.235964	0.236963
15608	0.245962	0.241963	0.245962	0.248962	0.245962	0.243962
16008	0.253961	0.252961	0.246962	0.255961	0.255961	0.253961

**Pebbling formulas, width 5 chain graphs, substitution xor 2  
shuffle, preprocessing, no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
408	0.006998	0.006998	0.007998	0.006998	0.006998	0.006998
808	0.015997	0.014997	0.015997	0.014997	0.014997	0.013997
1208	0.023996	0.022996	0.021996	0.022996	0.021996	0.021996
1608	0.030995	0.029995	0.030995	0.030995	0.029995	0.029995
2008	0.036994	0.037994	0.038994	0.035994	0.038994	0.038994
2408	0.045993	0.046992	0.046992	0.044993	0.046992	0.044993
2808	0.053991	0.053991	0.054991	0.053991	0.054991	0.054991
3208	0.06299	0.06099	0.06199	0.06199	0.06199	0.06199
3608	0.069989	0.069989	0.072988	0.071989	0.070989	0.069989
4008	0.078987	0.078987	0.080987	0.077988	0.079987	0.078987
4408	0.087986	0.087986	0.087986	0.088986	0.087986	0.086986
4808	0.094985	0.095985	0.095985	0.096985	0.097985	0.095985
5208	0.101984	0.103984	0.106983	0.104984	0.107983	0.104984
5608	0.112982	0.113982	0.112982	0.114982	0.115982	0.112982
6008	0.120981	0.120981	0.122981	0.119981	0.121981	0.119981
6408	0.12798	0.13098	0.132979	0.131979	0.12998	0.13098
6808	0.141978	0.138978	0.141978	0.140978	0.138978	0.141978
7208	0.150977	0.149977	0.147977	0.151976	0.150977	0.147977
7608	0.159975	0.157975	0.160975	0.159975	0.158975	0.156976
8008	0.166974	0.167974	0.169974	0.168974	0.168974	0.167974
8408	0.178972	0.175973	0.176973	0.179972	0.176973	0.177972
8808	0.184971	0.185971	0.187971	0.188971	0.189971	0.187971
9208	0.19497	0.197969	0.19497	0.197969	0.19597	0.19497
9608	0.204968	0.208968	0.209968	0.206968	0.209968	0.203968
10008	0.216967	0.216967	0.216967	0.215967	0.212967	0.215967
10408	0.227965	0.226965	0.229965	0.229965	0.228965	0.226965
10808	0.233964	0.239963	0.235964	0.239963	0.239963	0.236963
11208	0.249962	0.246962	0.248962	0.249962	0.252961	0.245962
11608	0.26096	0.25796	0.255961	0.26196	0.263959	0.26096
12008	0.265959	0.268959	0.270958	0.271958	0.271958	0.267959
12408	0.280957	0.279957	0.277957	0.279957	0.281957	0.278957
12808	0.288956	0.292955	0.288956	0.295955	0.291955	0.289955
13208	0.298954	0.302953	0.305953	0.304953	0.302953	0.300954
13608	0.317951	0.314952	0.313952	0.314952	0.317951	0.308953
14008	0.32495	0.32695	0.32595	0.32295	0.32695	0.321951
14408	0.336948	0.334949	0.339948	0.337948	0.338948	0.336948
14808	0.348946	0.346947	0.349946	0.348946	0.346947	0.345947
15208	0.362944	0.359945	0.361944	0.363944	0.362944	0.362944
15608	0.369943	0.366944	0.376942	0.374943	0.373943	0.372943
16008	0.382941	0.38994	0.381941	0.385941	0.382941	0.384941

**Pebbling formulas, width 5 chain graphs, substitution xor 2  
shuffle, preprocessing, clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
408	0.006998	0.005999	0.007998	0.007998	0.007998	0.006998
808	0.015997	0.014997	0.014997	0.015997	0.014997	0.015997
1208	0.022996	0.022996	0.022996	0.022996	0.022996	0.022996
1608	0.028995	0.030995	0.029995	0.030995	0.030995	0.029995
2008	0.036994	0.037994	0.035994	0.037994	0.037994	0.036994
2408	0.046992	0.045993	0.046992	0.046992	0.045993	0.045993
2808	0.054991	0.054991	0.054991	0.053991	0.053991	0.052991
3208	0.06299	0.06399	0.06499	0.06199	0.06499	0.06299
3608	0.070989	0.071989	0.071989	0.072988	0.071989	0.071989
4008	0.078987	0.076988	0.078987	0.077988	0.077988	0.075988
4408	0.088986	0.087986	0.085986	0.087986	0.088986	0.087986
4808	0.097985	0.097985	0.094985	0.096985	0.095985	0.094985
5208	0.103984	0.104984	0.102984	0.105983	0.102984	0.104984
5608	0.112982	0.115982	0.114982	0.113982	0.114982	0.114982
6008	0.122981	0.122981	0.122981	0.120981	0.12698	0.123981
6408	0.12998	0.12698	0.13098	0.131979	0.13098	0.12898
6808	0.140978	0.142978	0.139978	0.141978	0.141978	0.137979
7208	0.148977	0.149977	0.147977	0.148977	0.149977	0.148977
7608	0.159975	0.161975	0.158975	0.158975	0.160975	0.159975
8008	0.167974	0.168974	0.167974	0.168974	0.170974	0.168974
8408	0.180972	0.178972	0.178972	0.174973	0.178972	0.178972
8808	0.184971	0.188971	0.186971	0.19097	0.187971	0.187971
9208	0.19097	0.198969	0.198969	0.19697	0.197969	0.19497
9608	0.208968	0.206968	0.207968	0.207968	0.205968	0.206968
10008	0.214967	0.214967	0.215967	0.214967	0.220966	0.216967
10408	0.227965	0.231964	0.226965	0.226965	0.227965	0.226965
10808	0.239963	0.240963	0.235964	0.235964	0.240963	0.239963
11208	0.250961	0.248962	0.246962	0.249962	0.248962	0.249962
11608	0.26096	0.26196	0.254961	0.26096	0.263959	0.25996
12008	0.271958	0.270958	0.267959	0.271958	0.271958	0.266959
12408	0.280957	0.281957	0.276957	0.280957	0.281957	0.277957
12808	0.292955	0.291955	0.290955	0.290955	0.292955	0.294955
13208	0.305953	0.303953	0.302953	0.301954	0.306953	0.303953
13608	0.314952	0.314952	0.310952	0.313952	0.316951	0.313952
14008	0.32495	0.32595	0.32395	0.32495	0.32595	0.32795
14408	0.332949	0.337948	0.331949	0.336948	0.336948	0.339948
14808	0.349946	0.349946	0.344947	0.346947	0.346947	0.346947
15208	0.359945	0.365944	0.359945	0.364944	0.358945	0.363944
15608	0.372943	0.373943	0.364944	0.372943	0.372943	0.370943
16008	0.385941	0.383941	0.379942	0.380942	0.385941	0.384941

# **Relativized pigeonhole principle formulas (RPHP)**

**RPHP, 2 pigeons, no shuffle, no preprocessing, no clause removal**  
**CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
4	0.0	0.0	0.0	0.000999	0.0	0.000999
202	0.009998	0.022996	0.014997	0.007998	0.011998	0.014997
402	0.052991	0.151976	0.106983	0.034994	0.084987	0.093985
602	0.159975	0.515921	0.407937	0.095985	0.481926	0.398939
802	0.347947	1.3028	0.972852	0.170974	1.13883	0.967852
1002	0.660899	2.56561	1.69874	0.298954	3.06453	1.76673
1202	1.14183	4.46132	3.15652	0.497924	7.01293	3.74643
1402	1.82772	7.52486	6.06908	0.802877	14.4138	11.3513
1602	2.77658	11.5742	10.4304	1.07084	33.2449	11.3163
1802	3.9734	18.1902	12.5381	1.46978	58.1502	43.0535
2002	5.53016	24.4653	19.1441	2.08868	72.609	27.4438
2202	7.46586	31.9091	28.5637	2.75058	118.713	61.1427
2402	9.8835	44.2723	35.1537	3.50447	149.637	79.3949
2602	12.879	60.2528	49.2565	4.6123	256.313	92.402
2802	16.5325	77.6632	60.5738	5.56515	370.57	60.1619
3002	21.0728	92.8849	81.4296	7.30989	388.776	541.758
3202	26.318	117.657	98.1061	9.2026	591.821	301.339
3402	32.4521	152.843	136.263	10.7984	715.123	648.85
3602	39.563	176.285	120.819	12.96	1104.74	577.037
3802	47.8187	213.392	200.712	15.9276	1599.2	1535.67
4002	57.0843	244.118	204.198	18.6232	1307.13	1800
4202	67.4667	262.259	287.758	21.6897	1800	1800
4402	79.045	319.705	337.967	25.6861	1800	1701.99
4602	92.148	375.801	371.552	30.5863	1800	1800
4802	106.668	433.8	434.564	35.8735	1800	1800
5002	122.284	554.072	482.078	38.8631	1800	1800
5202	140.129	543.859	599.701	44.4292	1800	-
5402	159.145	616.367	708.12	50.5473	-	-
5602	179.705	741.173	816.988	57.0223	-	-
5802	202.579	939.064	901.047	64.5562	-	-
6002	226.621	1029.64	1086.06	70.8272	-	-
6202	252.972	1137.67	1236.33	78.854	-	-
6402	282.522	1210.85	1386.53	85.9269	-	-
6602	311.78	1407.9	1476.67	96.1414	-	-
6802	344.287	1527.67	1692.59	110.047	-	-
7002	379.233	1699.09	1800	124.443	-	-
7202	417.506	1800	1800	132.073	-	-
7402	458.103	1800	1800	140.814	-	-
7602	500.491	1800	-	151.331	-	-
7802	546.031	-	-	164.637	-	-

**RPHP, 2 pigeons, no shuffle, no preprocessing, clause removal**  
**CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
4	0.000999	0.000999	0.000999	0.0	0.0	0.0
152	0.022996	0.023996	0.006998	0.021996	0.022996	0.011998
302	0.447931	0.741887	0.045993	0.960853	0.137979	0.175973
452	2.06768	2.95355	0.169974	1.2808	0.12698	0.168974
602	5.07423	1.65175	0.405938	1.78073	0.425935	0.332949
752	8.70668	1.03084	0.840872	0.166974	0.923859	0.671897
902	3.63645	1.78473	1.44578	0.254961	2.09468	2.26666
1052	0.768883	2.94555	2.39264	0.349946	4.65329	3.59745
1202	1.14783	4.44332	3.17452	0.498924	7.02293	3.76443
1352	1.63675	6.85396	5.39918	0.716891	13.197	12.7731
1502	2.26865	9.71152	8.10877	0.930858	19.521	22.1756
1652	3.07253	12.8191	11.3813	1.19982	31.9041	17.8483
1802	3.9774	18.2682	12.5911	1.47578	58.2591	43.1074
1952	5.13822	22.8625	18.2422	1.86772	62.3245	55.5905
2102	6.44102	26.512	20.4619	2.6276	87.1997	145.595
2252	8.08677	34.5288	33.3139	3.01354	116.37	29.4065
2402	9.8855	44.4452	35.2796	3.50547	149.918	79.5079
2552	12.1162	53.3159	46.5249	4.28035	211.633	267.637
2702	14.6638	64.0463	57.0253	5.09523	323.46	280.224
2852	17.6133	78.2571	72.9599	5.98809	378.059	443.067
3002	21.0718	93.5308	81.5786	7.32089	389.263	541.752
3152	24.8352	118.461	101.929	8.64368	649.752	641.155
3302	29.4585	123.668	115.987	9.92349	684.207	77.4672
3452	34.1808	157.798	127.723	11.3303	764.692	221.452
3602	39.653	176.716	120.862	13.018	1104.49	577.376
3752	45.7141	194.238	176.65	15.2817	997.705	545.044
3902	52.1901	235.065	189.322	17.2134	1262.57	578.838
4052	59.5329	281.46	204.726	19.495	1427.11	1800
4202	67.6607	261.974	288.186	21.7827	1800	1800
4352	76.0074	305.841	293.614	24.0863	1800	1800
4502	85.56	379.565	310.802	28.1897	1800	-
4652	95.9444	375.358	372.837	31.7242	1800	-
4802	106.681	432.81	435.237	35.9705	1800	-
4952	118.857	496.905	473.295	38.5981	1800	-
5102	131.473	539.514	563.901	41.9546	1800	-
5252	144.963	629.046	629.791	46.5419	-	-
5402	159.315	617.767	708.067	50.7623	-	-
5552	175.25	712.946	770.605	54.9576	-	-
5702	191.451	803.23	886.919	59.7159	-	-
5852	208.701	929.665	994.738	66.3689	-	-



RPHP, 2 pigeons, shuffle, no preprocessing, no clause removal  
CPU time expressed in seconds

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
4	0.000999	0.000999	0.0	0.000999	0.0	0.000999
202	0.009998	0.023996	0.014997	0.007998	0.012998	0.012998
402	0.054991	0.160975	0.113982	0.033994	0.103984	0.108983
602	0.165974	0.537918	0.424935	0.102984	0.536918	0.502923
802	0.372943	1.3098	1.05184	0.177972	1.45678	1.3348
1002	0.724889	2.72159	2.14867	0.319951	3.41548	2.6336
1202	1.27181	4.5763	3.99639	0.539917	9.30659	6.20206
1402	2.05169	7.70383	6.557	0.842871	16.1095	16.9334
1602	3.18552	12.7451	10.0285	1.20082	24.2503	19.984
1802	4.66129	18.2232	15.6836	1.68674	43.9123	37.3243
2002	6.557	26.6499	22.4316	2.32265	74.4627	60.9187
2202	8.97064	33.6219	32.3851	3.20751	118.783	39.664
2402	12.0992	47.9697	44.2333	3.9554	157.496	242.8
2602	15.9016	64.9181	57.5013	5.09523	184.459	342.97
2802	20.4869	80.0078	75.9055	6.51001	412.957	207.967
3002	26.189	110.738	103.156	8.21775	399.373	575.064
3202	33.093	130.833	120.143	11.1543	534.447	527.087
3402	41.0798	186.99	147.036	12.886	851.037	1215.68
3602	50.5843	200.352	193.747	15.5036	893.93	673.152
3802	61.5027	269.642	214.102	18.6002	1130.86	1506.26
4002	73.9528	300.443	267.951	22.5416	1577.32	1134.7
4202	87.6497	326.665	312.819	26.8329	1800	1800
4402	103.287	363.893	373.871	31.0733	1800	1768.33
4602	120.856	405.139	427.006	37.2733	1800	1800
4802	140.293	510.19	514.186	43.0265	1800	1800
5002	161.773	537.413	609.028	48.7106	1800	1800
5202	185.583	694.348	697.715	55.2276	1800	-
5402	210.93	736.041	813.579	62.5055	1800	-
5602	239.175	876.765	959.629	69.3355	1800	-
5802	269.253	1017.73	1066.14	77.9581	-	-
6002	302.198	1131.33	1226.23	86.3769	-	-
6202	338.232	1256.25	1378.74	97.1902	-	-
6402	375.354	1376.36	1555.43	106.132	-	-
6602	416.077	1549.36	1724.84	120.846	-	-
6802	458.553	1800	1800	135.935	-	-
7002	505.738	1800	1800	149.453	-	-
7202	555.827	1800	1800	163.796	-	-
7402	609.427	1800	-	176.645	-	-
7602	666.489	-	-	190.506	-	-
7802	725.87	-	-	206.36	-	-

**RPHP, 2 pigeons, shuffle, no preprocessing, clause removal**  
**CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
4	0.000999	0.000999	0.0	0.000999	0.000999	0.0
152	0.026995	0.030995	0.006998	0.028995	0.006998	0.011998
302	0.440932	0.884865	0.046992	0.623905	0.046992	0.038994
452	2.11768	3.07253	0.176973	3.21651	0.145977	0.212967
602	5.2722	1.68074	0.424935	0.663899	0.435933	0.502923
752	7.76282	1.06584	0.841872	0.301954	0.975851	0.71889
902	3.36449	1.80073	1.50877	0.273958	2.43163	1.85172
1052	0.838872	3.00854	2.46762	0.370943	4.21936	3.60845
1202	1.2768	4.5993	4.00039	0.540917	9.31758	6.18006
1352	1.82972	7.05393	6.04008	0.748886	11.4363	8.35173
1502	2.58261	10.0865	8.48371	1.02884	21.7977	35.2216
1652	3.52146	13.6959	11.3853	1.2988	29.9115	24.4393
1802	4.67529	18.3352	15.6796	1.68774	43.9173	37.1454
1952	6.05908	23.6634	20.8258	2.15067	60.8737	38.1642
2102	7.70483	30.2554	29.1666	2.75758	104.876	100.44
2252	9.71952	39.639	37.5673	3.49447	113.722	101.368
2402	12.1332	48.2137	44.3733	3.9484	157.511	242.379
2552	14.9317	58.4461	60.2738	4.95025	240.294	350.459
2702	18.0962	73.6838	64.3412	5.73713	317.129	155.509
2852	22.0047	87.5567	78.776	6.97394	356.432	183.341
3002	26.207	110.803	103.223	8.19575	399.622	574.415
3152	31.3022	128.535	111.732	10.2794	633.601	872.276
3302	37.0894	152.639	133.566	11.7592	717.53	915.319
3452	43.4424	171.033	165.834	13.5869	1162.07	964.615
3602	50.7213	200.598	193.726	15.5046	893.256	672.793
3752	58.8581	221.958	217.46	17.9893	1507.69	1800
3902	67.6867	246.996	242.414	21.2618	1294.04	1018.21
4052	77.2223	301.639	268.015	23.1645	1800	1681.67
4202	87.9676	327.753	311.937	26.7859	1800	1800
4352	99.4949	343.952	360.773	29.5845	1800	1511.3
4502	112.103	400.742	408.445	34.3108	1800	1800
4652	125.644	450.915	445.089	38.4012	1800	1441.04
4802	140.613	512.391	513.497	42.6875	-	1800
4952	156.894	544.578	578.877	47.1268	-	1800
5102	173.964	601.459	651.523	52.0831	-	1800
5252	191.61	699.779	726.847	56.2994	-	-
5402	211.608	741.645	811.762	62.0766	-	-
5552	232.383	854.522	884.066	67.4857	-	-
5702	255.049	910.889	992.879	73.4648	-	-
5852	277.637	969.019	1096.84	81.7216	-	-

RPHP, 2 pigeons, no shuffle, preprocessing, no clause removal  
CPU time expressed in seconds

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
4	0.0	0.000999	0.0	0.0	0.0	0.000999
202	0.004999	0.005999	0.006998	0.004999	0.004999	0.004999
402	0.017997	0.021996	0.022996	0.018997	0.021996	0.020996
602	0.044993	0.065989	0.078987	0.050992	0.047992	0.047992
802	0.108983	0.147977	0.163975	0.114982	0.148977	0.150977
1002	0.199969	0.247962	0.290955	0.209968	0.279957	0.307953
1202	0.337948	0.401938	0.488925	0.351946	0.368943	0.375942
1402	0.530919	0.548916	0.559914	0.544917	0.555915	0.554915
1602	0.761884	1.08083	0.78588	0.78588	1.08483	1.18782
1802	1.09783	1.50377	1.69274	1.12783	1.13583	1.13783
2002	1.45678	1.9687	1.66975	1.49177	1.57776	1.62775
2202	2.02469	2.93555	4.00839	2.07368	2.44563	2.54361
2402	2.55761	2.6106	2.57361	2.6236	2.66759	2.67259
2602	3.23151	3.58345	3.83642	3.2995	3.3145	3.3055
2802	4.15537	5.59515	5.77812	4.22236	4.43532	4.44432
3002	5.05723	7.2119	6.16606	5.13822	5.2362	5.21921
3202	6.546	8.84566	7.30889	6.64099	6.78497	6.77597
3402	7.96479	10.8713	14.4588	8.04078	8.15976	8.19475
3602	9.55455	9.90849	9.62054	9.70153	9.48756	9.48456
3802	11.7782	14.9187	19.47	11.9192	12.0402	12.0502
4002	14.0709	15.6386	14.4428	14.2488	14.2248	14.2778
4202	18.1192	20.4809	27.0889	18.2852	25.8581	42.8275
4402	20.6939	23.1735	20.6229	20.8468	20.6009	20.6269
4602	25.5871	32.0121	33.035	25.7961	34.0748	36.9524
4802	27.3928	36.5574	29.8065	27.5478	28.6746	28.7606
5002	31.5322	37.9562	36.3385	31.7482	32.651	32.916
5202	35.5106	43.3894	56.4854	35.7026	36.2065	36.2935
5402	42.2036	43.9593	43.1924	42.4845	43.2284	43.2714
5602	46.4429	65.0831	69.6234	46.5759	47.8557	48.1007
5802	53.3039	68.3266	70.7652	53.6648	76.7063	74.1327
6002	59.7309	72.057	84.3882	59.8639	62.4825	62.6895
6202	65.2021	83.6803	93.3848	65.456	72.9279	96.2644
6402	73.6498	97.2472	114.17	74.3917	90.6882	85.8559
6602	79.132	114.284	103.14	79.4919	80.7737	81.0947
6802	87.7517	115.84	147.62	88.1716	89.3304	89.9793
7002	96.8703	123.324	99.3929	97.5082	126.67	210.587
7202	103.379	124.156	113.948	103.941	102.957	103.066
7402	114.783	128.819	114.309	115.188	114.678	115.478
7602	125.094	129.839	125.159	125.974	128.181	128.718
7802	136.615	197.186	175.335	137.909	138.396	139.038

RPHP, 2 pigeons, no shuffle, preprocessing, clause removal  
CPU time expressed in seconds

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
4	0.0	0.0	0.0	0.0	0.0	0.0
152	0.003999	0.003999	0.003999	0.003999	0.003999	0.002999
302	0.008998	0.011998	0.013997	0.008998	0.008998	0.008998
452	0.022996	0.031995	0.028995	0.024996	0.029995	0.029995
602	0.045993	0.065989	0.078987	0.051992	0.047992	0.048992
752	0.086986	0.12798	0.087986	0.092985	0.087986	0.087986
902	0.141978	0.198969	0.244962	0.150977	0.19097	0.172973
1052	0.220965	0.317951	0.371943	0.242963	0.299954	0.276957
1202	0.335948	0.400939	0.486925	0.351946	0.367944	0.380942
1352	0.471928	0.668898	0.724889	0.488925	0.491925	0.493924
1502	0.637903	0.645901	0.626904	0.6569	0.839872	0.834873
1652	0.819875	0.817875	0.818875	0.838872	0.869867	0.865868
1802	1.09683	1.49377	1.69174	1.13283	1.14083	1.13583
1952	1.37479	1.49777	1.39679	1.40379	1.39379	1.39279
2102	1.74573	2.16467	2.72459	1.80173	2.36064	2.25866
2252	2.06768	2.67859	2.71459	2.11068	2.07568	2.07268
2402	2.56461	2.6256	2.57461	2.6156	2.68059	2.66759
2552	3.09653	4.15237	3.50847	3.16452	3.15052	3.14052
2702	3.79742	4.5663	4.26535	3.86041	3.91141	3.90541
2852	4.32134	5.67914	4.56131	4.38233	4.55031	4.54431
3002	5.06523	7.2309	6.18106	5.14022	5.2312	5.21821
3152	6.10907	7.19291	10.8803	6.21105	6.25705	6.28104
3302	7.08992	9.33358	9.94849	7.2449	7.40387	7.39987
3452	8.63869	12.4351	15.9196	8.72767	8.82166	8.79766
3602	9.55855	9.93549	9.60354	9.68153	9.46856	9.46956
3752	11.1893	15.2987	19.0641	11.3453	16.6255	18.0932
3902	13.8359	13.8289	13.7409	14.0019	13.9909	13.9449
4052	14.7268	15.9336	15.1477	14.8897	15.4477	15.5846
4202	18.1512	20.5079	27.1269	18.3062	25.8851	42.7165
4352	19.495	26.47	20.7838	19.593	19.766	19.698
4502	21.7477	26.9829	29.6475	21.8867	30.3464	29.0736
4652	25.2302	33.7719	35.8436	25.4521	35.1817	39.0641
4802	27.3938	36.5704	29.6945	27.6588	28.7786	28.6526
4952	31.6402	38.5551	45.7011	31.8852	32.0421	32.0031
5102	34.3208	42.1966	50.9183	34.4498	34.8187	34.6337
5252	37.1384	55.9465	53.1689	37.3993	38.2452	37.7933
5402	42.2576	43.4684	43.0844	42.5175	43.3044	43.1844
5552	47.2928	50.8193	58.8251	47.6838	48.5696	48.4286
5702	49.0325	54.8627	50.8753	49.5045	50.8803	50.6653
5852	55.0636	72.286	84.3682	55.3376	81.8116	77.3012

RPHP, 2 pigeons, shuffle, preprocessing, no clause removal  
CPU time expressed in seconds

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
4	0.000999	0.0	0.0	0.0	0.0	0.0
202	0.003999	0.004999	0.006998	0.004999	0.004999	0.004999
402	0.019996	0.023996	0.020996	0.023996	0.021996	0.023996
602	0.056991	0.084987	0.078987	0.06499	0.085986	0.077988
802	0.159975	0.175973	0.163975	0.166974	0.183972	0.19097
1002	0.26096	0.337948	0.369943	0.272958	0.357945	0.342947
1202	0.471928	0.615906	0.584911	0.485926	0.606907	0.554915
1402	0.829873	1.06384	0.898863	0.85487	1.03584	1.02784
1602	1.24081	1.53977	2.11068	1.26481	1.63475	1.55476
1802	1.75573	2.20366	2.52362	1.78173	2.43263	2.45463
2002	2.44863	3.01754	2.55361	2.49262	3.11453	2.95055
2202	3.79642	4.33134	3.9414	3.83542	4.6333	4.65129
2402	5.02224	5.66914	6.21305	5.08423	6.39603	5.61815
2602	6.95794	8.08177	8.29474	7.00493	8.20975	8.29874
2802	9.53555	11.3643	11.4133	9.61254	12.2061	11.1113
3002	12.3841	14.8767	13.6929	12.5041	13.9909	14.0279
3202	16.5995	19.0891	20.1759	16.6825	18.4522	17.9573
3402	21.7277	24.7052	22.8435	21.8907	23.6734	25.1562
3602	27.6078	30.6003	28.4007	27.8438	30.5654	30.8363
3802	36.1665	39.261	41.8756	36.3945	39.763	39.0661
4002	45.0861	48.2317	47.2788	45.1561	52.483	51.7231
4202	57.9782	62.5215	66.3499	58.2062	59.9299	60.5588
4402	68.6106	69.5044	83.2393	68.6886	76.7143	76.0144
4602	82.7074	89.0975	88.6825	82.8374	83.0954	83.3223
4802	94.1177	103.662	97.6771	94.2537	103.413	109.677
5002	115.137	116.559	124.385	115.202	123.676	123.187
5202	132.434	149.362	142.654	132.386	135.074	135.478
5402	150.683	157.712	167.669	150.599	172.413	214.328
5602	176.684	187.897	184.655	176.508	183.239	189.285
5802	202.422	216.869	203.329	201.88	221.986	205.742
6002	224.329	226.016	224.239	223.667	233.254	241.829
6202	259.484	274.736	287.765	258.76	276.059	289.634
6402	272.797	292.632	295.249	272.198	311.157	283.566
6602	304.85	322.27	324.136	304.331	324.362	372.665
6802	346.285	357.727	372.183	344.532	378.023	423.354
7002	386.775	419.501	423.259	385.264	426.653	465.159
7202	428.96	461.723	448.948	427.118	472.438	462.785
7402	461.083	482.097	461.593	459.728	500.696	489.355
7602	512.924	522.926	571.548	511.287	590.89	543.995
7802	535.393	562.261	556.372	533.195	553.898	556.246

**RPHP, 2 pigeons, shuffle, preprocessing, clause removal**  
**CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
4	0.000999	0.0	0.0	0.0	0.000999	0.000999
152	0.002999	0.002999	0.002999	0.001999	0.002999	0.001999
302	0.010998	0.013997	0.015997	0.012998	0.013997	0.014997
452	0.029995	0.038994	0.039993	0.033994	0.030995	0.031995
602	0.057991	0.084987	0.078987	0.06399	0.078987	0.077988
752	0.109983	0.136979	0.110983	0.117982	0.115982	0.115982
902	0.186971	0.254961	0.238963	0.19497	0.217966	0.238963
1052	0.302953	0.399939	0.438933	0.312952	0.406938	0.432934
1202	0.470928	0.621905	0.582911	0.487925	0.606907	0.554915
1352	0.729889	0.943856	0.881865	0.746886	0.869867	0.870867
1502	0.990849	1.2828	1.41078	1.01585	1.26581	1.3208
1652	1.34479	1.66875	1.82972	1.36379	1.64075	1.63375
1802	1.75173	2.20466	2.52662	1.78373	2.43463	2.45163
1952	2.53361	3.21351	3.61345	2.57361	3.00954	3.07153
2102	2.92156	3.53846	3.09353	2.96955	3.9234	3.2725
2252	3.9644	4.53531	4.80327	4.02139	5.05923	5.2732
2402	5.02324	5.67114	6.22305	5.08223	6.40702	5.61715
2552	6.86996	8.29274	7.14091	6.96894	8.33973	7.97979
2702	8.04078	9.44456	10.0245	8.12876	9.49356	9.76552
2852	9.97848	10.9043	10.2594	10.0755	11.4963	11.4283
3002	12.3931	14.8947	13.7159	12.5301	14.0109	14.0279
3152	15.4746	17.1484	21.1708	15.6286	17.9133	18.4542
3302	18.4172	21.7427	21.5727	18.6122	21.7847	20.1299
3452	22.4736	25.2672	26.062	22.7125	25.1962	27.1259
3602	27.5898	30.5824	28.3967	27.7568	30.4484	30.8813
3752	33.024	34.8507	36.9014	33.185	34.5297	34.5757
3902	40.1299	44.1663	50.5343	40.3939	40.9568	41.6507
4052	48.6736	50.7283	48.7916	49.0145	48.9886	49.0875
4202	57.9582	62.3145	66.4999	58.2561	59.7259	60.2288
4352	64.5852	68.8795	71.3002	64.8071	70.0284	80.5428
4502	73.6948	79.3979	73.7408	73.9698	85.569	90.0383
4652	84.3022	92.9379	88.4126	84.6361	91.6301	97.4962
4802	93.9997	103.326	97.8781	94.2307	102.777	109.074
4952	105.977	115.009	107.086	106.361	109.284	107.473
5102	123.094	134.448	134.258	123.441	133.581	139.952
5252	134.683	143.655	137.845	134.915	147.07	146.56
5402	150.297	156.868	168.064	150.657	171.78	213.617
5552	164.375	166.849	177.39	164.54	181.807	174.852
5702	184.613	199.484	188.985	184.799	201.09	186.753
5852	202.843	215.803	217.168	203.157	226.477	222.403

**RPHP, 3 pigeons, no shuffle, no preprocessing, no clause removal**  
**CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
6	0.0	0.000999	0.0	0.0	0.000999	0.000999
39	0.002999	0.000999	0.0	0.000999	0.000999	0.000999
78	0.021996	0.008998	0.004999	0.031995	0.003999	0.002999
114	0.092985	0.058991	0.020996	0.340948	0.015997	0.014997
153	0.286956	0.239963	0.06299	1.14983	0.053991	0.045993
189	0.690894	0.705892	0.156976	2.78858	0.139978	0.108983
228	1.55376	1.91671	0.32595	6.42102	0.321951	0.249962
264	3.08553	4.09538	0.6529	11.3563	0.674897	0.476927
303	5.80312	8.26074	1.22381	19.727	1.3338	0.871867
339	10.1255	14.5028	2.01369	38.3402	2.21866	1.56376
378	17.4144	24.8672	3.17852	57.7512	3.67844	2.45663
414	28.1337	42.0716	4.91825	78.3541	6.38703	4.10938
453	45.6651	69.4274	7.42187	152.632	10.2654	5.8991
489	72.457	105.504	11.0243	204.115	15.6146	8.88365
528	113.96	160.285	15.7796	241.355	23.5464	12.5951
564	175.891	234.573	23.3395	319.759	33.209	18.4742
603	265.387	347.203	31.9971	547.323	45.0112	25.983
639	384.694	496.26	45.6981	689.724	62.3045	33.7409
678	547.001	669.764	56.7854	804.91	85.385	52.1921
714	756.517	964.502	74.6437	1030.41	127.827	64.6842
753	1028.44	1225.1	103.719	1173.04	148.19	89.4894
789	1361.05	1750.18	137.741	1699.01	200.135	114.513
828	1790.44	1800	169.983	1800	262.545	148.1
864	1800	1800	212.598	1800	335.094	172.682
903	1800	1800	245.242	1800	427.901	197.373
939	1800	-	328.468	-	548.037	265.535
978	-	-	392.411	-	658.644	329.074
1014	-	-	509.976	-	851.786	362.105
1053	-	-	596.761	-	920.149	482.472
1089	-	-	718.412	-	1141.12	678.646
1128	-	-	834.391	-	1456.0	797.496
1164	-	-	1079.37	-	1800	881.327
1203	-	-	1148.05	-	1800	956.434
1239	-	-	1389.87	-	1800	1193.95
1278	-	-	1648.01	-	1800	1433.86
1314	-	-	1800	-	-	1777.15
1353	-	-	1800	-	-	1800
1389	-	-	1800	-	-	1800
1428	-	-	-	-	-	1800

RPHP, 3 pigeons, no shuffle, no preprocessing, clause removal  
CPU time expressed in seconds

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
6	0.000999	0.000999	0.000999	0.0	0.000999	0.0
12	0.0	0.000999	0.000999	0.0	0.0	0.0
18	0.0	0.000999	0.0	0.0	0.0	0.0
24	0.000999	0.000999	0.000999	0.0	0.000999	0.000999
33	0.002999	0.000999	0.0	0.000999	0.0	0.000999
39	0.030995	0.002999	0.000999	0.001999	0.000999	0.0
48	0.083987	0.004999	0.000999	0.004999	0.000999	0.0
54	0.221966	0.008998	0.001999	0.014997	0.000999	0.001999
63	0.51992	0.026995	0.002999	0.029995	0.001999	0.001999
69	1.05484	0.049992	0.002999	0.066989	0.003999	0.002999
78	1.05884	0.090986	0.005999	0.090986	0.004999	0.002999
84	2.73558	0.177972	0.007998	0.171973	0.006998	0.005999
93	2.43463	0.274958	0.010998	0.200969	0.007998	0.005999
99	4.38033	0.365944	0.011998	0.363944	0.009998	0.006998
108	3.51946	0.483926	0.017997	0.517921	0.012998	0.010998
114	6.75297	0.681896	0.017997	0.768883	0.016997	0.013997
123	6.91895	0.929858	0.023996	1.02884	0.019996	0.015997
129	15.6976	1.20582	0.030995	1.00085	0.025996	0.022996
138	14.9347	1.49977	0.045993	1.2928	0.026995	0.023996
144	26.8419	1.85772	0.045993	2.30065	0.036994	0.029995
153	31.0103	2.38364	0.052991	2.20566	0.040993	0.034994
159	56.8454	3.34549	0.068989	2.91556	0.051992	0.042993
168	88.3606	3.9154	0.082987	3.16452	0.06299	0.053991
174	160.357	5.58915	0.095985	4.65429	0.074988	0.06099
183	230.456	8.03078	0.114982	4.73028	0.082987	0.068989
189	245.816	12.3811	0.12798	6.46202	0.104984	0.080987
198	441.26	17.5203	0.156976	7.66783	0.120981	0.092985
204	628.158	30.1004	0.167974	8.95564	0.134979	0.108983
213	763.482	31.4192	0.205968	8.50771	0.153976	0.13098
219	1133.2	67.1118	0.246962	13.8389	0.177972	0.151976
228	1308.92	73.0009	0.278957	12.2201	0.19097	0.164974
234	1738.98	127.404	0.300954	16.4285	0.217966	0.178972
243	1800	143.701	0.329949	21.1768	0.26296	0.214967
249	1800	260.506	0.372943	16.3745	0.318951	0.235964
258	1800	263.205	0.45693	26.9799	0.337948	0.286956
264	1800	444.271	0.481926	23.3984	0.405938	0.295955
273	-	460.213	0.531919	36.6284	0.471928	0.344947
279	-	717.761	0.621905	36.2515	0.497924	0.382941
288	-	742.368	0.699893	43.2904	0.547916	0.423935
294	-	1047.95	0.733888	49.1155	0.638902	0.472928



**RPHP, 3 pigeons, shuffle, no preprocessing, no clause removal**  
**CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
6	0.0	0.0	0.000999	0.0	0.0	0.000999
39	0.002999	0.000999	0.000999	0.001999	0.000999	0.0
78	0.022996	0.008998	0.004999	0.06499	0.003999	0.003999
114	0.088986	0.052991	0.020996	0.309952	0.014997	0.012998
153	0.284956	0.242963	0.066989	1.15582	0.050992	0.041993
189	0.687895	0.736887	0.159975	3.13552	0.132979	0.108983
228	1.51777	1.9367	0.32795	6.558	0.330949	0.241963
264	3.14252	4.02539	0.644901	12.5681	0.702893	0.51992
303	5.74813	8.42672	1.18982	18.1772	1.3008	0.877866
339	10.3734	16.1405	1.9447	36.7914	2.24666	1.51177
378	17.5443	24.8392	3.18352	59.461	3.9154	2.39963
414	28.7606	44.3503	4.93325	83.9442	6.71398	3.83242
453	46.5359	65.493	7.42287	152.349	10.9253	5.75712
489	73.7998	108.349	11.4443	193.786	15.1887	10.5304
528	116.739	162.698	17.3354	237.2	22.8075	14.3718
564	179.602	243.29	23.1095	336.631	31.8142	19.505
603	269.286	351.739	32.582	538.327	48.2807	24.4813
639	390.823	509.877	44.7952	582.53	66.8658	35.0917
678	554.39	658.94	63.6353	758.05	84.4042	56.2884
714	764.904	964.908	84.1612	955.511	117.967	66.024
753	1037.41	1267.25	106.245	1208.13	152.681	77.5402
789	1382.19	1746.02	132.561	1800	187.213	107.697
828	1800	1800	168.503	1800	280.45	149.847
864	1800	1800	216.704	1800	333.284	182.391
903	1800	1800	266.388	1800	420.172	233.597
939	-	-	351.643	-	574.975	288.528
978	-	-	419.049	-	677.651	331.326
1014	-	-	520.985	-	823.004	437.308
1053	-	-	656.752	-	980.938	577.346
1089	-	-	772.081	-	1126.17	619.006
1128	-	-	867.281	-	1421.55	699.641
1164	-	-	1095.3	-	1641.845	784.903
1203	-	-	1256.24	-	1800	1031.77
1239	-	-	1462.04	-	1800	1259.94
1278	-	-	1657.92	-	1800	1366.23
1314	-	-	1800	-	-	1800
1353	-	-	1800	-	-	1800
1389	-	-	1800	-	-	1800

RPHP, 3 pigeons, shuffle, no preprocessing, clause removal  
CPU time expressed in seconds

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
6	0.000999	0.000999	0.0	0.000999	0.000999	0.000999
12	0.0	0.000999	0.000999	0.0	0.0	0.000999
18	0.000999	0.0	0.0	0.0	0.000999	0.0
24	0.0	0.000999	0.0	0.000999	0.000999	0.0
33	0.004999	0.000999	0.0	0.000999	0.000999	0.0
39	0.021996	0.001999	0.0	0.000999	0.000999	0.000999
48	0.066989	0.004999	0.000999	0.004999	0.000999	0.000999
54	0.200969	0.012998	0.001999	0.015997	0.000999	0.001999
63	0.403938	0.023996	0.003999	0.025996	0.001999	0.001999
69	1.27981	0.045993	0.004999	0.072988	0.002999	0.001999
78	1.42478	0.085986	0.007998	0.088986	0.004999	0.004999
84	2.71959	0.157975	0.007998	0.201969	0.004999	0.004999
93	2.38264	0.252961	0.012998	0.210967	0.007998	0.005999
99	3.52246	0.350946	0.012998	0.292955	0.010998	0.007998
108	3.65944	0.504923	0.014997	0.491925	0.013997	0.011998
114	6.66999	0.734888	0.021996	0.462929	0.015997	0.012998
123	7.03193	0.809876	0.025996	0.991849	0.017997	0.016997
129	14.4138	1.14783	0.033994	1.25281	0.024996	0.019996
138	15.1427	1.45678	0.035994	1.45978	0.032994	0.024996
144	25.4251	1.83272	0.044993	2.22966	0.035994	0.028995
153	41.5607	2.43163	0.06499	2.07668	0.043993	0.034994
159	71.5441	3.16052	0.067989	2.41363	0.046992	0.045993
168	70.1993	4.04838	0.078987	4.50331	0.06099	0.051992
174	175.57	5.81412	0.099984	4.90225	0.075988	0.06099
183	245.897	8.15476	0.108983	3.89041	0.092985	0.068989
189	303.2	12.89	0.135979	5.99709	0.105983	0.080987
198	426.493	15.6706	0.147977	6.48601	0.120981	0.093985
204	670.981	28.8316	0.176973	8.43672	0.140978	0.108983
213	788.111	35.2166	0.217966	9.34358	0.159975	0.141978
219	1207.37	67.5587	0.241963	10.3344	0.171973	0.148977
228	1374.26	69.9834	0.248962	16.9194	0.204968	0.166974
234	1753.09	125.188	0.279957	16.8324	0.221966	0.19497
243	1800	133.593	0.311952	20.2089	0.272958	0.231964
249	1800	243.229	0.374943	20.2489	0.309952	0.251961
258	1800	267.409	0.451931	21.5267	0.336948	0.278957
264	-	433.136	0.498924	30.6733	0.414936	0.308953
273	-	459.851	0.518921	36.7404	0.452931	0.32795
279	-	707.987	0.622905	36.3055	0.502923	0.402938
288	-	765.113	0.706892	40.7978	0.560914	0.45993
294	-	1147.88	0.761884	53.3429	0.633903	0.506922

**RPHP, 3 pigeons, no shuffle, preprocessing, no clause removal**  
**CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
6	0.0	0.000999	0.0	0.000999	0.0	0.000999
39	0.000999	0.000999	0.000999	0.000999	0.000999	0.000999
78	0.011998	0.008998	0.005999	0.014997	0.005999	0.003999
114	0.047992	0.06399	0.019996	0.106983	0.017997	0.014997
153	0.149977	0.236963	0.058991	0.243962	0.047992	0.046992
189	0.373943	0.729889	0.148977	0.58991	0.132979	0.112982
228	0.805877	1.9957	0.316951	0.947855	0.272958	0.229965
264	1.60576	3.9654	0.577912	2.35464	0.546916	0.471928
303	3.03554	8.21575	1.13783	2.74458	1.22781	0.899863
339	5.29319	16.6565	1.79673	6.29404	2.06469	1.46278
378	8.88465	29.2226	2.96355	7.37188	3.3105	2.26365
414	14.1229	47.5888	4.47932	9.2346	5.9301	3.75143
453	22.3826	58.5911	6.63499	14.9737	8.40572	6.06308
489	34.2318	131.384	9.8485	22.8335	12.1132	8.61669
528	51.0242	210.87	14.8197	25.4891	19.517	11.3273
564	78.1171	302.837	21.1558	28.5737	26.259	17.2174
603	116.604	382.677	29.4445	38.8271	38.0032	25.1372
639	169.593	569.796	38.8721	73.1549	51.9411	35.2486
678	243.026	794.15	51.8921	88.9525	66.7349	53.6108
714	342.784	697.938	72.6959	89.6524	89.8723	57.3293
753	453.575	1326.45	85.366	99.4519	121.052	75.8195
789	615.721	1170.36	122.686	125.145	152.267	110.32
828	793.768	1524.62	151.047	150.166	192.838	130.333
864	1034.04	1800	197.189	267.462	249.95	159.815
903	1324.22	1800	244.639	288.084	334.901	188.525
939	1667.47	1800	310.775	313.942	398.929	224.782
978	1800	-	361.844	331.531	506.687	327.475
1014	1800	-	412.755	412.564	605.451	381.174
1053	1800	-	542.475	456.488	710.478	492.651
1089	-	-	624.679	559.907	780.135	574.659
1128	-	-	745.026	822.943	935.566	701.392
1164	-	-	880.853	990.039	1204.48	788.128
1203	-	-	1061.41	1083.57	1413.81	1004.0
1239	-	-	1320.92	1108.03	1656.97	1197.11
1278	-	-	1486.36	1211.22	1800	1330.48
1314	-	-	1709.97	1444.17	1800	1652.22
1353	-	-	1800	1650.3	1800	1719.11
1389	-	-	1800	1755.8	-	1800
1428	-	-	1800	1800	-	1800
1464	-	-	-	1800	-	1800

RPHP, 3 pigeons, no shuffle, preprocessing, clause removal  
CPU time expressed in seconds

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
6	0.0	0.0	0.0	0.0	0.0	0.0
12	0.000999	0.0	0.000999	0.000999	0.0	0.0
18	0.000999	0.000999	0.000999	0.0	0.000999	0.0
24	0.000999	0.0	0.0	0.0	0.000999	0.000999
33	0.002999	0.000999	0.0	0.0	0.000999	0.0
39	0.013997	0.001999	0.000999	0.000999	0.001999	0.000999
48	0.044993	0.009998	0.000999	0.003999	0.001999	0.001999
54	0.095985	0.018997	0.001999	0.006998	0.001999	0.002999
63	0.224965	0.042993	0.002999	0.011998	0.003999	0.002999
69	0.384941	0.068989	0.003999	0.017997	0.004999	0.004999
78	0.751885	0.140978	0.005999	0.033994	0.003999	0.003999
84	0.992849	0.173973	0.006998	0.039993	0.006998	0.005999
93	1.84272	0.231964	0.008998	0.06299	0.007998	0.005999
99	2.42963	0.32695	0.011998	0.091986	0.012998	0.009998
108	3.45347	0.430934	0.013997	0.118981	0.013997	0.012998
114	5.00524	0.553915	0.017997	0.226965	0.015997	0.015997
123	8.02378	0.762884	0.023996	0.199969	0.018997	0.018997
129	10.8134	0.938857	0.030995	0.266959	0.024996	0.023996
138	15.9796	1.09783	0.035994	0.463929	0.029995	0.026995
144	25.8421	1.47877	0.043993	0.382941	0.035994	0.031995
153	28.0237	1.86372	0.051992	0.78488	0.039993	0.032994
159	54.4027	2.33065	0.069989	0.859869	0.048992	0.044993
168	57.6342	2.69859	0.076988	0.790879	0.054991	0.045993
174	82.6544	3.53946	0.089986	1.09983	0.06099	0.056991
183	111.005	4.52731	0.099984	1.26281	0.074988	0.066989
189	166.107	7.01293	0.113982	1.60875	0.088986	0.077988
198	186.207	8.86165	0.135979	2.33764	0.097985	0.095985
204	251.972	13.388	0.166974	2.37064	0.123981	0.097985
213	359.015	19.455	0.19097	2.85357	0.134979	0.114982
219	474.581	31.1223	0.205968	3.22851	0.153976	0.140978
228	564.628	41.6857	0.253961	4.74028	0.176973	0.161975
234	786.224	61.1377	0.287956	3.57346	0.206968	0.174973
243	858.465	78.62	0.318951	5.14122	0.216967	0.187971
249	1277.8	120.422	0.356945	5.8881	0.25996	0.212967
258	1453.63	181.369	0.414936	6.22405	0.298954	0.230964
264	1800	221.984	0.448931	7.83781	0.333949	0.287956
273	1800	278.475	0.51992	9.81051	0.39394	0.302953
279	1800	396.445	0.567913	10.0485	0.449931	0.331949
288	1800	516.691	0.624905	10.5474	0.502923	0.404938
294	-	578.097	0.694894	14.6678	0.51992	0.452931

**RPHP, 3 pigeons, shuffle, preprocessing, no clause removal**  
**CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
6	0.0	0.0	0.000999	0.0	0.0	0.0
39	0.001999	0.000999	0.000999	0.000999	0.000999	0.000999
78	0.012998	0.009998	0.004999	0.016997	0.003999	0.002999
114	0.047992	0.06299	0.019996	0.086986	0.016997	0.015997
153	0.160975	0.244962	0.06199	0.252961	0.046992	0.039993
189	0.363944	0.679896	0.134979	0.701893	0.123981	0.111982
228	0.815875	1.9897	0.32495	1.04584	0.304953	0.247962
264	1.58876	3.74843	0.59091	2.24966	0.649901	0.45993
303	2.99954	9.62754	1.16882	3.18952	1.18982	0.893864
339	5.2652	16.5555	1.78773	5.77912	2.00969	1.27381
378	8.70668	21.4307	2.73758	7.03493	3.21451	2.41663
414	14.4658	54.0808	4.80827	9.51955	5.80912	3.75843
453	22.7955	73.4158	6.75897	12.7781	8.83866	5.8981
489	34.4818	134.924	9.53455	23.2355	13.216	8.58969
528	53.2499	144.78	15.3377	25.8791	19.445	13.5849
564	78.0001	304.14	21.2468	29.4495	27.0949	21.2408
603	116.927	416.438	30.0184	38.9251	38.1012	23.7614
639	170.23	566.422	39.364	75.3465	51.0422	30.2274
678	245.355	497.86	51.1712	81.0697	69.8074	49.5185
714	335.651	1052.85	74.7986	92.312	96.5663	75.1406
753	465.784	1052.79	92.172	104.855	118.0	75.9934
789	614.026	1747.515	119.401	127.807	146.824	103.074
828	810.627	1800	154.815	153.95	187.771	132.72
864	1055.39	1800	197.267	265.832	260.141	158.925
903	1367.53	1800	239.452	294.324	303.306	195.392
939	1710.04	1800	302.115	289.11	397.162	272.559
978	1800	-	374.009	351.573	519.355	363.833
1014	1800	-	434.229	399.757	615.862	343.839
1053	1800	-	559.015	465.191	792.56	514.649
1089	-	-	640.968	539.59	843.189	552.826
1128	-	-	734.692	860.965	1038.88	697.943
1164	-	-	896.15	969.064	1161.07	736.843
1203	-	-	1067.14	1027.31	1368.47	896.814
1239	-	-	1276.12	1088.98	1688.34	1027.45
1278	-	-	1433.9	1206.98	1800	1336.93
1314	-	-	1667.42	1401.15	1800	1552.92
1353	-	-	1800	1605.05	1800	1639.43
1389	-	-	1800	1699.25	-	1800
1428	-	-	1800	1800	-	1800
1464	-	-	-	1800	-	1800

**RPHP, 3 pigeons, shuffle, preprocessing, clause removal**  
**CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
6	0.0	0.000999	0.0	0.0	0.0	0.000999
12	0.000999	0.0	0.0	0.0	0.000999	0.0
18	0.0	0.0	0.000999	0.000999	0.0	0.0
24	0.000999	0.000999	0.0	0.000999	0.0	0.000999
33	0.001999	0.000999	0.000999	0.000999	0.000999	0.000999
39	0.013997	0.002999	0.000999	0.000999	0.000999	0.000999
48	0.043993	0.008998	0.001999	0.001999	0.001999	0.000999
54	0.13098	0.018997	0.002999	0.003999	0.000999	0.001999
63	0.269958	0.047992	0.002999	0.008998	0.001999	0.001999
69	0.504923	0.082987	0.003999	0.023996	0.003999	0.003999
78	0.789879	0.132979	0.006998	0.035994	0.004999	0.003999
84	1.12183	0.169974	0.009998	0.029995	0.003999	0.004999
93	1.59776	0.246962	0.009998	0.06399	0.006998	0.006998
99	2.49462	0.336948	0.016997	0.087986	0.008998	0.007998
108	3.45547	0.435933	0.024996	0.12598	0.011998	0.008998
114	4.96525	0.530919	0.032994	0.19397	0.013997	0.012998
123	7.8848	0.696894	0.028995	0.274958	0.016997	0.014997
129	11.8042	0.908861	0.028995	0.293955	0.021996	0.017997
138	15.6326	1.19882	0.054991	0.419936	0.026995	0.023996
144	23.2505	1.56176	0.057991	0.514921	0.032994	0.028995
153	26.479	1.87072	0.051992	0.821875	0.038994	0.032994
159	40.4539	2.30065	0.06099	0.885865	0.048992	0.041993
168	61.2427	2.96555	0.086986	1.04884	0.050992	0.046992
174	74.4657	3.74243	0.095985	1.16482	0.06299	0.050992
183	109.167	5.03523	0.115982	1.36179	0.072988	0.06199
189	165.084	7.04993	0.108983	1.68274	0.088986	0.080987
198	187.954	10.4464	0.155976	2.18567	0.107983	0.087986
204	278.68	13.8889	0.154976	2.27465	0.112982	0.091986
213	323.782	18.7941	0.169974	2.87756	0.13098	0.112982
219	489.606	28.4077	0.201969	3.45647	0.151976	0.137979
228	583.977	43.2184	0.239963	4.72328	0.182972	0.155976
234	799.767	62.5515	0.275958	3.40648	0.207968	0.169974
243	938.721	90.9952	0.311952	4.96724	0.225965	0.197969
249	1289.6	117.9	0.357945	5.82811	0.272958	0.213967
258	1358.31	155.623	0.402938	7.09092	0.286956	0.231964
264	1800	219.852	0.438933	6.76697	0.330949	0.282956
273	1800	294.086	0.500923	8.17676	0.39394	0.332949
279	1800	374.32	0.574912	8.46771	0.448931	0.372943
288	-	485.956	0.649901	12.6471	0.471928	0.38894
294	-	584.42	0.690894	13.28	0.558915	0.394939

**RPHP, 4 pigeons, no shuffle, no preprocessing, no clause removal**  
**CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
8	0.0	0.000999	0.000999	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.000999	0.0
24	0.0	0.000999	0.0	0.0	0.000999	0.0
32	0.000999	0.000999	0.000999	0.000999	0.000999	0.0
44	0.008998	0.000999	0.000999	0.004999	0.000999	0.0
52	0.066989	0.002999	0.001999	0.050992	0.001999	0.001999
64	0.177972	0.006998	0.005999	0.222966	0.003999	0.002999
72	0.474927	0.016997	0.009998	0.938857	0.006998	0.004999
84	1.17282	0.034994	0.017997	3.71043	0.013997	0.011998
92	1.9827	0.06499	0.038994	9.41757	0.029995	0.023996
104	4.11137	0.135979	0.076988	22.1196	0.043993	0.042993
112	6.77197	0.273958	0.105983	49.2005	0.093985	0.083987
124	13.313	0.465929	0.203968	114.161	0.157975	0.148977
132	21.4257	0.85287	0.363944	251.477	0.248962	0.201969
144	36.4235	1.3478	0.539917	555.4	0.401938	0.403938
152	56.2095	2.31965	0.832873	764.279	0.597909	0.607907
164	89.0765	3.70444	1.13483	1800	0.846871	0.896863
172	133.995	5.98909	1.67575	1800	1.3078	0.994848
184	217.724	9.80551	2.23666	1800	1.80173	1.38879
192	331.82	15.0497	3.52246	1800	2.59761	2.52262
204	523.399	21.5117	4.92425	-	3.77143	3.32449
212	771.162	33.9348	6.73897	-	5.63214	4.08938
224	1143.0	49.6165	8.75767	-	7.34888	5.45817
232	1565.17	75.1706	13.371	-	9.97448	8.58269
244	1800	105.069	17.9453	-	14.2408	14.2738
252	1800	153.512	24.4563	-	18.4112	15.7516
264	1800	218.409	27.8348	-	26.506	17.5663
272	-	309.888	38.7351	-	28.4317	25.6001
284	-	415.748	47.6548	-	39.0221	36.7074
292	-	589.055	60.2908	-	50.3203	36.2345
304	-	775.593	82.5834	-	64.2672	39.1211
312	-	1035.0	93.6748	-	92.347	61.0187
324	-	1383.09	107.315	-	115.302	74.4567
332	-	1788.98	140.368	-	130.67	97.7001
344	-	1800	193.543	-	157.879	116.69
352	-	1800	214.079	-	225.177	113.407
364	-	1800	279.313	-	255.713	210.553
372	-	-	343.573	-	338.167	229.505
384	-	-	373.944	-	444.431	306.99
392	-	-	501.048	-	525.591	385.98

RPHP, 4 pigeons, no shuffle, no preprocessing, clause removal  
CPU time expressed in seconds

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
8	0.0	0.000999	0.000999	0.0	0.0	0.0
16	0.0	0.0	0.000999	0.0	0.0	0.0
24	0.000999	0.0	0.000999	0.000999	0.0	0.000999
32	0.001999	0.000999	0.0	0.0	0.000999	0.0
44	0.038994	0.005999	0.001999	0.005999	0.0	0.000999
52	0.254961	0.103984	0.013997	0.043993	0.001999	0.001999
64	1.66975	0.631903	0.036994	0.219966	0.006998	0.004999
72	5.70513	1.9407	0.100984	1.2958	0.009998	0.010998
84	55.1876	3.14752	0.131979	2.6236	0.022996	0.015997
92	322.177	6.29004	0.176973	7.8628	0.035994	0.022996
104	651.395	12.6881	0.217966	31.7022	0.057991	0.035994
112	1800	51.9521	0.301954	58.0472	0.095985	0.06299
124	1800	136.263	0.319951	100.977	0.133979	0.093985
132	1800	564.067	0.462929	265.487	0.201969	0.173973
144	1800	973.685	0.554915	616.571	0.301954	0.267959
152	-	1800	3.33149	1054.39	0.414936	0.313952
164	-	1800	3.57546	1800	0.659899	0.600908
172	-	1800	5.57215	1800	0.85487	0.825874
184	-	-	5.66814	1800	1.18982	0.995848
192	-	-	12.3701	1800	1.54076	1.03484
204	-	-	16.8824	-	2.20066	1.53477
212	-	-	12.7991	-	2.6376	2.01769
224	-	-	28.1117	-	3.3165	2.87756
232	-	-	40.0589	-	3.72043	3.67444
244	-	-	61.5176	-	5.9441	4.31234
252	-	-	90.3913	-	6.98394	5.03123
264	-	-	183.126	-	8.97463	8.13076
272	-	-	217.011	-	11.4843	9.75152
284	-	-	184.615	-	12.5081	9.1896
292	-	-	288.219	-	16.2745	13.8679
304	-	-	436.077	-	20.0929	15.6516
312	-	-	394.363	-	21.1848	18.9151
324	-	-	875.467	-	28.0197	22.1676
332	-	-	543.444	-	33.6579	38.3332
344	-	-	959.613	-	44.6062	33.2269
352	-	-	982.437	-	45.876	49.4845
364	-	-	1560.81	-	52.818	44.5952
372	-	-	1800	-	60.8577	59.217
384	-	-	1800	-	72.7109	72.631
392	-	-	1800	-	83.9252	92.334



RPHP, 4 pigeons, shuffle, no preprocessing, no clause removal  
CPU time expressed in seconds

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
8	0.0	0.000999	0.000999	0.000999	0.0	0.000999
16	0.000999	0.0	0.000999	0.0	0.000999	0.000999
24	0.0	0.0	0.000999	0.0	0.0	0.000999
32	0.000999	0.0	0.0	0.0	0.0	0.0
44	0.008998	0.000999	0.000999	0.005999	0.000999	0.000999
52	0.05999	0.003999	0.002999	0.049992	0.001999	0.000999
64	0.199969	0.007998	0.003999	0.214967	0.003999	0.002999
72	0.474927	0.014997	0.008998	1.35879	0.007998	0.006998
84	1.14583	0.032994	0.022996	4.47832	0.015997	0.012998
92	2.17567	0.066989	0.039993	10.0325	0.031995	0.021996
104	4.10138	0.144977	0.06199	37.8222	0.049992	0.044993
112	7.84781	0.255961	0.116982	86.0789	0.086986	0.078987
124	13.421	0.45993	0.185971	139.172	0.148977	0.113982
132	21.6507	0.816875	0.318951	253.01	0.228965	0.181972
144	36.0765	1.46078	0.466929	550.761	0.386941	0.401938
152	56.1685	2.35464	0.818875	931.435	0.58591	0.501923
164	87.5177	3.76643	1.2878	1396.115	0.744886	0.582911
172	138.24	5.99309	1.73074	1800	1.3348	0.923859
184	223.697	9.1966	2.03869	1800	1.68574	1.09083
192	332.475	14.4078	2.98855	1800	2.49562	2.46362
204	514.09	21.4827	4.5793	-	4.12237	3.9164
212	766.93	34.1828	6.82396	-	5.14822	3.68544
224	1124.23	47.4008	9.55755	-	6.80996	5.72913
232	1591.21	72.41	14.3058	-	10.5174	8.45571
244	1800	104.517	14.5298	-	14.4308	12.911
252	1800	155.408	20.5729	-	18.8001	13.6599
264	1800	216.653	30.9293	-	26.29	18.3602
272	-	308.199	38.5451	-	28.6786	23.6894
284	-	423.458	48.2757	-	40.5508	28.1377
292	-	588.177	57.0663	-	52.658	38.8421
304	-	776.306	82.1245	-	66.2999	50.3263
312	-	1028.0	89.1494	-	93.4758	63.0764
324	-	1377.32	123.013	-	118.199	62.4945
332	-	1782.53	161.4	-	133.502	86.1649
344	-	1800	171.268	-	160.781	127.524
352	-	1800	224.676	-	222.607	151.055
364	-	1800	268.486	-	286.694	191.405
372	-	-	318.237	-	340.31	238.886
384	-	-	390.704	-	430.014	312.53
392	-	-	512.794	-	535.212	377.225

RPHP, 4 pigeons, shuffle, no preprocessing, clause removal  
CPU time expressed in seconds

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
8	0.0	0.000999	0.000999	0.000999	0.000999	0.000999
16	0.0	0.000999	0.000999	0.000999	0.0	0.0
24	0.0	0.0	0.0	0.000999	0.000999	0.0
32	0.000999	0.0	0.0	0.000999	0.0	0.000999
44	0.041993	0.007998	0.002999	0.005999	0.001999	0.000999
52	0.288956	0.084987	0.015997	0.045993	0.002999	0.001999
64	1.57076	0.542917	0.037994	0.294955	0.006998	0.005999
72	5.80912	2.06868	0.067989	1.20782	0.010998	0.012998
84	14.8947	3.11453	0.145977	3.61545	0.023996	0.017997
92	255.832	6.40503	0.19297	12.867	0.036994	0.024996
104	651.857	12.6471	0.219966	18.6282	0.065989	0.046992
112	1389.89	51.6701	0.387941	83.5903	0.094985	0.075988
124	1800	133.037	0.569913	110.382	0.145977	0.077988
132	1800	560.145	2.32465	276.69	0.211967	0.161975
144	1800	986.581	0.814876	631.748	0.32795	0.211967
152	-	1800	3.34149	895.087	0.449931	0.352946
164	-	1800	2.6386	1800	0.620905	0.59091
172	-	1800	5.42518	1800	0.815875	0.58591
184	-	-	5.36218	1800	1.17782	1.10683
192	-	-	11.3923	1800	1.59876	1.25981
204	-	-	17.9293	-	2.32665	1.79573
212	-	-	13.026	-	2.72059	2.04269
224	-	-	40.0579	-	3.52346	3.17252
232	-	-	58.927	-	4.45732	3.89341
244	-	-	51.6801	-	5.79012	4.51431
252	-	-	212.996	-	7.05393	5.81312
264	-	-	119.494	-	7.74582	7.77482
272	-	-	108.23	-	9.90349	8.69468
284	-	-	270.054	-	13.6019	9.76451
292	-	-	238.618	-	16.8944	11.4913
304	-	-	389.805	-	19.467	18.5272
312	-	-	479.451	-	21.2668	21.1758
324	-	-	755.825	-	23.7634	26.9549
332	-	-	838.488	-	31.1133	39.8109
344	-	-	1150.78	-	37.2963	39.786
352	-	-	1800	-	49.9734	43.9723
364	-	-	1514.5	-	49.9364	47.5968
372	-	-	1800	-	61.0747	56.9743
384	-	-	1800	-	70.8072	88.2696
392	-	-	1800	-	72.487	102.577

RPHP, 4 pigeons, no shuffle, preprocessing, no clause removal  
CPU time expressed in seconds

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
8	0.0	0.0	0.0	0.000999	0.0	0.0
16	0.0	0.000999	0.000999	0.0	0.000999	0.0
24	0.000999	0.000999	0.000999	0.0	0.000999	0.0
32	0.000999	0.000999	0.000999	0.000999	0.0	0.000999
44	0.003999	0.001999	0.000999	0.002999	0.001999	0.001999
52	0.031995	0.002999	0.002999	0.015997	0.001999	0.000999
64	0.105983	0.006998	0.004999	0.06299	0.004999	0.004999
72	0.198969	0.018997	0.010998	0.410937	0.008998	0.007998
84	0.416936	0.038994	0.024996	1.14283	0.016997	0.014997
92	0.895863	0.095985	0.048992	3.98439	0.039993	0.035994
104	1.54976	0.199969	0.091986	5.64214	0.075988	0.069989
112	2.09868	0.305953	0.121981	9.05562	0.097985	0.075988
124	3.65544	0.567913	0.267959	24.6263	0.178972	0.155976
132	5.82511	1.08283	0.351946	35.2616	0.295955	0.252961
144	9.54155	1.86772	0.59191	44.8532	0.496924	0.426935
152	14.8127	3.42348	0.998848	96.5133	0.778881	0.662899
164	23.1985	5.9271	1.43278	146.082	1.26181	0.847871
172	34.3878	9.44156	2.09168	203.681	1.83372	1.3258
184	51.5592	15.2777	3.20851	369.35	2.68359	2.25166
192	76.3464	25.7181	4.84126	463.58	4.35134	2.98754
204	124.909	36.0035	6.63399	754.552	6.85696	4.71128
212	177.376	51.9881	10.0665	1246.51	7.71483	4.94825
224	260.773	70.9892	10.0525	1523.08	9.63254	5.57615
232	366.678	108.353	15.5046	1800	14.1289	8.30174
244	537.565	147.546	18.4122	1800	16.6725	11.6002
252	721.107	205.879	23.2965	1800	21.7167	13.117
264	1043.72	285.268	30.7363	-	27.3398	17.5693
272	1386.75	365.519	35.7366	-	31.4552	26.593
284	1800	498.344	40.5108	-	37.1324	24.7442
292	1800	800.215	69.7614	-	68.1146	44.0853
304	1800	858.84	66.8418	-	58.7161	34.7027
312	-	1257.48	93.4568	-	95.9054	50.7843
324	-	1642.83	133.599	-	120.663	68.2346
332	-	1800	164.38	-	134.83	69.9834
344	-	1800	172.159	-	189.817	114.504
352	-	1800	228.098	-	197.997	107.885
364	-	-	245.058	-	287.867	168.327
372	-	-	300.094	-	303.853	143.208
384	-	-	365.036	-	392.644	212.71
392	-	-	440.821	-	509.597	240.225

RPHP, 4 pigeons, no shuffle, preprocessing, clause removal  
CPU time expressed in seconds

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
8	0.000999	0.000999	0.0	0.000999	0.0	0.0
16	0.0	0.0	0.000999	0.000999	0.000999	0.000999
24	0.000999	0.000999	0.000999	0.000999	0.000999	0.000999
32	0.0	0.000999	0.000999	0.000999	0.000999	0.000999
44	0.035994	0.004999	0.001999	0.003999	0.000999	0.000999
52	0.219966	0.079987	0.010998	0.023996	0.001999	0.001999
64	0.746886	0.358945	0.067989	0.12898	0.004999	0.003999
72	2.58961	1.3438	0.144977	0.513921	0.011998	0.013997
84	18.8651	3.02254	0.155976	1.25381	0.023996	0.029995
92	84.2802	7.81881	0.224965	3.53246	0.047992	0.036994
104	222.649	19.729	0.264959	7.8668	0.073988	0.073988
112	493.432	98.0371	0.532918	16.4795	0.115982	0.081987
124	1209.82	315.499	1.07384	43.3794	0.156976	0.153976
132	1800	1136.58	2.0027	74.5487	0.26196	0.228965
144	1800	1800	3.02454	182.282	0.358945	0.284956
152	1800	1800	2.68959	253.93	0.543917	0.505923
164	-	1800	4.13537	433.532	0.637903	0.641902
172	-	-	3.74943	847.83	0.958854	0.994848
184	-	-	4.74328	1110.15	1.43578	1.35779
192	-	-	8.87465	1728.29	2.07368	2.07868
204	-	-	17.2404	1800	2.42763	2.31565
212	-	-	18.0703	1800	3.19951	2.82957
224	-	-	28.0117	1800	3.47047	3.65844
232	-	-	39.281	-	5.43017	3.74043
244	-	-	33.8838	-	6.03708	4.50031
252	-	-	47.7447	-	7.2589	5.69213
264	-	-	98.902	-	9.72152	8.30974
272	-	-	149.834	-	12.2891	11.6112
284	-	-	340.653	-	15.9726	14.2438
292	-	-	95.5265	-	17.4413	18.1852
304	-	-	428.499	-	21.9077	20.8838
312	-	-	386.24	-	25.2792	23.0705
324	-	-	428.519	-	30.5214	27.0079
332	-	-	842.969	-	31.4392	40.8048
344	-	-	1062.74	-	43.8633	40.9108
352	-	-	980.999	-	47.4968	42.5815
364	-	-	1414.73	-	54.7227	53.4069
372	-	-	1800	-	61.1027	64.7862
384	-	-	1696.54	-	71.6931	73.6438
392	-	-	1800	-	88.5165	92.6949

RPHP, 4 pigeons, shuffle, preprocessing, no clause removal  
CPU time expressed in seconds

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
8	0.000999	0.0	0.0	0.0	0.0	0.0
16	0.0	0.000999	0.000999	0.000999	0.0	0.000999
24	0.0	0.0	0.000999	0.000999	0.000999	0.0
32	0.0	0.0	0.0	0.000999	0.0	0.000999
44	0.004999	0.000999	0.000999	0.003999	0.000999	0.000999
52	0.035994	0.003999	0.002999	0.012998	0.001999	0.001999
64	0.106983	0.008998	0.004999	0.107983	0.003999	0.003999
72	0.207968	0.017997	0.011998	0.316951	0.007998	0.006998
84	0.471928	0.044993	0.022996	0.873867	0.019996	0.017997
92	0.775882	0.086986	0.042993	2.55861	0.029995	0.026995
104	1.56076	0.207968	0.083987	7.97579	0.070989	0.06099
112	2.01569	0.311952	0.12598	8.74767	0.089986	0.089986
124	3.52446	0.574912	0.237963	16.8244	0.172973	0.115982
132	5.83411	1.10483	0.383941	33.6729	0.316951	0.240963
144	9.55355	1.86372	0.637903	51.9641	0.435933	0.427934
152	14.7268	3.21651	0.978851	94.1447	0.700893	0.657899
164	22.9865	5.74313	1.54776	153.099	1.21182	0.845871
172	35.1347	9.76751	2.32065	183.97	1.62075	1.43878
184	52.2881	15.9586	3.40048	382.715	2.37764	2.31165
192	75.6545	25.2242	4.68629	416.495	4.02039	3.12453
204	114.613	24.3043	5.52216	762.014	4.50131	3.22151
212	175.849	43.8173	8.47171	1352.97	6.70998	4.66729
224	248.356	70.9662	10.0665	1531.36	9.04862	5.8951
232	354.208	68.3776	12.97	1800	8.28874	6.78197
244	504.878	136.435	16.9524	1800	15.6716	10.1885
252	702.723	166.74	23.4184	1800	18.8701	12.3611
264	1049.02	279.802	29.2576	1800	27.1109	18.0093
272	1418.15	378.992	40.8198	-	34.6147	24.8812
284	1800	517.018	55.2476	-	40.3409	28.4597
292	1800	715.574	61.3997	-	58.2691	38.3632
304	1800	1032.85	77.3452	-	78.997	50.9892
312	-	1274.65	108.417	-	104.511	56.4194
324	-	1778.13	123.658	-	117.53	69.6224
332	-	1800	123.391	-	113.479	60.6278
344	-	1800	186.543	-	179.594	96.7043
352	-	1800	214.316	-	199.566	104.872
364	-	-	271.356	-	278.644	170.604
372	-	-	283.464	-	307.144	170.481
384	-	-	370.691	-	408.223	196.062
392	-	-	404.616	-	458.08	192.762

**RPHP, 4 pigeons, shuffle, preprocessing, clause removal**  
**CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
8	0.0	0.0	0.000999	0.000999	0.0	0.000999
16	0.000999	0.000999	0.0	0.000999	0.0	0.000999
24	0.000999	0.000999	0.000999	0.000999	0.0	0.000999
32	0.000999	0.000999	0.000999	0.0	0.0	0.0
44	0.040993	0.004999	0.001999	0.002999	0.001999	0.001999
52	0.337948	0.069989	0.008998	0.025996	0.002999	0.002999
64	1.55576	0.462929	0.106983	0.109983	0.005999	0.003999
72	2.71359	1.2998	0.135979	0.210967	0.010998	0.006998
84	26.077	3.43548	0.25796	1.41379	0.023996	0.021996
92	64.4932	7.2429	0.32295	2.6356	0.040993	0.029995
104	250.272	19.2581	0.270958	7.69183	0.073988	0.05999
112	462.289	97.8091	0.267959	14.3028	0.108983	0.104984
124	1024.75	321.176	0.471928	31.6832	0.147977	0.143978
132	1800	1127.86	0.607907	89.1514	0.26196	0.186971
144	1800	1800	1.55676	115.196	0.328949	0.249962
152	1800	1800	2.04169	246.438	0.494924	0.398939
164	-	1800	3.19451	476.358	0.743886	0.802877
172	-	-	4.11637	780.13	0.935857	0.934857
184	-	-	7.38988	1439.81	1.41278	1.20282
192	-	-	8.66468	1399.31	2.03269	1.46378
204	-	-	19.849	1800	2.35164	1.51777
212	-	-	10.1075	1800	2.73058	2.27565
224	-	-	17.5153	1800	3.89741	3.02354
232	-	-	50.0864	-	4.85826	3.67944
244	-	-	62.1665	-	5.85911	4.02739
252	-	-	94.8076	-	7.40587	7.42787
264	-	-	72.056	-	8.95064	7.76582
272	-	-	113.797	-	13.6099	15.2057
284	-	-	142.093	-	15.1847	12.7131
292	-	-	150.772	-	17.3104	17.9753
304	-	-	199.394	-	19.3281	20.5319
312	-	-	489.33	-	23.8504	18.7042
324	-	-	665.751	-	32.3191	27.2309
332	-	-	1800	-	38.6321	29.0056
344	-	-	584.813	-	38.2022	37.1474
352	-	-	1402.87	-	48.5816	48.2527
364	-	-	684.945	-	54.3627	52.473
372	-	-	1785.12	-	72.355	52.718
384	-	-	1800	-	65.516	55.9955
392	-	-	1516.88	-	82.8194	94.7076

**RPHP, 5 pigeons, no shuffle, no preprocessing, no clause removal**  
**CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
11	0.0	0.0	0.0	0.0	0.000999	0.0
22	0.0	0.0	0.0	0.0	0.000999	0.0
33	0.0	0.000999	0.0	0.000999	0.0	0.000999
44	0.000999	0.000999	0.0	0.000999	0.000999	0.0
60	0.010998	0.001999	0.001999	0.008998	0.000999	0.001999
71	0.442932	0.008998	0.009998	0.352946	0.002999	0.001999
87	10.2034	0.030995	0.016997	7.13291	0.008998	0.006998
98	64.8601	0.133979	0.049992	252.648	0.024996	0.022996
114	203.72	0.300954	0.099984	1502.61	0.066989	0.050992
125	789.645	0.52492	0.201969	1800	0.168974	0.173973
141	1800	1.42878	0.575912	1800	0.488925	0.402938
152	1800	3.22151	1.3358	1800	1.00385	1.38579
168	1800	6.81496	1.9517	-	1.67674	1.3388
179	-	11.9142	3.89141	-	3.2865	5.84511
195	-	27.2459	10.1575	-	7.2439	3.88741
206	-	53.2009	19.0901	-	12.4251	14.3078
222	-	95.4515	28.7876	-	23.8654	23.7894
233	-	178.792	56.5764	-	36.2255	33.6599
249	-	335.095	128.707	-	59.9459	57.5992
260	-	571.695	153.89	-	108.328	105.263
276	-	955.599	236.127	-	152.728	202.386
287	-	1615.8	508.796	-	296.909	401.576
303	-	1800	775.935	-	452.173	424.252
314	-	1800	1048.26	-	600.759	656.479
330	-	1800	1212.47	-	788.345	781.863
341	-	-	1800	-	1179.47	1368.05
357	-	-	1800	-	1800	1800
368	-	-	1800	-	1800	1800
384	-	-	-	-	1800	1800
395	-	-	-	-	1800	-

**RPHP, 5 pigeons, no shuffle, no preprocessing, clause removal**  
**CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
11	0.0	0.000999	0.0	0.0	0.0	0.000999
22	0.0	0.0	0.0	0.0	0.000999	0.000999
33	0.000999	0.0	0.0	0.0	0.000999	0.0
44	0.000999	0.000999	0.0	0.000999	0.0	0.0
60	0.069989	0.010998	0.005999	0.005999	0.001999	0.001999
71	9.8765	0.222966	0.065989	0.148977	0.005999	0.003999
87	77.1593	0.875866	0.691894	4.09138	0.032994	0.033994
98	1269.62	4.72228	2.13068	81.1397	0.093985	0.082987
114	1800	16.2835	12.852	585.363	0.222966	0.134979
125	1800	89.7784	49.1735	1800	0.508922	0.368943
141	1800	288.318	831.646	1800	0.754885	0.72289
152	-	1800	1800	1800	1.63775	1.43978
168	-	1800	1800	-	3.3005	2.50462
179	-	1800	1800	-	5.15622	4.5863
195	-	-	-	-	7.80781	7.41387
206	-	-	-	-	12.983	10.2074
222	-	-	-	-	21.2278	25.4411
233	-	-	-	-	30.4354	23.9824
249	-	-	-	-	49.0455	37.5733
260	-	-	-	-	70.6293	82.1775
276	-	-	-	-	85.604	120.983
287	-	-	-	-	122.743	142.59
303	-	-	-	-	186.538	228.722
314	-	-	-	-	236.708	261.704
330	-	-	-	-	379.63	403.871
341	-	-	-	-	418.178	584.49
357	-	-	-	-	615.087	1035.11
368	-	-	-	-	754.096	992.098
384	-	-	-	-	1095.66	1800
395	-	-	-	-	1568.9	1800
411	-	-	-	-	1659.59	1800
422	-	-	-	-	1800	-
438	-	-	-	-	1800	-
449	-	-	-	-	1800	-



**RPHP, 5 pigeons, shuffle, no preprocessing, no clause removal**  
**CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
11	0.000999	0.0	0.0	0.0	0.000999	0.0
22	0.000999	0.0	0.000999	0.0	0.0	0.0
33	0.000999	0.0	0.000999	0.000999	0.0	0.0
44	0.0	0.000999	0.0	0.000999	0.000999	0.0
60	0.010998	0.002999	0.000999	0.005999	0.000999	0.000999
71	0.38894	0.007998	0.004999	0.269958	0.002999	0.001999
87	9.70452	0.033994	0.014997	12.2511	0.009998	0.007998
98	66.1979	0.102984	0.044993	261.051	0.036994	0.031995
114	226.731	0.247962	0.088986	1243.66	0.093985	0.075988
125	827.332	0.648901	0.19597	1800	0.188971	0.174973
141	1800	2.38364	0.805877	1800	0.379942	0.407937
152	1800	3.06353	1.43378	1800	1.2968	1.46278
168	1800	7.27489	2.17367	-	1.9557	1.68874
179	-	14.2878	4.72428	-	4.10938	2.82057
195	-	23.4664	10.5374	-	7.8618	6.12907
206	-	46.6549	22.0456	-	15.4097	20.5199
222	-	92.7459	30.8633	-	20.3489	20.5689
233	-	185.738	66.3639	-	34.8327	33.8449
249	-	324.479	105.91	-	63.0074	54.1058
260	-	583.252	163.15	-	107.737	105.157
276	-	954.078	262.851	-	151.714	148.35
287	-	1605.42	377.287	-	237.753	281.142
303	-	1800	813.48	-	482.191	389.832
314	-	1800	970.589	-	577.696	617.152
330	-	1800	1800	-	802.527	938.312
341	-	-	1800	-	1295.1	1203.8
357	-	-	1800	-	1800	1702.75
368	-	-	-	-	1800	1800
384	-	-	-	-	1800	1800
395	-	-	-	-	1800	1800

**RPHP, 5 pigeons, shuffle, no preprocessing, clause removal**  
**CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
11	0.0	0.0	0.0	0.0	0.0	0.0
22	0.000999	0.0	0.000999	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.000999
44	0.000999	0.0	0.0	0.0	0.0	0.0
60	0.071989	0.011998	0.002999	0.004999	0.000999	0.001999
71	9.69553	0.203968	0.097985	0.189971	0.005999	0.004999
87	75.0506	0.954854	0.539917	4.73628	0.031995	0.029995
98	1065.23	4.24635	2.68259	97.7401	0.094985	0.072988
114	1800	15.8876	14.5598	591.561	0.233964	0.240963
125	1800	87.6817	166.238	1800	0.507922	0.437933
141	1800	264.511	993.661	1800	0.747886	0.608907
152	-	1800	1800	1800	1.70974	1.51877
168	-	1800	1800	-	2.98355	1.70674
179	-	1800	1800	-	4.28735	4.71528
195	-	-	-	-	7.8918	9.63554
206	-	-	-	-	13.055	10.7724
222	-	-	-	-	21.6367	16.9794
233	-	-	-	-	30.2494	29.0946
249	-	-	-	-	51.5482	43.8573
260	-	-	-	-	54.4487	55.4986
276	-	-	-	-	85.56	120.799
287	-	-	-	-	139.805	127.601
303	-	-	-	-	215.07	217.992
314	-	-	-	-	255.293	272.052
330	-	-	-	-	373.009	375.947
341	-	-	-	-	537.335	615.477
357	-	-	-	-	668.366	674.783
368	-	-	-	-	892.333	757.041
384	-	-	-	-	987.295	1354.35
395	-	-	-	-	1522.305	1479.35
411	-	-	-	-	1688.435	1800
422	-	-	-	-	1800	1800
438	-	-	-	-	1800	1800
449	-	-	-	-	1800	-

**RPHP, 5 pigeons, no shuffle, preprocessing, no clause removal**  
**CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
11	0.0	0.0	0.0	0.0	0.000999	0.0
22	0.000999	0.000999	0.000999	0.000999	0.000999	0.000999
33	0.0	0.000999	0.000999	0.0	0.0	0.0
44	0.000999	0.0	0.000999	0.000999	0.000999	0.000999
60	0.006998	0.002999	0.002999	0.002999	0.002999	0.001999
71	0.176973	0.013997	0.006998	0.087986	0.004999	0.003999
87	3.17152	0.06099	0.023996	1.9647	0.013997	0.012998
98	14.3758	0.242963	0.074988	31.5742	0.053991	0.033994
114	55.3216	0.869867	0.321951	321.059	0.148977	0.138978
125	134.331	2.21666	0.567913	983.403	0.419936	0.32395
141	316.976	6.12507	1.35279	1800	1.07584	0.750885
152	639.09	10.8793	2.66659	1800	1.66175	1.48977
168	1459.01	27.0439	5.71313	1800	4.07438	2.93655
179	1800	60.8398	10.2524	-	8.50971	6.47401
195	1800	126.692	23.1125	-	18.7501	11.6682
206	1800	308.838	36.9454	-	35.2446	23.7034
222	-	505.94	77.8072	-	67.1198	45.3161
233	-	1113.24	128.345	-	120.334	76.0914
249	-	1800	218.52	-	182.382	154.475
260	-	1800	364.572	-	324.788	216.209
276	-	1800	535.179	-	567.444	334.701
287	-	1800	756.332	-	712.39	516.281
303	-	-	1090.9	-	935.146	601.492
314	-	-	1554.71	-	1657.92	840.515
330	-	-	1800	-	1800	1069.2
341	-	-	1800	-	1800	1800
357	-	-	1800	-	1800	1800
368	-	-	-	-	1800	1800

**RPHP, 5 pigeons, no shuffle, preprocessing, clause removal**  
**CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
11	0.0	0.000999	0.0	0.0	0.0	0.000999
22	0.000999	0.000999	0.0	0.0	0.000999	0.0
33	0.000999	0.0	0.000999	0.000999	0.001999	0.000999
44	0.000999	0.000999	0.0	0.000999	0.0	0.0
60	0.087986	0.021996	0.005999	0.002999	0.001999	0.001999
71	3.9384	0.335948	0.025996	0.070989	0.005999	0.007998
87	21.9847	0.932858	0.132979	1.18582	0.028995	0.035994
98	185.429	5.49716	0.91586	16.2455	0.089986	0.098984
114	1800	47.1118	13.239	46.004	0.231964	0.228965
125	1800	516.896	82.7834	586.695	0.58891	0.545917
141	1800	1800	826.513	1045.93	0.98185	1.15782
152	-	1800	1800	1800	2.41263	1.70774
168	-	1800	1800	1800	3.71344	4.16137
179	-	-	1800	1800	7.78482	6.04708
195	-	-	-	-	11.0153	10.7584
206	-	-	-	-	22.8515	20.0779
222	-	-	-	-	29.1446	40.7808
233	-	-	-	-	45.6401	43.7084
249	-	-	-	-	76.4854	80.4198
260	-	-	-	-	124.292	143.847
276	-	-	-	-	192.488	186.668
287	-	-	-	-	211.75	390.176
303	-	-	-	-	341.332	498.243
314	-	-	-	-	469.297	471.802
330	-	-	-	-	571.917	507.424
341	-	-	-	-	569.434	759.504
357	-	-	-	-	993.601	1232.82
368	-	-	-	-	1344.69	1800
384	-	-	-	-	1499.03	1800
395	-	-	-	-	1800	1800
411	-	-	-	-	1800	-
422	-	-	-	-	1800	-
438	-	-	-	-	1800	-

**RPHP, 5 pigeons, shuffle, preprocessing, no clause removal**  
**CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
11	0.0	0.0	0.0	0.0	0.000999	0.0
22	0.0	0.000999	0.0	0.000999	0.000999	0.000999
33	0.0	0.0	0.000999	0.000999	0.000999	0.000999
44	0.001999	0.000999	0.000999	0.000999	0.000999	0.000999
60	0.006998	0.002999	0.001999	0.003999	0.000999	0.001999
71	0.174973	0.014997	0.006998	0.122981	0.005999	0.003999
87	3.13552	0.066989	0.021996	1.9607	0.014997	0.012998
98	15.1137	0.254961	0.075988	27.5578	0.045993	0.030995
114	57.5622	0.860869	0.330949	266.245	0.154976	0.134979
125	156.452	2.78558	0.689895	1485.5	0.486925	0.357945
141	385.064	6.28404	1.64075	1800	1.20682	0.988849
152	634.563	11.6972	2.47162	1800	1.9727	1.20582
168	1392.28	29.6165	5.35818	1800	3.89541	2.76458
179	1800	61.1777	10.6014	-	9.26159	6.43202
195	1800	130.232	22.6046	-	19.3381	14.0919
206	1800	265.331	42.4955	-	36.0135	23.7004
222	-	534.958	68.6236	-	62.5155	45.4131
233	-	992.707	123.63	-	121.561	90.9532
249	-	1800	223.358	-	190.981	147.797
260	-	1800	350.165	-	310.147	225.554
276	-	1800	495.854	-	489.343	297.121
287	-	1800	742.453	-	732.756	519.089
303	-	-	986.449	-	1053.86	603.751
314	-	-	1683.33	-	1581.82	1047.01
330	-	-	1800	-	1800	1212.38
341	-	-	1800	-	1800	1775.59
357	-	-	1800	-	1800	1800
368	-	-	-	-	-	1800
384	-	-	-	-	-	1800

**RPHP, 5 pigeons, shuffle, preprocessing, clause removal**  
**CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
11	0.0	0.0	0.0	0.000999	0.000999	0.0
22	0.000999	0.000999	0.0	0.000999	0.000999	0.0
33	0.000999	0.0	0.000999	0.000999	0.0	0.000999
44	0.0	0.000999	0.000999	0.000999	0.000999	0.0
60	0.058991	0.018997	0.005999	0.003999	0.000999	0.001999
71	5.32719	0.232964	0.034994	0.079987	0.005999	0.004999
87	20.6359	1.01784	0.139978	1.3208	0.029995	0.027995
98	208.941	5.10222	0.928858	16.8984	0.093985	0.111982
114	1800	47.2948	8.49371	99.2979	0.241963	0.227965
125	1800	537.402	152.31	354.689	0.580911	0.545917
141	1800	1800	1371.52	1800	1.54676	1.15582
152	-	1800	1800	1800	1.66575	2.21666
168	-	1800	1800	1800	4.03539	3.46447
179	-	-	1800	1800	8.69168	7.2169
195	-	-	-	-	11.3133	11.5382
206	-	-	-	-	22.7865	18.1002
222	-	-	-	-	29.8715	30.4154
233	-	-	-	-	68.9155	52.849
249	-	-	-	-	84.3402	87.6967
260	-	-	-	-	150.849	130.228
276	-	-	-	-	176.915	205.013
287	-	-	-	-	249.973	259.125
303	-	-	-	-	356.083	414.814
314	-	-	-	-	487.223	552.446
330	-	-	-	-	526.475	617.869
341	-	-	-	-	1051.27	1098.79
357	-	-	-	-	1123.77	1361.25
368	-	-	-	-	1477.51	1430.48
384	-	-	-	-	1399.31	1696.39
395	-	-	-	-	1800	1800
411	-	-	-	-	1800	1800
422	-	-	-	-	1800	1800
438	-	-	-	-	1800	-

# Tseitin grids

**Tseitin grids, width: 2, no shuffle, no preprocessing  
no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
1	0.0	0.000999	0.0	0.0	0.0	0.0
301	0.474927	0.029995	0.013997	1.3378	0.004999	0.003999
601	2.12668	0.120981	0.038994	11.2513	0.019996	0.010998
901	6.47701	0.295955	0.087986	24.3033	0.041993	0.019996
1201	11.6102	0.498924	0.153976	60.4768	0.075988	0.029995
1501	19.1921	0.922859	0.237963	100.345	0.116982	0.049992
1801	30.0264	1.3078	0.320951	197.844	0.176973	0.06499
2101	44.4842	1.92671	0.387941	257.601	0.296954	0.073988
2401	55.9855	2.68359	0.445932	291.07	0.331949	0.131979
2701	76.8713	3.71443	0.639902	400.302	0.398939	0.120981
3001	99.4249	4.54431	1.00785	575.219	0.490925	0.124981
3301	125.663	5.35818	0.78388	668.853	0.723889	0.188971
3601	158.735	7.15391	0.91986	764.781	0.78488	0.158975
3901	197.41	9.54655	1.72374	890.484	1.3088	0.208968
4201	237.555	10.1035	1.45978	1115.13	1.3358	0.245962
4501	285.204	14.0369	1.50677	1149.74	1.53977	0.253961
4801	350.788	17.5833	1.3388	1440.38	1.62575	0.237963
5101	385.317	17.5543	2.76758	1396.6	1.72174	0.275958
5401	470.187	21.1108	2.46862	1592.615	1.86972	0.274958
5701	514.713	25.5991	2.55661	1800	2.14367	0.380942
6001	596.479	29.8885	2.42463	1800	2.37864	0.397939
6301	695.909	35.4396	2.01569	1800	2.70259	0.481926
6601	805.782	40.4698	2.91556	1800	3.51047	0.437933
6901	870.65	44.0883	2.68659	-	3.78043	0.439933
7201	994.303	51.6212	4.29235	-	4.18836	0.52292
7501	1104.92	60.8667	3.2815	-	5.56815	0.494924
7801	1184.91	67.5457	3.68844	-	6.22205	0.739887
8101	1347.43	70.4953	3.77043	-	6.73398	0.626904
8401	1489.47	81.6966	3.52146	-	6.84396	0.611906
8701	1560.6	102.311	3.83642	-	7.29489	0.764883
9001	1732.13	94.1377	4.14437	-	7.58785	0.837872
9301	1800	112.843	4.45732	-	7.8828	1.01984
9601	1800	138.846	4.35134	-	8.23775	0.809876
9901	1800	138.118	4.82227	-	8.28674	0.857869
10201	-	161.15	5.58315	-	8.69168	1.22981
10501	-	182.857	6.08308	-	8.95864	1.3208
10801	-	191.284	5.74413	-	9.39257	1.09883
11101	-	205.242	8.72267	-	10.4294	1.02484
11401	-	215.841	6.28704	-	10.8374	1.15782
11701	-	257.207	12.1352	-	11.2513	1.13283



**Tseitin grids, width: 2, no shuffle, no preprocessing  
clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
1	0.0	0.0	0.0	0.000999	0.0	0.000999
301	0.232964	0.046992	0.027995	0.273958	0.007998	0.005999
601	1.06784	0.208968	0.067989	1.15382	0.025996	0.014997
901	2.70359	0.490925	0.165974	3.49047	0.06199	0.022996
1201	5.2602	0.78788	0.300954	6.28005	0.119981	0.042993
1501	8.88465	1.68474	0.382941	10.2854	0.213967	0.083987
1801	13.8209	2.46862	0.753885	17.0514	0.308953	0.092985
2101	20.1799	3.69144	1.17382	22.1706	0.354946	0.114982
2401	26.9199	4.87226	0.470928	36.5234	0.508922	0.159975
2701	37.3533	6.12707	1.78473	45.2751	0.891864	0.212967
3001	48.4396	9.1966	1.9997	52.858	1.10283	0.162975
3301	60.5168	9.82651	1.09883	65.55	1.17082	0.295955
3601	75.5015	10.4924	1.03584	85.769	1.43578	0.200969
3901	91.5111	20.2159	3.17352	99.2339	1.42878	0.356945
4201	110.165	17.5813	2.05169	113.368	2.13368	0.356945
4501	132.38	21.4667	1.68474	139.432	2.29965	0.72089
4801	156.463	27.9957	1.38279	177.393	3.69544	0.271958
5101	180.711	30.5883	7.52585	194.879	3.76943	0.479927
5401	205.312	39.649	2.55361	209.855	3.73143	0.266959
5701	237.737	41.7986	5.11322	236.193	4.45332	0.765883
6001	264.091	51.2532	2.6246	261.467	4.70029	0.447931
6301	306.324	55.7165	1.9897	307.228	4.83226	0.603908
6601	346.388	66.2239	3.02054	345.614	5.51016	0.460929
6901	388.142	65.2721	2.72959	358.683	6.47401	0.449931
7201	426.867	69.8574	4.39033	412.379	6.45702	0.657899
7501	468.651	94.6276	3.2845	464.328	7.27789	0.658899
7801	529.72	101.498	4.30934	490.116	8.5197	0.697893
8101	575.274	101.096	3.90041	534.836	7.57185	0.691894
8401	625.498	127.522	3.54346	662.59	9.16461	0.667898
8701	691.667	145.68	3.77243	693.769	10.9483	0.728889
9001	756.427	160.013	4.25635	768.622	14.7478	0.881865
9301	831.967	157.213	4.34534	812.042	17.0804	1.21281
9601	890.139	226.112	4.6163	884.058	13.46	0.824874
9901	981.043	186.91	5.00824	937.356	14.2438	0.866868
10201	1061.13	223.655	5.49416	1047.2	19.3031	1.39979
10501	1190.59	278.303	5.98409	1065.81	19.492	2.12968
10801	1203.52	269.106	5.78912	1228.91	20.0899	1.09983
11101	1308.93	298.396	10.5864	1223.41	20.8608	1.02884
11401	1464.12	350.792	6.64999	1350.36	21.3308	1.14983
11701	1534.8	363.684	25.8601	1440.97	22.3796	1.27981

Tseitin grids, width: 2, shuffle, no preprocessing  
no clause removal  
CPU time expressed in seconds

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
1	0.0	0.0	0.000999	0.0	0.0	0.0
301	0.432934	0.025996	0.013997	1.24881	0.005999	0.003999
601	2.08168	0.118981	0.044993	9.96748	0.020996	0.013997
901	5.81012	0.292955	0.102984	30.1534	0.045993	0.020996
1201	10.9343	0.517921	0.19697	62.7405	0.076988	0.032994
1501	20.1829	0.865868	0.329949	113.276	0.123981	0.051992
1801	30.8653	1.23481	0.411937	203.678	0.199969	0.058991
2101	42.2076	1.9437	0.484926	232.59	0.307953	0.119981
2401	62.6035	2.6406	0.52492	336.477	0.351946	0.099984
2701	76.6743	3.81142	0.896863	442.006	0.424935	0.113982
3001	96.8613	4.85126	1.20382	570.69	0.463929	0.160975
3301	129.667	5.79712	0.930858	637.562	0.755885	0.19697
3601	155.869	7.45587	1.52777	837.986	1.06584	0.205968
3901	191.076	8.97463	1.62875	941.507	1.3398	0.230964
4201	236.801	11.7982	2.25666	1207.49	1.47378	0.295955
4501	284.427	13.8279	2.07268	1256.24	1.58576	0.25896
4801	331.231	16.2585	2.55561	1301.72	1.72474	0.377942
5101	397.484	18.2852	2.77858	1407.355	1.83572	0.38994
5401	474.329	23.8824	3.70944	1800	1.9527	0.446932
5701	558.911	25.0102	3.46947	1800	2.20366	0.619905
6001	615.662	29.5035	4.70928	1800	2.43663	0.649901
6301	698.811	33.5529	4.66529	1800	2.81457	0.693894
6601	804.45	41.3287	3.9344	-	3.71344	0.616906
6901	915.271	45.0102	6.32404	-	3.89441	0.779881
7201	997.023	53.5179	5.29719	-	4.75628	0.765883
7501	1064.0	59.7929	5.84611	-	5.83211	0.826874
7801	1266.46	63.5413	8.68068	-	6.61399	1.23681
8101	1366.32	77.6852	7.76982	-	6.89395	1.05684
8401	1539.03	86.9528	7.8698	-	7.14391	0.921859
8701	1635.17	100.662	9.2276	-	7.44987	1.3188
9001	1800	111.709	9.47456	-	7.75982	1.73673
9301	1800	119.083	11.8982	-	8.04978	1.3218
9601	1800	138.62	9.28359	-	8.48071	1.21481
9901	1800	144.351	17.2644	-	8.69068	1.68774
10201	-	161.204	13.6609	-	8.97264	1.88671
10501	-	179.804	13.434	-	9.24759	1.51777
10801	-	195.879	13.356	-	9.80351	2.15767
11101	-	210.69	13.5549	-	10.4214	2.45363
11401	-	235.014	18.2542	-	11.0993	2.03669
11701	-	271.771	18.3162	-	11.5332	2.37964

Tseitin grids, width: 2, shuffle, no preprocessing  
 clause removal  
 CPU time expressed in seconds

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
1	0.0	0.0	0.0	0.0	0.000999	0.0
301	0.249962	0.048992	0.025996	0.250961	0.008998	0.005999
601	1.14983	0.217966	0.092985	1.10383	0.029995	0.015997
901	2.91156	0.495924	0.154976	3.3205	0.06099	0.024996
1201	5.38318	0.85187	0.243962	5.99609	0.122981	0.066989
1501	8.96264	1.61076	0.476927	10.6994	0.217966	0.070989
1801	14.1998	2.14467	0.526919	16.8784	0.285956	0.080987
2101	19.902	3.43748	0.725889	21.8097	0.305953	0.157975
2401	28.3987	4.51831	1.10283	30.6593	0.753885	0.106983
2701	36.9824	6.28204	1.43478	44.8392	0.864868	0.172973
3001	49.1355	8.81766	1.49377	56.4104	0.978851	0.188971
3301	62.6335	10.1165	0.932858	66.7609	1.18082	0.352946
3601	74.7956	12.5061	2.07468	85.9269	1.21582	0.220966
3901	94.2487	16.6605	2.58461	98.492	1.60676	0.304953
4201	111.394	20.5969	2.29465	113.814	2.24866	0.399939
4501	134.772	25.1242	2.19367	138.683	1.89171	0.306953
4801	156.56	25.0262	3.15752	174.515	2.99954	0.449931
5101	185.012	33.3439	3.2735	202.208	4.07638	0.375942
5401	210.522	42.5135	5.08123	227.212	4.22936	0.560914
5701	238.59	39.0611	3.89441	247.617	4.5983	0.554915
6001	271.868	48.6386	4.72028	277.434	4.78527	0.724889
6301	306.46	47.4078	7.93779	318.207	5.13022	0.953854
6601	352.049	69.0195	4.38133	320.693	5.49716	1.91371
6901	380.27	78.5471	6.603	365.119	6.16806	1.08783
7201	438.615	88.0956	5.8891	434.71	6.593	1.00485
7501	480.521	101.335	6.71898	466.348	9.45356	1.03584
7801	527.27	113.888	9.81751	577.294	8.60469	1.19282
8101	592.394	116.967	11.4093	640.973	10.6174	1.04884
8401	641.015	119.423	10.4294	684.406	9.32458	0.972852
8701	714.834	144.716	10.4804	722.313	11.5302	1.53877
9001	772.445	159.592	9.56654	784.404	13.095	2.72858
9301	853.235	173.142	10.2544	854.609	17.2544	1.75873
9601	906.807	207.441	9.78151	938.107	16.5975	2.58861
9901	978.276	195.402	15.9756	968.094	17.1974	2.24366
10201	1071.13	251.991	15.2047	1010.82	17.5983	2.36364
10501	1174.21	282.898	17.8753	1115.53	20.021	2.07268
10801	1251.01	318.056	18.1922	1113.27	20.5629	2.46663
11101	1334.83	276.181	13.9849	1256.31	20.9988	2.57561
11401	1415.25	363.192	17.9083	1440.7	21.8217	2.21466
11701	1480.55	345.692	23.9454	1476.32	22.3056	3.59345

Tseitin grids, width: 2, no shuffle, preprocessing  
no clause removal  
CPU time expressed in seconds

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
1	0.0	0.0	0.0	0.000999	0.0	0.0
301	0.003999	0.004999	0.003999	0.003999	0.003999	0.004999
601	0.007998	0.007998	0.008998	0.007998	0.008998	0.008998
901	0.012998	0.013997	0.012998	0.012998	0.013997	0.012998
1201	0.016997	0.016997	0.016997	0.016997	0.016997	0.016997
1501	0.022996	0.023996	0.022996	0.022996	0.022996	0.021996
1801	0.027995	0.028995	0.028995	0.027995	0.028995	0.026995
2101	0.033994	0.034994	0.034994	0.033994	0.033994	0.032994
2401	0.036994	0.039993	0.041993	0.039993	0.040993	0.037994
2701	0.043993	0.045993	0.043993	0.044993	0.044993	0.044993
3001	0.052991	0.051992	0.050992	0.051992	0.050992	0.051992
3301	0.057991	0.055991	0.058991	0.056991	0.058991	0.055991
3601	0.06099	0.06199	0.06199	0.06199	0.06199	0.06299
3901	0.065989	0.067989	0.066989	0.066989	0.065989	0.066989
4201	0.070989	0.069989	0.069989	0.069989	0.070989	0.068989
4501	0.076988	0.076988	0.077988	0.077988	0.076988	0.077988
4801	0.078987	0.079987	0.079987	0.081987	0.079987	0.081987
5101	0.081987	0.085986	0.084987	0.085986	0.082987	0.083987
5401	0.089986	0.089986	0.091986	0.090986	0.089986	0.088986
5701	0.097985	0.097985	0.097985	0.095985	0.095985	0.095985
6001	0.101984	0.100984	0.099984	0.102984	0.101984	0.101984
6301	0.106983	0.109983	0.108983	0.108983	0.106983	0.106983
6601	0.114982	0.114982	0.113982	0.113982	0.113982	0.112982
6901	0.115982	0.118981	0.118981	0.118981	0.120981	0.118981
7201	0.118981	0.121981	0.119981	0.121981	0.122981	0.121981
7501	0.12798	0.12998	0.12898	0.12698	0.13098	0.12798
7801	0.136979	0.132979	0.133979	0.132979	0.133979	0.135979
8101	0.137979	0.139978	0.138978	0.141978	0.139978	0.134979
8401	0.143978	0.143978	0.146977	0.145977	0.141978	0.143978
8701	0.147977	0.152976	0.148977	0.150977	0.149977	0.146977
9001	0.156976	0.156976	0.152976	0.159975	0.157975	0.156976
9301	0.162975	0.163975	0.161975	0.165974	0.160975	0.163975
9601	0.168974	0.169974	0.167974	0.170974	0.166974	0.169974
9901	0.175973	0.178972	0.171973	0.174973	0.175973	0.173973
10201	0.178972	0.177972	0.177972	0.179972	0.175973	0.177972
10501	0.186971	0.185971	0.181972	0.185971	0.188971	0.188971
10801	0.19397	0.19197	0.19397	0.19097	0.19697	0.19197
11101	0.199969	0.200969	0.198969	0.200969	0.197969	0.19697
11401	0.203968	0.203968	0.202969	0.203968	0.203968	0.201969
11701	0.210967	0.209968	0.210967	0.213967	0.211967	0.210967

Tseitin grids, width: 2, no shuffle, preprocessing  
 clause removal  
 CPU time expressed in seconds

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
1	0.000999	0.0	0.0	0.0	0.0	0.000999
301	0.004999	0.003999	0.003999	0.004999	0.003999	0.003999
601	0.007998	0.007998	0.007998	0.007998	0.007998	0.008998
901	0.012998	0.012998	0.012998	0.012998	0.012998	0.012998
1201	0.016997	0.016997	0.016997	0.016997	0.016997	0.015997
1501	0.022996	0.021996	0.022996	0.023996	0.022996	0.022996
1801	0.029995	0.028995	0.028995	0.028995	0.028995	0.028995
2101	0.035994	0.033994	0.032994	0.033994	0.034994	0.034994
2401	0.038994	0.038994	0.039993	0.038994	0.040993	0.039993
2701	0.044993	0.045993	0.044993	0.044993	0.044993	0.044993
3001	0.051992	0.051992	0.050992	0.050992	0.049992	0.050992
3301	0.057991	0.056991	0.056991	0.056991	0.056991	0.056991
3601	0.06299	0.06199	0.06099	0.06399	0.06199	0.06099
3901	0.065989	0.066989	0.068989	0.066989	0.065989	0.066989
4201	0.068989	0.069989	0.069989	0.070989	0.071989	0.071989
4501	0.076988	0.075988	0.074988	0.077988	0.074988	0.076988
4801	0.079987	0.078987	0.079987	0.080987	0.080987	0.080987
5101	0.084987	0.085986	0.083987	0.083987	0.085986	0.082987
5401	0.090986	0.088986	0.086986	0.089986	0.090986	0.087986
5701	0.096985	0.098984	0.096985	0.097985	0.098984	0.095985
6001	0.100984	0.101984	0.101984	0.100984	0.099984	0.098984
6301	0.105983	0.107983	0.108983	0.107983	0.108983	0.106983
6601	0.113982	0.114982	0.111982	0.114982	0.113982	0.114982
6901	0.119981	0.119981	0.118981	0.117982	0.119981	0.120981
7201	0.119981	0.123981	0.119981	0.119981	0.119981	0.118981
7501	0.12798	0.13098	0.12798	0.12698	0.12798	0.12998
7801	0.132979	0.135979	0.134979	0.136979	0.134979	0.132979
8101	0.141978	0.141978	0.136979	0.141978	0.139978	0.140978
8401	0.140978	0.145977	0.142978	0.142978	0.146977	0.142978
8701	0.146977	0.150977	0.149977	0.149977	0.148977	0.147977
9001	0.156976	0.156976	0.156976	0.159975	0.153976	0.158975
9301	0.157975	0.163975	0.162975	0.163975	0.163975	0.161975
9601	0.167974	0.168974	0.167974	0.168974	0.165974	0.168974
9901	0.173973	0.173973	0.172973	0.178972	0.173973	0.176973
10201	0.173973	0.182972	0.177972	0.178972	0.176973	0.178972
10501	0.177972	0.187971	0.185971	0.186971	0.182972	0.184971
10801	0.19197	0.186971	0.19197	0.19097	0.19197	0.19397
11101	0.19597	0.199969	0.200969	0.198969	0.198969	0.197969
11401	0.201969	0.204968	0.205968	0.200969	0.202969	0.202969
11701	0.208968	0.211967	0.210967	0.213967	0.211967	0.210967

**Tseitin grids, width: 2, shuffle, preprocessing, no clause removal**  
**CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
1	0.0	0.0	0.0	0.0	0.0	0.0
301	0.003999	0.003999	0.004999	0.003999	0.004999	0.003999
601	0.007998	0.008998	0.008998	0.008998	0.009998	0.007998
901	0.012998	0.013997	0.012998	0.012998	0.012998	0.013997
1201	0.021996	0.020996	0.018997	0.020996	0.018997	0.019996
1501	0.023996	0.022996	0.023996	0.024996	0.023996	0.023996
1801	0.029995	0.029995	0.028995	0.028995	0.028995	0.030995
2101	0.036994	0.035994	0.036994	0.036994	0.036994	0.036994
2401	0.040993	0.040993	0.040993	0.040993	0.040993	0.042993
2701	0.044993	0.045993	0.045993	0.044993	0.046992	0.044993
3001	0.050992	0.051992	0.050992	0.051992	0.050992	0.051992
3301	0.056991	0.056991	0.053991	0.056991	0.054991	0.055991
3601	0.06199	0.06399	0.06499	0.06499	0.06299	0.06299
3901	0.066989	0.065989	0.067989	0.066989	0.066989	0.06499
4201	0.074988	0.075988	0.073988	0.075988	0.073988	0.073988
4501	0.078987	0.081987	0.080987	0.078987	0.077988	0.078987
4801	0.082987	0.082987	0.084987	0.084987	0.084987	0.082987
5101	0.089986	0.089986	0.090986	0.090986	0.090986	0.091986
5401	0.092985	0.093985	0.094985	0.094985	0.094985	0.095985
5701	0.100984	0.098984	0.100984	0.099984	0.099984	0.098984
6001	0.107983	0.107983	0.102984	0.102984	0.105983	0.105983
6301	0.111982	0.112982	0.111982	0.112982	0.112982	0.109983
6601	0.116982	0.116982	0.118981	0.117982	0.118981	0.118981
6901	0.123981	0.124981	0.123981	0.123981	0.123981	0.124981
7201	0.12898	0.12798	0.12998	0.12998	0.12998	0.12998
7501	0.132979	0.132979	0.12898	0.13098	0.13098	0.131979
7801	0.142978	0.142978	0.142978	0.141978	0.141978	0.141978
8101	0.146977	0.146977	0.147977	0.147977	0.149977	0.146977
8401	0.152976	0.154976	0.151976	0.155976	0.153976	0.151976
8701	0.161975	0.158975	0.159975	0.158975	0.158975	0.157975
9001	0.166974	0.164974	0.160975	0.165974	0.160975	0.163975
9301	0.169974	0.171973	0.171973	0.171973	0.168974	0.168974
9601	0.177972	0.176973	0.176973	0.176973	0.177972	0.176973
9901	0.181972	0.186971	0.184971	0.181972	0.183972	0.185971
10201	0.189971	0.19297	0.186971	0.19197	0.19497	0.187971
10501	0.198969	0.200969	0.19497	0.19297	0.201969	0.19597
10801	0.209968	0.206968	0.206968	0.203968	0.204968	0.207968
11101	0.209968	0.209968	0.208968	0.214967	0.210967	0.211967
11401	0.221966	0.220966	0.222966	0.221966	0.217966	0.219966
11701	0.227965	0.227965	0.222966	0.225965	0.225965	0.227965

**Tseitin grids, width: 2, shuffle, preprocessing, clause removal**  
**CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
1	0.0	0.0	0.0	0.0	0.000999	0.000999
301	0.003999	0.004999	0.004999	0.003999	0.002999	0.003999
601	0.007998	0.008998	0.008998	0.007998	0.007998	0.008998
901	0.012998	0.012998	0.013997	0.013997	0.012998	0.013997
1201	0.019996	0.019996	0.019996	0.019996	0.020996	0.020996
1501	0.023996	0.023996	0.023996	0.023996	0.023996	0.024996
1801	0.029995	0.029995	0.027995	0.027995	0.029995	0.029995
2101	0.036994	0.036994	0.037994	0.036994	0.036994	0.034994
2401	0.040993	0.041993	0.040993	0.041993	0.040993	0.041993
2701	0.045993	0.044993	0.045993	0.047992	0.045993	0.045993
3001	0.051992	0.050992	0.051992	0.050992	0.050992	0.052991
3301	0.056991	0.055991	0.054991	0.055991	0.056991	0.056991
3601	0.06399	0.06299	0.065989	0.06399	0.06399	0.06399
3901	0.068989	0.065989	0.068989	0.069989	0.068989	0.066989
4201	0.074988	0.074988	0.073988	0.073988	0.072988	0.070989
4501	0.080987	0.079987	0.080987	0.080987	0.081987	0.079987
4801	0.083987	0.084987	0.086986	0.083987	0.083987	0.081987
5101	0.087986	0.090986	0.088986	0.088986	0.090986	0.090986
5401	0.093985	0.095985	0.095985	0.093985	0.095985	0.096985
5701	0.098984	0.097985	0.099984	0.099984	0.099984	0.101984
6001	0.108983	0.107983	0.106983	0.106983	0.108983	0.107983
6301	0.113982	0.112982	0.112982	0.114982	0.114982	0.114982
6601	0.119981	0.117982	0.117982	0.119981	0.120981	0.118981
6901	0.124981	0.124981	0.12698	0.121981	0.120981	0.12598
7201	0.12998	0.12898	0.13098	0.12998	0.12998	0.131979
7501	0.132979	0.13098	0.131979	0.133979	0.131979	0.133979
7801	0.143978	0.139978	0.140978	0.141978	0.142978	0.140978
8101	0.146977	0.149977	0.149977	0.150977	0.149977	0.149977
8401	0.155976	0.156976	0.156976	0.154976	0.154976	0.154976
8701	0.157975	0.158975	0.160975	0.161975	0.161975	0.159975
9001	0.163975	0.165974	0.166974	0.164974	0.164974	0.165974
9301	0.171973	0.172973	0.172973	0.173973	0.171973	0.175973
9601	0.179972	0.175973	0.180972	0.179972	0.175973	0.177972
9901	0.183972	0.183972	0.183972	0.186971	0.184971	0.184971
10201	0.19297	0.188971	0.19397	0.19197	0.187971	0.188971
10501	0.197969	0.197969	0.200969	0.200969	0.200969	0.198969
10801	0.205968	0.206968	0.206968	0.207968	0.205968	0.209968
11101	0.211967	0.209968	0.216967	0.211967	0.211967	0.210967
11401	0.223965	0.223965	0.218966	0.220966	0.220966	0.221966
11701	0.226965	0.230964	0.226965	0.226965	0.226965	0.225965

**Tseitin grids, width: 3, no shuffle, no preprocessing  
no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
2	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.000999	0.0	0.000999
32	0.023996	0.000999	0.000999	0.003999	0.000999	0.000999
47	0.362944	0.002999	0.001999	0.803877	0.001999	0.001999
62	1.12883	0.005999	0.002999	5.79012	0.002999	0.001999
77	2.82557	0.008998	0.004999	33.6709	0.003999	0.001999
92	5.75312	0.014997	0.007998	80.5238	0.004999	0.002999
107	11.2523	0.017997	0.008998	184.675	0.007998	0.005999
122	17.8763	0.026995	0.011998	383.85	0.009998	0.005999
137	31.7622	0.035994	0.014997	832.04	0.010998	0.005999
152	41.1637	0.048992	0.018997	1001.2335	0.013997	0.008998
167	52.539	0.066989	0.021996	1533.995	0.015997	0.009998
182	58.87	0.079987	0.024996	1800	0.013997	0.010998
197	88.0956	0.077988	0.029995	1800	0.020996	0.011998
212	93.5358	0.109983	0.034994	1800	0.031995	0.014997
227	121.325	0.121981	0.036994	1800	0.028995	0.014997
242	136.894	0.146977	0.041993	-	0.025996	0.016997
257	154.379	0.165974	0.047992	-	0.032994	0.019996
272	214.136	0.199969	0.054991	-	0.029995	0.017997
287	243.061	0.229965	0.06499	-	0.039993	0.018997
302	261.617	0.228965	0.066989	-	0.043993	0.022996
317	326.175	0.273958	0.078987	-	0.050992	0.026995
332	360.385	0.312952	0.091986	-	0.046992	0.027995
347	457.355	0.330949	0.075988	-	0.049992	0.034994
362	411.34	0.355945	0.102984	-	0.06499	0.032994
377	530.722	0.418936	0.115982	-	0.066989	0.034994
392	614.032	0.468928	0.122981	-	0.06499	0.045993
407	657.27	0.467928	0.124981	-	0.068989	0.035994
422	594.84	0.548916	0.119981	-	0.086986	0.043993
437	644.544	0.547916	0.148977	-	0.089986	0.038994
452	872.272	0.595909	0.168974	-	0.100984	0.042993
467	1033.08	0.632903	0.146977	-	0.111982	0.045993
482	875.028	0.677896	0.167974	-	0.147977	0.06499
497	875.131	0.747886	0.180972	-	0.154976	0.055991
512	1076.28	0.708892	0.19697	-	0.146977	0.048992
527	1143.14	0.78788	0.214967	-	0.142978	0.06099
542	1263.35	0.798878	0.199969	-	0.157975	0.06099
557	1307.04	0.932858	0.241963	-	0.171973	0.06499
572	1377.86	1.03384	0.227965	-	0.160975	0.071989
587	1506.54	1.01885	0.236963	-	0.174973	0.072988



**Tseitin grids, width: 3, no shuffle, no preprocessing  
clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
2	0.0	0.000999	0.0	0.0	0.000999	0.0
32	0.093985	0.010998	0.001999	0.010998	0.001999	0.000999
62	0.26096	0.029995	0.066989	1.03784	0.006998	0.004999
92	0.467928	0.051992	0.071989	37.6063	0.010998	0.010998
122	0.600908	0.073988	0.110983	311.117	0.017997	0.017997
152	0.844871	0.105983	0.113982	1800	0.024996	0.020996
182	1.2788	0.131979	0.139978	1800	0.027995	0.020996
212	1.70874	0.175973	0.101984	1800	0.048992	0.046992
242	2.16167	0.239963	0.147977	1800	0.043993	0.043993
272	2.76658	0.279957	0.297954	-	0.06199	0.045993
302	3.62045	0.345947	0.316951	-	0.131979	0.080987
332	4.49632	0.45693	0.611906	-	0.12798	0.090986
362	5.41718	0.461929	0.581911	-	0.233964	0.052991
392	6.66099	0.603908	0.774882	-	0.294955	0.119981
422	7.40687	0.643902	0.934857	-	0.275958	0.100984
452	9.11961	0.675897	1.16482	-	0.273958	0.203968
482	9.72152	0.881865	1.05684	-	0.622905	0.203968
512	11.2253	0.797878	1.48877	-	0.613906	0.110983
542	13.5099	0.831873	1.87571	-	0.664898	0.208968
572	14.9487	1.04584	2.47962	-	0.681896	0.218966
602	16.4345	1.04984	1.81972	-	0.690894	0.226965
632	18.9391	1.23281	3.36149	-	0.773882	0.430934
662	92.255	1.3038	4.92525	-	1.61975	0.236963
692	81.3716	1.49677	2.89956	-	1.70574	0.473927
722	166.693	1.72574	3.50347	-	0.78688	0.238963
752	89.7674	1.67974	6.23005	-	1.71474	0.244962
782	69.1365	1.88871	4.31734	-	1.86972	0.518921
812	342.166	1.67375	3.33449	-	1.92471	0.481926
842	965.733	2.44563	6.43902	-	2.07069	0.557915
872	730.4605	1.90571	7.37788	-	1.9707	0.491925
902	45.877	2.98754	4.95225	-	4.45032	1.10683
932	207.434	2.83657	8.26674	-	4.52731	0.596909
962	323.047	2.84657	10.8793	-	2.6286	0.537918
992	363.9565	3.04954	8.09277	-	5.03323	0.550916
1022	244.828	2.82857	11.9842	-	5.18021	0.532918
1052	1165.07	3.54446	14.1628	-	2.41263	0.538918
1082	886.253	4.5903	9.40657	-	8.47871	0.584911
1112	511.961	4.04439	12.0262	-	8.97064	1.18282
1142	373.731	5.47917	10.6514	-	9.93149	1.11183
1172	1800	5.17721	12.2701	-	5.73813	0.429934

Tseitin grids, width: 3, shuffle, no preprocessing  
no clause removal  
CPU time expressed in seconds

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
2	0.0	0.0	0.0	0.0	0.0	0.0
17	0.000999	0.0	0.0	0.000999	0.000999	0.000999
32	0.034994	0.000999	0.000999	0.011998	0.000999	0.001999
47	0.246962	0.002999	0.000999	0.243962	0.001999	0.001999
62	1.11383	0.005999	0.002999	4.92725	0.002999	0.001999
77	2.05369	0.008998	0.003999	31.8362	0.003999	0.003999
92	8.26774	0.012998	0.005999	64.4692	0.003999	0.001999
107	11.9242	0.021996	0.009998	239.075	0.006998	0.004999
122	23.0855	0.025996	0.011998	346.689	0.010998	0.007998
137	31.5032	0.036994	0.013997	831.173	0.010998	0.007998
152	44.7272	0.047992	0.015997	1294.55	0.013997	0.007998
167	48.4936	0.06199	0.025996	1800	0.014997	0.009998
182	79.9968	0.075988	0.027995	1800	0.016997	0.010998
197	62.4675	0.093985	0.029995	1800	0.018997	0.013997
212	101.486	0.108983	0.036994	1800	0.024996	0.014997
227	102.438	0.137979	0.040993	-	0.026995	0.014997
242	141.575	0.141978	0.046992	-	0.024996	0.014997
257	169.931	0.165974	0.048992	-	0.031995	0.021996
272	191.235	0.205968	0.06199	-	0.039993	0.019996
287	252.067	0.199969	0.06199	-	0.040993	0.022996
302	252.128	0.237963	0.077988	-	0.044993	0.021996
317	321.141	0.282956	0.078987	-	0.044993	0.026995
332	434.672	0.280957	0.084987	-	0.049992	0.024996
347	394.246	0.32795	0.094985	-	0.054991	0.029995
362	415.268	0.384941	0.096985	-	0.060999	0.030995
377	462.596	0.384941	0.111982	-	0.058991	0.024996
392	607.63	0.401938	0.118981	-	0.086986	0.037994
407	656.311	0.508922	0.139978	-	0.067989	0.033994
422	803.741	0.474927	0.133979	-	0.086986	0.038994
437	840.019	0.563914	0.132979	-	0.114982	0.038994
452	818.642	0.592909	0.166974	-	0.089986	0.046992
467	965.466	0.635903	0.19097	-	0.110983	0.039993
482	955.841	0.685895	0.161975	-	0.139978	0.042993
497	1032.97	0.763883	0.174973	-	0.159975	0.045993
512	1055.64	0.793879	0.19397	-	0.161975	0.055991
527	1014.43	0.755885	0.198969	-	0.169974	0.050992
542	1274.51	0.818875	0.206968	-	0.152976	0.057991
557	1390.44	0.940856	0.221966	-	0.161975	0.06499
572	1390.4	0.897863	0.230964	-	0.172973	0.05999
587	1543.435	1.08283	0.222966	-	0.172973	0.06199

Tseitin grids, width: 3, shuffle, no preprocessing  
clause removal  
CPU time expressed in seconds

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
2	0.000999	0.0	0.0	0.0	0.0	0.0
32	0.101984	0.012998	0.006998	0.009998	0.001999	0.001999
62	0.245962	0.027995	0.040993	1.24681	0.005999	0.003999
92	0.503923	0.044993	0.072988	20.1349	0.011998	0.011998
122	0.571913	0.071989	0.103984	672.455	0.021996	0.012998
152	0.934857	0.099984	0.132979	1800	0.028995	0.018997
182	1.3018	0.146977	0.176973	1800	0.032994	0.022996
212	1.62875	0.158975	0.159975	1800	0.049992	0.025996
242	2.11368	0.217966	0.285956	-	0.049992	0.033994
272	2.87356	0.290955	0.32795	-	0.093985	0.055991
302	3.65044	0.342947	0.412937	-	0.110983	0.057991
332	5.9331	0.383941	0.462929	-	0.19197	0.076988
362	7.43787	0.486925	0.737887	-	0.241963	0.098984
392	6.43802	0.558915	1.01684	-	0.272958	0.157975
422	7.2629	0.661899	1.17882	-	0.318951	0.094985
452	8.68368	0.715891	1.41478	-	0.580911	0.176973
482	10.0785	0.759884	1.18382	-	0.289955	0.205968
512	16.3645	0.749886	0.884865	-	0.608907	0.205968
542	12.997	0.893864	1.59076	-	0.642902	0.113982
572	60.5488	1.03384	2.03269	-	0.698893	0.213967
602	77.6602	1.01684	3.2985	-	0.713891	0.226965
632	38.7511	1.00585	3.48547	-	1.58276	0.220966
662	36.9674	1.43578	2.95755	-	0.818875	0.428934
692	64.9081	1.43678	5.09023	-	1.69574	0.52192
722	109.893	1.55276	5.37718	-	1.73974	0.25896
752	144.119	1.58576	5.11622	-	1.76373	0.433934
782	62.0456	1.71874	6.47602	-	2.10868	0.52392
812	101.575	1.9667	5.31319	-	1.92971	0.385941
842	227.208	2.13867	5.78812	-	1.9687	0.529919
872	246.866	2.6096	7.70383	-	2.12868	0.511922
902	723.8775	2.78758	6.69898	-	4.5823	0.545917
932	386.273	2.67759	5.29219	-	2.50362	0.303953
962	554.756	2.5986	11.4263	-	4.91225	0.557915
992	454.979	3.54546	11.9612	-	2.43863	0.610907
1022	1147.48	3.12153	8.25574	-	4.96025	0.582911
1052	424.78	3.79542	13.9939	-	5.36518	0.558915
1082	568.121	3.54446	10.1805	-	5.34719	0.579911
1112	1800	5.05923	10.5034	-	5.42018	0.568913
1142	1800	5.08223	12.3141	-	5.48017	0.558915
1172	607.346	5.85011	11.4273	-	13.068	0.942856

**Tseitin grids, width: 3, no shuffle, preprocessing  
no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
2	0.0	0.0	0.0	0.0	0.0	0.0
17	0.000999	0.000999	0.0	0.000999	0.0	0.000999
32	0.000999	0.000999	0.000999	0.000999	0.000999	0.000999
47	0.000999	0.000999	0.001999	0.000999	0.000999	0.000999
62	0.019996	0.001999	0.001999	0.016997	0.003999	0.002999
77	0.275958	0.005999	0.004999	0.160975	0.003999	0.001999
92	16.8434	0.017997	0.009998	291.546	0.006998	0.006998
107	0.231964	0.007998	0.005999	0.691894	0.004999	0.004999
122	0.603908	0.012998	0.007998	2.52761	0.007998	0.007998
137	1.52677	0.022996	0.013997	22.1276	0.009998	0.007998
152	19.451	0.069989	0.022996	323.76	0.014997	0.016997
167	0.057991	0.005999	0.006998	0.092985	0.005999	0.005999
182	50.7063	0.068989	0.023996	960.8435	0.016997	0.015997
197	120.786	0.068989	0.031995	1800	0.018997	0.013997
212	181.004	0.142978	0.077988	1800	0.035994	0.021996
227	167.773	0.152976	0.056991	1800	0.038994	0.022996
242	501.628	0.227965	0.058991	1800	0.041993	0.033994
257	16.8624	0.06299	0.035994	-	0.022996	0.018997
272	450.151	0.231964	0.101984	-	0.046992	0.030995
287	190.207	0.182972	0.106983	-	0.041993	0.026995
302	81.4846	0.211967	0.077988	-	0.041993	0.039993
317	120.022	0.218966	0.091986	-	0.043993	0.031995
332	181.416	0.236963	0.074988	-	0.042993	0.034994
347	306.219	0.304953	0.115982	-	0.051992	0.056991
362	1142.96	0.596909	0.235964	-	0.102984	0.071989
377	398.421	0.508922	0.177972	-	0.082987	0.058991
392	533.456	0.426935	0.12598	-	0.091986	0.06099
407	1269.27	0.6559	0.234964	-	0.117982	0.074988
422	477.096	0.492925	0.19197	-	0.083987	0.058991
437	1800	0.598908	0.19297	-	0.144977	0.068989
452	1800	1.06984	0.26096	-	0.166974	0.078987
467	509.672	0.607907	0.188971	-	0.146977	0.052991
482	1800	1.01885	0.25996	-	0.170974	0.076988
497	919.872	0.894863	0.290955	-	0.158975	0.110983
512	971.769	0.727889	0.295955	-	0.148977	0.081987
527	1495.065	1.10083	0.374943	-	0.171973	0.098984
542	1800	1.15682	0.340948	-	0.242963	0.132979
557	1800	1.54476	0.368943	-	0.223965	0.134979
572	1800	1.44378	0.310952	-	0.207968	0.111982
587	1800	1.03884	0.275958	-	0.159975	0.075988

Tseitin grids, width: 3, no shuffle, preprocessing  
 clause removal  
 CPU time expressed in seconds

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
2	0.0	0.0	0.0	0.0	0.0	0.0
32	0.000999	0.000999	0.000999	0.000999	0.000999	0.000999
62	0.224965	0.053991	0.018997	0.024996	0.004999	0.004999
92	2.0027	0.071989	0.135979	43.6074	0.022996	0.023996
122	0.400939	0.072988	0.085986	1.80273	0.014997	0.017997
152	1.2828	0.140978	0.161975	1800	0.027995	0.043993
182	1.73673	0.169974	0.134979	1800	0.042993	0.031995
212	4.77527	0.254961	1.86172	1800	0.095985	0.057991
242	77.5532	0.303953	0.659899	-	0.085986	0.109983
272	73.4838	0.400939	21.4947	-	0.102984	0.100984
302	3.35749	0.398939	3.03354	-	0.086986	0.100984
332	18.3242	0.670898	0.778881	-	0.105983	0.171973
362	539.05	1.9797	19.474	-	0.513921	0.318951
392	10.4624	0.861868	1.26381	-	0.236963	0.173973
422	22.2076	0.844871	1.69874	-	0.494924	0.167974
452	1239.1	5.64914	5.08223	-	0.605907	0.198969
482	314.234	1.68474	8.22375	-	1.37279	0.330949
512	110.643	1.84972	8.45371	-	0.569913	0.189971
542	1249.08	2.25966	3.46747	-	1.37179	0.448931
572	633.6285	3.73943	4.6183	-	1.35979	0.137979
602	867.044	1.80773	6.40803	-	1.3148	0.491925
632	442.933	1.61076	6.05808	-	1.48877	0.431934
662	1087.48	2.6396	5.80312	-	2.35164	0.488925
692	1800	4.39833	14.2608	-	1.62675	0.502923
722	1800	5.98409	5.19921	-	1.53077	0.154976
752	552.795	2.82657	10.3484	-	3.65544	1.04484
782	1497.28	2.78158	17.7883	-	4.07438	0.487925
812	1800	6.89995	18.7402	-	12.5531	1.61076
842	1800	4.44632	15.0867	-	11.8062	0.509922
872	1173.08	2.96655	21.8787	-	9.66053	0.533918
902	1800	6.04108	17.8313	-	10.0565	1.13783
932	1800	7.08192	17.2064	-	10.5484	2.79358
962	1800	14.9097	20.2889	-	23.5084	3.17652
992	1800	15.6986	23.1895	-	24.7382	1.21881
1022	1800	5.43917	24.6712	-	17.5873	1.81072
1052	1800	12.0652	30.3514	-	42.1556	1.26181
1082	1800	7.8878	30.8873	-	17.7343	1.25081
1112	1800	10.7184	17.6743	-	26.204	2.56861
1142	1800	25.7561	25.9271	-	63.9233	9.10162
1172	1800	24.3963	35.3186	-	27.5578	7.2529

**Tseitin grids, width: 3, shuffle, preprocessing, no clause removal**  
**CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
2	0.0	0.0	0.0	0.000999	0.0	0.000999
17	0.000999	0.0	0.000999	0.000999	0.000999	0.0
32	0.001999	0.000999	0.000999	0.000999	0.000999	0.000999
47	0.000999	0.001999	0.000999	0.000999	0.000999	0.000999
62	0.226965	0.006998	0.004999	0.233964	0.003999	0.002999
77	0.001999	0.001999	0.001999	0.001999	0.001999	0.001999
92	0.132979	0.005999	0.003999	0.176973	0.003999	0.003999
107	0.123981	0.006998	0.003999	0.178972	0.003999	0.003999
122	14.5518	0.031995	0.019996	209.923	0.013997	0.008998
137	0.009998	0.003999	0.003999	0.005999	0.003999	0.002999
152	0.292955	0.008998	0.004999	0.580911	0.005999	0.004999
167	0.489925	0.008998	0.005999	1.2968	0.006998	0.008998
182	11.7692	0.045993	0.016997	194.125	0.015997	0.011998
197	54.3827	0.071989	0.032994	1095.251	0.020996	0.014997
212	141.654	0.151976	0.057991	1800	0.031995	0.019996
227	44.6922	0.06399	0.027995	1800	0.015997	0.014997
242	0.565913	0.014997	0.009998	1.15282	0.007998	0.006998
257	196.028	0.111982	0.042993	1800	0.027995	0.022996
272	29.2026	0.096985	0.045993	810.378	0.026995	0.021996
287	374.566	0.287956	0.105983	1800	0.049992	0.056991
302	517.411	0.302953	0.13098	1800	0.048992	0.045993
317	474.729	0.299954	0.104984	1800	0.052991	0.046992
332	185.748	0.339948	0.106983	-	0.055991	0.039993
347	1062.06	0.38994	0.101984	-	0.086986	0.045993
362	385.483	0.487925	0.209968	-	0.068989	0.052991
377	578.863	0.508922	0.142978	-	0.087986	0.072988
392	1257.07	0.700893	0.207968	-	0.146977	0.06499
407	1800	0.85087	0.307953	-	0.162975	0.111982
422	1131.79	0.623905	0.232964	-	0.120981	0.069989
437	775.978	0.672897	0.189971	-	0.13098	0.091986
452	546.415	0.544917	0.188971	-	0.085986	0.056991
467	1590.91	0.91486	0.243962	-	0.159975	0.070989
482	1800	0.947855	0.321951	-	0.152976	0.123981
497	1800	1.11083	0.254961	-	0.155976	0.090986
512	713.897	0.830873	0.250961	-	0.093985	0.070989
527	972.944	0.892864	0.245962	-	0.161975	0.098984
542	1454.57	0.725889	0.287956	-	0.150977	0.069989
557	1800	1.23881	0.384941	-	0.177972	0.134979
572	1800	1.67774	0.470928	-	0.32795	0.117982
587	1800	1.48977	0.301954	-	0.240963	0.153976

**Tseitin grids, width: 3, shuffle, preprocessing, clause removal**  
**CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
2	0.0	0.0	0.0	0.0	0.0	0.0
32	0.000999	0.000999	0.000999	0.000999	0.000999	0.0
62	0.32795	0.06499	0.112982	0.222966	0.009998	0.010998
92	0.268959	0.052991	0.055991	0.100984	0.008998	0.006998
122	1.02884	0.112982	0.158975	1800	0.022996	0.021996
152	0.401938	0.058991	0.046992	0.344947	0.011998	0.008998
182	1.18482	0.12598	0.134979	1800	0.030995	0.020996
212	10.0345	0.26096	0.398939	1800	0.075988	0.071989
242	0.313952	0.082987	0.067989	1.54476	0.017997	0.020996
272	1.70674	0.225965	0.988849	1800	0.055991	0.038994
302	21.6227	0.527919	1.56276	1800	0.212967	0.098984
332	6.53301	0.579911	1.42878	1800	0.224965	0.100984
362	16.9594	0.631903	7.07392	-	0.507922	0.189971
392	264.16	0.838872	0.85287	-	0.539917	0.211967
422	100.937	1.85772	1.11583	-	0.556915	0.45793
452	20.2539	1.04184	2.14467	-	0.538918	0.089986
482	1800	2.82157	5.38418	-	1.36179	0.213967
512	180.69	1.68274	2.6566	-	0.963853	0.201969
542	189.942	3.34049	4.30035	-	0.58591	0.635903
572	1800	2.54261	3.45248	-	3.43248	0.941856
602	754.734	1.91671	17.4323	-	2.5926	0.639902
632	1066.3255	4.53431	5.59315	-	3.47547	0.727889
662	1213.88	4.42233	14.9357	-	2.71159	0.993848
692	200.748	2.23566	9.16561	-	3.66744	0.247962
722	1800	3.38648	12.6021	-	6.47102	0.475927
752	389.796	2.77358	12.0842	-	4.05838	0.472928
782	1026.02	4.79727	10.4664	-	8.84965	1.13983
812	1800	8.43672	18.8811	-	7.8648	1.61975
842	1800	6.84596	8.66768	-	10.0575	0.527919
872	1800	5.29319	17.5903	-	10.3784	2.70959
902	1800	14.7128	24.0713	-	10.1475	1.77673
932	1800	6.559	21.4357	-	21.4637	0.78488
962	1800	5.85111	21.6287	-	11.0223	1.08083
992	1800	14.0009	24.2063	-	30.9203	0.59091
1022	1800	4.79527	22.0087	-	24.5193	2.41463
1052	1800	7.36188	23.5664	-	33.4439	3.65644
1082	1800	34.0308	31.9451	-	34.7227	2.74058
1112	482.059	7.36288	14.6578	-	9.8455	1.13783
1142	1800	26.4	31.3022	-	66.4129	1.25881
1172	1800	24.2633	29.8525	-	30.5484	1.25081

Tseitin grids, width: 4, no shuffle, no preprocessing  
no clause removal  
CPU time expressed in seconds

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
3	0.0	0.000999	0.000999	0.0	0.0	0.0
10	0.0	0.000999	0.000999	0.000999	0.000999	0.0
17	0.000999	0.0	0.0	0.000999	0.0	0.0
24	0.021996	0.000999	0.0	0.001999	0.0	0.000999
31	0.403938	0.001999	0.000999	0.017997	0.000999	0.000999
38	3.33349	0.003999	0.002999	0.58791	0.000999	0.000999
45	12.5231	0.005999	0.003999	12.1512	0.003999	0.002999
52	24.5953	0.007998	0.003999	130.582	0.005999	0.003999
59	82.6404	0.014997	0.026995	578.885	0.008998	0.007998
66	121.993	0.020996	0.006998	1130.0195	0.009998	0.006998
73	223.714	0.024996	0.010998	1800	0.011998	0.009998
80	581.434	0.041993	0.012998	1800	0.012998	0.009998
87	956.879	0.045993	0.024996	1800	0.014997	0.016997
94	1051.55	0.075988	0.027995	-	0.030995	0.023996
101	1800	0.095985	0.041993	-	0.034994	0.018997
108	1800	0.108983	0.072988	-	0.042993	0.020996
115	1800	0.174973	0.06099	-	0.050992	0.021996
122	-	0.174973	0.103984	-	0.046992	0.023996
129	-	0.150977	0.057991	-	0.046992	0.038994
136	-	0.299954	0.12998	-	0.095985	0.023996
143	-	0.304953	0.071989	-	0.068989	0.055991
150	-	0.349946	0.121981	-	0.081987	0.038994
157	-	0.414936	0.209968	-	0.109983	0.068989
164	-	0.487925	0.117982	-	0.139978	0.141978
171	-	0.438933	0.141978	-	0.085986	0.088986
178	-	0.546916	0.168974	-	0.083987	0.083987
185	-	0.730888	0.202969	-	0.160975	0.066989
192	-	0.72089	0.189971	-	0.145977	0.06299
199	-	0.880866	0.231964	-	0.228965	0.111982
206	-	0.862868	0.155976	-	0.249962	0.255961
213	-	1.03084	1.91471	-	0.266959	0.12798
220	-	1.3158	0.222966	-	0.331949	0.145977
227	-	1.53077	0.306953	-	0.249962	0.32395
234	-	1.64675	0.510922	-	0.225965	0.12998
241	-	1.46678	0.637903	-	0.354946	0.151976
248	-	2.20366	0.251961	-	0.363944	0.238963
255	-	2.01569	0.231964	-	0.264959	0.263959
262	-	2.43763	0.709892	-	0.332949	0.231964
269	-	2.23666	0.51992	-	0.340948	0.19697
276	-	2.43063	0.314952	-	0.377942	0.142978



**Tseitin grids, width: 4, no shuffle, no preprocessing  
clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
3	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.000999	0.0	0.0	0.0	0.0
17	0.004999	0.000999	0.0	0.000999	0.000999	0.0
24	0.198969	0.011998	0.002999	0.001999	0.000999	0.000999
31	0.646901	0.069989	0.051992	0.019996	0.001999	0.001999
38	1.02784	0.101984	0.06199	0.119981	0.004999	0.003999
45	1.10083	0.155976	0.136979	0.561914	0.012998	0.007998
52	1.77073	0.112982	0.117982	1.45578	0.026995	0.032994
59	1.66875	0.146977	0.319951	15.8036	0.053991	0.049992
66	2.56261	0.155976	0.38894	57.5822	0.058991	0.06099
73	3.32349	0.185971	0.220966	445.3	0.057991	0.158975
80	3.80041	0.224965	0.351946	1109.2	0.077988	0.245962
87	13.7149	0.240963	0.469928	1800	0.173973	0.231964
94	19.901	0.308953	0.433934	1800	0.176973	0.378942
101	6.25805	0.309952	0.418936	1800	0.220966	0.319951
108	5.2912	0.336948	0.443932	-	0.506922	1.04184
115	126.68	0.412937	0.320951	-	0.549916	0.32695
122	224.492	0.431934	1.56076	-	0.727889	0.466929
129	292.0	0.496924	0.746886	-	0.540917	0.122981
136	8.11177	0.675897	737.65	-	0.948855	0.450931
143	697.441	3.2835	1.10683	-	1.19882	1.72474
150	892.941	0.646901	5.47517	-	0.992849	0.485926
157	1239.66	4.18836	9.31058	-	1.22981	1.92971
164	1800	10.2034	1.45478	-	1.01385	1.12183
171	1800	6.13407	5.64814	-	3.05253	2.67759
178	1800	11.6072	1.69274	-	3.74743	0.432934
185	1800	15.2227	5.38118	-	3.10453	2.26465
192	1800	19.493	21.0338	-	2.50962	1.60976
199	-	12.907	21.6917	-	5.56215	0.754885
206	-	23.7514	5.04023	-	3.83042	0.559914
213	-	16.6265	4.95325	-	9.66353	6.84796
220	-	24.9792	24.2943	-	6.51301	7.12092
227	-	33.3369	4.6053	-	5.70513	1.10483
234	-	23.1525	4.49632	-	10.6864	3.23251
241	-	37.3843	10.6004	-	10.5184	5.81811
248	-	51.2652	43.5804	-	15.5826	8.96764
255	-	32.3531	5.45117	-	18.5162	6.20506
262	-	38.2992	6.27005	-	12.7061	3.9644
269	-	38.8721	7.49686	-	15.5156	1.88471
276	-	41.3137	11.5172	-	15.2547	7.2169

Tsetin grids, width: 4, shuffle, no preprocessing  
no clause removal  
CPU time expressed in seconds

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
3	0.0	0.0	0.0	0.0	0.0	0.000999
10	0.0	0.000999	0.000999	0.000999	0.000999	0.0
17	0.000999	0.000999	0.0	0.000999	0.0	0.0
24	0.022996	0.000999	0.000999	0.001999	0.000999	0.000999
31	0.537918	0.001999	0.000999	0.019996	0.000999	0.000999
38	3.3075	0.002999	0.001999	0.534918	0.001999	0.001999
45	8.41372	0.004999	0.018997	16.1455	0.003999	0.002999
52	23.8854	0.008998	0.003999	51.9051	0.004999	0.005999
59	63.0394	0.011998	0.006998	577.689	0.007998	0.005999
66	110.637	0.019996	0.009998	1340.61	0.007998	0.005999
73	391.987	0.030995	0.011998	1030.99	0.011998	0.007998
80	540.899	0.048992	0.021996	1800	0.014997	0.015997
87	894.824	0.06199	0.020996	1800	0.020996	0.012998
94	1691.355	0.078987	0.046992	1800	0.029995	0.013997
101	1800	0.12798	0.029995	-	0.034994	0.021996
108	1800	0.101984	0.037994	-	0.045993	0.051992
115	1800	0.222966	0.040993	-	0.040993	0.090986
122	-	0.139978	0.093985	-	0.053991	0.037994
129	-	0.25996	0.209968	-	0.045993	0.023996
136	-	0.346947	0.054991	-	0.047992	0.033994
143	-	0.334949	0.318951	-	0.074988	0.049992
150	-	0.337948	0.115982	-	0.06299	0.169974
157	-	0.533918	0.081987	-	0.090986	0.038994
164	-	0.444932	0.120981	-	0.097985	0.070989
171	-	0.472928	0.089986	-	0.110983	0.036994
178	-	0.512922	0.115982	-	0.107983	0.06299
185	-	0.566913	0.166974	-	0.166974	0.084987
192	-	0.716891	1.59576	-	0.181972	0.065989
199	-	0.971852	0.337948	-	0.121981	0.147977
206	-	0.91686	0.19697	-	0.183972	0.172973
213	-	0.931858	0.280957	-	0.183972	0.092985
220	-	1.3388	0.246962	-	0.250961	0.100984
227	-	1.60776	0.25996	-	0.270958	0.141978
234	-	1.47578	0.255961	-	0.289955	0.096985
241	-	1.85672	0.275958	-	0.244962	0.097985
248	-	1.87072	0.32595	-	0.311952	0.425935
255	-	1.58476	0.252961	-	0.348946	0.12698
262	-	2.06569	0.297954	-	0.513921	0.123981
269	-	2.59761	0.26096	-	0.422935	0.238963
276	-	2.48462	0.59191	-	0.59191	0.403938

Tseitin grids, width: 4, shuffle, no preprocessing  
 clause removal  
 CPU time expressed in seconds

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
3	0.0	0.0	0.0	0.0	0.0	0.0
10	0.000999	0.0	0.0	0.0	0.000999	0.0
17	0.003999	0.000999	0.000999	0.0	0.000999	0.0
24	0.276957	0.011998	0.002999	0.001999	0.000999	0.0
31	0.601908	0.077988	0.028995	0.019996	0.001999	0.000999
38	1.07883	0.072988	0.139978	0.108983	0.007998	0.004999
45	1.15382	0.154976	0.047992	0.58791	0.011998	0.006998
52	1.76373	0.152976	0.156976	2.99854	0.025996	0.024996
59	2.05969	0.165974	0.212967	15.4437	0.039993	0.053991
66	2.77358	0.165974	0.245962	43.1384	0.055991	0.040993
73	2.95355	0.210967	0.320951	238.636	0.06499	0.05999
80	5.83411	0.208968	0.397939	1162.84	0.06299	0.185971
87	10.1055	0.25696	0.498924	1800	0.105983	0.25996
94	22.2106	0.275958	0.464929	1800	0.106983	0.228965
101	29.4575	0.334949	0.595909	1800	0.429934	0.178972
108	56.3504	0.309952	0.969852	-	0.172973	0.374943
115	155.878	0.447931	3.04454	-	0.369943	0.316951
122	182.116	0.423935	1.44578	-	0.507922	0.167974
129	188.209	0.478927	0.702893	-	0.912861	0.304953
136	437.75	0.638902	1.19282	-	0.486925	1.45378
143	551.541	0.887865	14.8817	-	1.64975	0.490925
150	1265.97	1.68874	0.997848	-	1.15882	0.684895
157	1459.35	0.891864	1.44178	-	3.32849	0.670898
164	1800	6.83296	1.83572	-	1.18982	0.670898
171	1800	7.47986	1.00485	-	2.51962	1.70974
178	1800	16.6825	1.52877	-	4.21536	0.403938
185	1800	11.1673	1.66175	-	1.3098	1.21281
192	-	22.1396	6.03308	-	3.36149	1.69074
199	-	15.5626	4.95325	-	3.74243	0.499924
206	-	25.8901	3.79842	-	6.07608	0.496924
213	-	19.2531	4.87126	-	6.03208	3.10953
220	-	33.2869	37.6143	-	9.78351	3.57346
227	-	29.5705	28.5177	-	8.5347	9.8485
234	-	22.6136	9.73152	-	9.51555	2.70659
241	-	23.3405	15.0137	-	9.82551	13.4949
248	-	52.487	34.4918	-	11.8352	1.72874
255	-	21.5187	7.32689	-	13.8979	8.5557
262	-	40.7878	4.95725	-	8.91864	7.00493
269	-	54.4227	8.5477	-	15.3967	6.37403
276	-	43.4584	43.5474	-	13.281	8.25574

**Tseitin grids, width: 4, no shuffle, preprocessing  
no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
3	0.000999	0.000999	0.0	0.0	0.0	0.0
10	0.0	0.0	0.000999	0.0	0.0	0.0
17	0.0	0.0	0.000999	0.0	0.000999	0.000999
24	0.000998	0.000999	0.000999	0.000999	0.000999	0.000999
31	0.008998	0.000999	0.000999	0.000999	0.000999	0.000999
38	0.72189	0.005999	0.012998	0.19397	0.004999	0.003999
45	6.99294	0.006998	0.003999	0.6539	0.002999	0.002999
52	1.54776	0.006998	0.003999	2.37264	0.005999	0.008998
59	13.033	0.017997	0.014997	52.713	0.007998	0.007998
66	132.522	0.025996	0.011998	1058.12	0.016997	0.011998
73	539.795	0.030995	0.012998	1800	0.013997	0.012998
80	105.563	0.056991	0.022996	891.681	0.014997	0.009998
87	1800	0.058991	0.023996	1800	0.023996	0.012998
94	75.7705	0.044993	0.018997	803.287	0.015997	0.019996
101	141.025	0.078987	0.089986	1084.79	0.039993	0.025996
108	331.237	0.13098	0.047992	1800	0.040993	0.058991
115	1800	0.147977	0.066989	1800	0.042993	0.056991
122	1800	0.208968	0.069989	1800	0.045993	0.05999
129	1800	0.242963	0.049992	-	0.049992	0.038994
136	1800	0.220966	0.105983	-	0.045993	0.044993
143	1800	0.19597	0.115982	-	0.079987	0.055991
150	1800	0.305953	0.084987	-	0.049992	0.105983
157	-	0.485926	0.096985	-	0.098984	0.149977
164	-	0.365944	0.105983	-	0.089986	0.105983
171	-	0.483926	0.116982	-	0.112982	0.067989
178	-	0.882865	0.215967	-	0.173973	0.105983
185	-	0.555915	0.328949	-	0.096985	0.103984
192	-	1.03984	0.214967	-	0.155976	0.157975
199	-	0.804877	0.142978	-	0.149977	0.102984
206	-	0.813876	0.239963	-	0.181972	0.108983
213	-	0.797878	0.216967	-	0.206968	0.160975
220	-	1.52177	0.285956	-	0.253961	0.19597
227	-	1.21981	0.289955	-	0.165974	0.221966
234	-	1.47078	0.335948	-	0.25696	0.209968
241	-	1.06784	0.212967	-	0.226965	0.217966
248	-	1.24381	0.354946	-	0.19697	0.401938
255	-	2.04569	0.370943	-	0.235964	0.143978
262	-	1.90771	0.346947	-	0.221966	0.200969
269	-	2.37664	0.397939	-	0.301954	0.201969
276	-	2.17467	0.45393	-	0.253961	0.308953

Tseitin grids, width: 4, no shuffle, preprocessing  
 clause removal  
 CPU time expressed in seconds

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
3	0.0	0.0	0.0	0.0	0.0	0.000999
10	0.000999	0.000999	0.000999	0.0	0.0	0.0
17	0.0	0.000999	0.000999	0.000999	0.0	0.000999
24	1.14283	0.041993	0.001999	0.000999	0.000999	0.000999
31	1.71574	0.036994	0.008998	0.001999	0.000999	0.000999
38	1.88471	0.186971	5.70413	0.094985	0.008998	0.007998
45	2.5926	0.440932	0.414936	0.201969	0.017997	0.007998
52	2.24666	0.231964	0.093985	1.04784	0.022996	0.025996
59	3.76043	0.447931	0.936857	9.57754	0.058991	0.071989
66	7.33389	0.481926	0.32295	80.1428	0.145977	0.146977
73	12.6881	0.358945	0.343947	174.178	0.154976	0.155976
80	8.42672	0.578911	2.94955	70.6703	0.199969	0.229965
87	86.7208	0.563914	0.482926	1800	0.395939	0.353946
94	12.6441	1.04084	0.485926	1800	0.228965	0.268959
101	36.0775	2.83857	2.01369	1800	0.39194	0.25996
108	30.7913	3.2715	13.295	-	1.08184	1.26781
115	732.475	3.53946	4.18536	-	0.862868	1.3098
122	1461.03	8.02778	4.63429	-	1.15882	1.02684
129	1244.39	3.67144	3.79442	-	1.19782	2.44263
136	932.497	8.87065	19.433	-	1.55576	1.3098
143	706.415	6.16506	9.49756	-	1.58976	2.20566
150	1800	22.5606	6.88695	-	1.37879	1.41578
157	1800	43.8613	11.7442	-	2.73158	2.19966
164	1800	50.3273	11.4783	-	3.54346	3.41048
171	-	52.436	20.3379	-	3.9244	3.14952
178	-	33.9528	25.2252	-	8.65268	5.99209
185	-	25.8021	4.78327	-	3.91341	1.74073
192	-	62.2255	62.6515	-	15.9246	5.36518
199	-	51.2162	21.7867	-	6.99094	7.61384
206	-	141.752	23.5924	-	7.95379	5.67914
213	-	49.0345	15.8546	-	4.22336	8.09877
220	-	58.1312	53.7018	-	17.1524	9.10961
227	-	79.183	8.5327	-	10.3614	4.10738
234	-	125.595	53.2929	-	19.0451	16.7715
241	-	52.774	17.4523	-	8.23075	4.14237
248	-	120.349	71.9841	-	28.4677	9.48956
255	-	97.7171	80.9227	-	17.1864	8.83966
262	-	93.4038	98.423	-	13.5959	9.04262
269	-	171.297	34.8237	-	46.14	19.823
276	-	166.102	31.5162	-	17.6573	20.9488

**Tseitin grids, width: 4, shuffle, preprocessing, no clause removal**  
**CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
3	0.0	0.000999	0.000999	0.0	0.000999	0.0
10	0.000999	0.000999	0.000999	0.000999	0.000999	0.0
17	0.000999	0.000999	0.000999	0.000999	0.0	0.0
24	0.05999	0.002999	0.000999	0.001999	0.0	0.000999
31	0.418936	0.002999	0.001999	0.028995	0.001999	0.001999
38	0.058991	0.002999	0.000999	0.002999	0.001999	0.000999
45	24.3003	0.006998	0.006998	16.9034	0.007998	0.025996
52	5.77812	0.014997	0.007998	3.9734	0.005999	0.005999
59	24.8512	0.015997	0.005999	82.3585	0.011998	0.009998
66	148.788	0.031995	0.022996	958.615	0.013997	0.007998
73	54.0218	0.041993	0.015997	257.187	0.012998	0.044993
80	531.536	0.047992	0.017997	1800	0.016997	0.013997
87	1426.74	0.06499	0.034994	1800	0.034994	0.022996
94	777.805	0.049992	0.030995	1800	0.020996	0.027995
101	426.094	0.065989	0.026995	-	0.021996	0.021996
108	1800	0.092985	0.041993	-	0.037994	0.055991
115	1800	0.12698	0.06199	-	0.042993	0.019996
122	1800	0.217966	0.075988	-	0.043993	0.054991
129	1627.73	0.174973	0.077988	-	0.047992	0.123981
136	1800	0.246962	0.085986	-	0.051992	0.038994
143	1800	0.238963	0.058991	-	0.075988	0.038994
150	1800	0.412937	0.450931	-	0.093985	0.106983
157	-	0.386941	0.233964	-	0.092985	0.089986
164	-	0.339948	0.105983	-	0.095985	0.124981
171	-	0.357945	0.182972	-	0.092985	0.056991
178	-	0.512922	0.095985	-	0.105983	0.05999
185	-	0.743886	0.156976	-	0.134979	0.118981
192	-	0.642902	0.197969	-	0.146977	0.093985
199	-	0.620905	0.134979	-	0.149977	0.084987
206	-	0.742887	0.210967	-	0.161975	0.097985
213	-	0.927858	0.255961	-	0.177972	0.236963
220	-	1.27081	0.264959	-	0.142978	0.114982
227	-	0.881865	0.19297	-	0.139978	0.107983
234	-	1.46478	0.555915	-	0.178972	0.197969
241	-	1.90771	0.405938	-	0.32595	0.160975
248	-	1.36479	0.973851	-	0.244962	0.255961
255	-	1.35679	0.373943	-	0.223965	0.19197
262	-	1.81272	0.254961	-	0.45993	0.26096
269	-	2.17867	8.97564	-	0.307953	0.841872
276	-	2.88156	0.415936	-	0.32595	0.229965

**Tseitin grids, width: 4, shuffle, preprocessing, clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
3	0.000999	0.0	0.0	0.0	0.0	0.0
10	0.000999	0.0	0.0	0.000999	0.0	0.0
17	0.000999	0.0	0.0	0.000999	0.0	0.000999
24	8.29974	0.436933	0.037994	0.001999	0.000999	0.000999
31	3.53246	0.291955	0.166974	0.026995	0.002999	0.001999
38	7.52086	0.440932	0.091986	0.002999	0.001999	0.001999
45	3.41448	0.371943	0.26296	1.01285	0.044993	0.056991
52	4.45432	2.26666	0.147977	1.24781	0.05999	0.051992
59	5.17721	0.544917	0.497924	4.48532	0.083987	0.057991
66	6.49401	0.563914	1.25981	78.3381	0.12998	0.089986
73	9.2166	1.77173	0.597909	245.096	0.315951	0.235964
80	15.7476	0.847871	0.779881	426.688	0.350946	0.302953
87	46.272	0.507922	2.09868	1800	0.350946	0.394939
94	28.8076	0.754885	2.50362	1232.48	0.334949	0.52092
101	31.7602	1.38879	0.365944	1800	0.361944	0.169974
108	190.381	2.28765	1.00685	1800	0.558915	0.631903
115	288.806	3.9304	1.38079	1800	1.04684	1.18382
122	535.417	8.64169	6.22805	-	1.68874	1.52677
129	549.541	3.98039	11.3833	-	0.731888	0.240963
136	1800	4.90625	5.03024	-	1.81572	1.63575
143	1013.66	9.34158	13.8799	-	1.74073	2.24366
150	1800	6.543	12.4431	-	2.56761	2.6216
157	1800	19.432	5.10722	-	4.37134	3.23651
164	1800	24.1133	4.74628	-	0.886865	2.78958
171	-	19.1501	7.74182	-	2.31565	0.638902
178	-	10.9443	2.56461	-	4.97724	3.34649
185	-	56.8494	43.2924	-	8.86465	3.2815
192	-	68.7026	28.4377	-	3.63845	1.80773
199	-	66.2589	14.1349	-	5.2442	2.54561
206	-	33.5229	41.7647	-	6.08507	3.52446
213	-	58.5831	14.2548	-	7.02993	5.11222
220	-	124.57	59.9919	-	7.11992	4.46832
227	-	46.28	7.54785	-	8.99963	5.79112
234	-	77.7552	52.662	-	19.3781	6.24805
241	-	134.77	57.0173	-	10.5174	7.2519
248	-	147.143	38.7251	-	12.1482	9.26959
255	-	108.637	53.7108	-	13.7759	14.6838
262	-	89.7414	56.0745	-	15.3437	13.374
269	-	106.881	94.9016	-	12.1382	5.51116
276	-	174.494	83.6573	-	29.6265	20.1489

**Tseitin grids, width: 5, no shuffle, no preprocessing  
no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
4	0.0	0.000999	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.000999	0.0	0.000999
22	0.003999	0.000999	0.000999	0.000999	0.000999	0.000999
31	0.446932	0.000999	0.000999	0.020996	0.000999	0.000999
40	50.6773	0.003999	0.001999	1.78373	0.003999	0.002999
49	1068.67	0.014997	0.005999	186.527	0.005999	0.005999
58	1800	0.024996	0.011998	1800	0.010998	0.006998
67	1800	0.042993	0.013997	1800	0.020996	0.011998
76	1800	0.077988	0.026995	1800	0.030995	0.028995
85	1800	0.111982	0.070989	-	0.06199	0.083987
94	-	0.206968	0.06499	-	0.056991	0.036994
103	-	0.248962	0.075988	-	0.085986	0.06399
112	-	0.349946	0.089986	-	0.101984	0.043993
121	-	0.410937	0.094985	-	0.133979	0.073988
130	-	0.71989	0.116982	-	0.182972	0.115982
139	-	0.922859	0.110983	-	0.218966	0.12598
148	-	1.07284	0.179972	-	0.197969	0.491925
157	-	1.52377	0.12698	-	0.419936	0.184971
166	-	1.73274	0.318951	-	0.404938	0.379942
175	-	1.86172	0.252961	-	0.45993	0.113982
184	-	2.14867	0.573912	-	0.363944	0.160975
193	-	2.83657	0.72089	-	0.397939	0.247962
202	-	5.37218	0.702893	-	0.691894	0.45593
211	-	4.17537	0.603908	-	0.690894	0.339948
220	-	6.46802	0.739887	-	0.885865	0.45593
229	-	8.45172	0.695894	-	0.879866	0.406938
238	-	7.10692	0.535918	-	0.78388	0.237963
247	-	8.89465	0.601908	-	1.34479	0.710891
256	-	8.38472	1.3008	-	1.3128	0.729889
265	-	9.51855	0.745886	-	1.03784	0.548916
274	-	11.7772	2.36964	-	1.3008	1.03584
283	-	10.6244	1.52377	-	2.17467	0.604908
292	-	21.7217	0.861868	-	1.82172	0.6519
301	-	15.6236	1.9607	-	2.22966	0.899863
310	-	15.1847	1.09283	-	2.29065	0.741887
319	-	17.5933	1.16782	-	2.40863	0.753885
328	-	23.2455	3.59845	-	2.66959	1.13283
337	-	17.9663	3.2555	-	2.56361	1.63575
346	-	29.7655	1.37379	-	3.08953	1.25281
355	-	29.6945	2.12968	-	2.52861	1.16282



**Tseitin grids, width: 5, no shuffle, no preprocessing  
clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
4	0.000999	0.0	0.0	0.0	0.0	0.0
13	0.000999	0.0	0.0	0.000999	0.000999	0.000999
22	0.033994	0.001999	0.000999	0.000999	0.0	0.0
31	0.602908	0.074988	0.034994	0.015997	0.000999	0.000999
40	8.62569	0.451931	0.206968	0.228965	0.008998	0.008998
49	26.346	1.54076	1.05884	2.72159	0.028995	0.028995
58	18.1742	1.92071	1.62075	35.1477	0.069989	0.06099
67	20.4339	3.9074	2.72159	445.423	0.214967	0.13098
76	67.1648	5.43217	3.41848	1800	0.39194	0.338948
85	173.5	8.92764	1.9527	1800	0.886865	0.770882
94	1800	14.8897	2.25866	1800	1.26881	1.77173
103	1800	17.1764	7.31889	1800	2.36964	2.12068
112	1800	42.5355	7.98778	-	4.09138	2.89756
121	-	108.119	31.4812	-	6.13407	4.99924
130	-	176.844	19.626	-	8.72567	4.5713
139	-	189.881	34.6997	-	9.42957	11.9962
148	-	545.346	52.1631	-	15.6786	11.3603
157	-	315.061	70.4153	-	22.7005	8.74667
166	-	534.788	97.7851	-	34.7637	12.855
175	-	553.715	91.946	-	77.2183	15.4696
184	-	592.179	148.362	-	56.5274	14.4788
193	-	1800	178.521	-	72.7519	22.7285
202	-	1218.665	168.873	-	71.3951	28.2167
211	-	1328.2	251.594	-	156.34	48.4316
220	-	1800	311.929	-	131.363	45.3171
229	-	1800	206.205	-	182.773	14.0319
238	-	1800	299.753	-	135.106	44.7022
247	-	-	355.589	-	144.991	78.671
256	-	-	414.563	-	91.4501	58.7251
265	-	-	433.802	-	217.995	77.0243
274	-	-	319.811	-	442.018	47.9817
283	-	-	799.322	-	504.209	103.515
292	-	-	494.469	-	475.596	109.355
301	-	-	644.791	-	266.657	74.4787
310	-	-	508.961	-	496.048	49.6015
319	-	-	1114.46	-	553.433	300.103
328	-	-	810.523	-	569.94	148.823
337	-	-	940.927	-	646.795	199.757
346	-	-	890.979	-	870.694	115.41
355	-	-	662.81	-	1243.87	284.902

Tseitin grids, width: 5, shuffle, no preprocessing  
no clause removal  
CPU time expressed in seconds

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
4	0.0	0.0	0.000999	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.000999	0.0
22	0.003999	0.000999	0.000999	0.0	0.000999	0.000999
31	0.539917	0.001999	0.000999	0.016997	0.000999	0.000999
40	82.1575	0.004999	0.001999	2.39864	0.003999	0.003999
49	1160.96	0.014997	0.005999	241.633	0.003999	0.002999
58	1800	0.025996	0.015997	1800	0.012998	0.010998
67	1800	0.041993	0.031995	1800	0.018997	0.011998
76	1800	0.06399	0.25696	1800	0.027995	0.033994
85	-	0.099984	0.067989	-	0.050992	0.044993
94	-	0.167974	0.032994	-	0.115982	0.048992
103	-	0.274958	0.06099	-	0.100984	0.042993
112	-	0.369943	0.092985	-	0.081987	0.047992
121	-	0.425935	0.124981	-	0.202969	0.050992
130	-	0.602908	0.141978	-	0.180972	0.080987
139	-	0.633903	0.200969	-	0.186971	0.067989
148	-	1.03384	0.147977	-	0.25996	0.117982
157	-	1.65075	0.166974	-	0.345947	0.097985
166	-	2.21366	0.308953	-	0.309952	0.202969
175	-	2.5986	0.371943	-	0.526919	0.142978
184	-	2.59761	0.600908	-	0.397939	0.273958
193	-	3.33049	0.273958	-	0.665898	0.342947
202	-	3.50747	0.930858	-	0.6539	0.802877
211	-	4.02339	0.294955	-	0.6519	0.474927
220	-	5.40518	1.58876	-	0.663899	0.32495
229	-	6.46402	0.547916	-	0.829873	0.321951
238	-	6.15106	0.733888	-	0.699893	0.333949
247	-	6.94094	0.902862	-	0.795879	0.277957
256	-	10.1505	0.843871	-	1.18582	0.965853
265	-	11.0373	0.647901	-	1.18182	0.857869
274	-	14.7478	2.31565	-	1.41379	1.16182
283	-	11.0303	1.03384	-	1.44178	0.840872
292	-	14.8617	1.69974	-	2.38264	0.798878
301	-	16.2695	1.88771	-	2.79957	1.12583
310	-	15.5836	1.27181	-	2.58161	1.02184
319	-	23.2665	2.36364	-	2.49662	1.50177
328	-	26.262	1.41578	-	2.6066	0.977851
337	-	25.7331	1.52377	-	2.80057	0.890864
346	-	24.6593	1.9547	-	2.45463	1.40379
355	-	36.2165	2.16567	-	2.59461	1.07284

**Tseitin grids, width: 5, shuffle, no preprocessing  
clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
4	0.0	0.000999	0.0	0.0	0.000999	0.000999
13	0.000999	0.000999	0.0	0.000999	0.0	0.000999
22	0.039993	0.000999	0.000999	0.000999	0.000999	0.0
31	0.6569	0.070989	0.033994	0.023996	0.002999	0.001999
40	11.6242	0.429934	0.232964	0.204968	0.009998	0.009998
49	18.8071	1.47278	0.332949	3.47747	0.026995	0.027995
58	18.6322	2.06269	1.35379	44.9272	0.071989	0.056991
67	22.1286	3.76843	2.51162	456.401	0.168974	0.159975
76	53.6118	5.96809	3.83442	1800	0.385941	0.271958
85	159.785	8.77666	2.55961	1800	0.948855	0.664898
94	1800	14.9107	6.08308	1800	1.93271	0.91486
103	1800	25.3421	32.993	-	2.41163	0.954854
112	1800	43.2034	18.1882	-	3.54346	2.99754
121	-	54.7057	45.3261	-	6.97394	2.92755
130	-	111.494	36.7774	-	6.05508	5.96209
139	-	126.137	68.0187	-	14.9387	6.76897
148	-	367.26	52.576	-	18.0573	3.32949
157	-	296.354	59.421	-	14.7368	18.0493
166	-	825.083	85.9259	-	34.1828	19.1911
175	-	562.8365	98.1841	-	34.2158	14.6938
184	-	898.129	102.634	-	54.9536	32.3581
193	-	849.371	136.055	-	53.4969	22.5676
202	-	1352.685	170.337	-	58.1802	9.61954
211	-	1437.35	174.971	-	111.715	44.4012
220	-	1525.34	253.465	-	139.024	49.3165
229	-	1800	275.673	-	89.0605	68.6526
238	-	1800	351.8	-	210.932	47.6018
247	-	1800	283.131	-	172.263	71.4591
256	-	1800	377.0	-	170.495	84.9141
265	-	1800	355.122	-	250.549	84.3942
274	-	-	538.342	-	400.535	99.5109
283	-	-	631.032	-	123.243	83.5533
292	-	-	1091.24	-	421.283	59.202
301	-	-	547.907	-	299.424	116.839
310	-	-	660.05	-	367.554	211.276
319	-	-	805.018	-	537.265	198.293
328	-	-	1800	-	892.053	180.063
337	-	-	801.146	-	554.096	56.0715
346	-	-	736.351	-	862.218	271.528
355	-	-	837.508	-	389.629	237.124

**Tseitin grids, width: 5, no shuffle, preprocessing  
no clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
4	0.000999	0.0	0.0	0.0	0.0	0.0
13	0.000999	0.000999	0.000999	0.000999	0.000999	0.0
22	0.000999	0.000999	0.0	0.0	0.000999	0.0
31	0.007998	0.001999	0.000999	0.001999	0.000999	0.000999
40	187.179	0.007998	0.004999	0.416936	0.004999	0.003999
49	609.683	0.015997	0.006998	32.0631	0.009998	0.009998
58	1800	0.033994	0.011998	1800	0.023996	0.072988
67	1800	0.069989	0.040993	1800	0.031995	0.034994
76	1800	0.071989	0.113982	1800	0.041993	0.021996
85	-	0.159975	0.047992	-	0.05999	0.038994
94	-	0.160975	0.121981	-	0.069989	0.145977
103	-	0.374943	0.233964	-	0.082987	0.087986
112	-	0.361944	0.153976	-	0.12798	0.114982
121	-	0.443932	0.19597	-	0.133979	0.243962
130	-	0.581911	0.357945	-	0.168974	0.122981
139	-	0.78588	0.350946	-	0.178972	0.142978
148	-	1.05384	0.45893	-	0.215967	1.26381
157	-	1.78573	0.992849	-	0.279957	0.438933
166	-	1.45178	0.571913	-	0.39194	0.446932
175	-	1.9667	3.08553	-	0.38894	0.318951
184	-	2.35364	0.515921	-	0.661899	0.309952
193	-	2.28265	0.552915	-	0.479927	1.12483
202	-	2.59461	1.01185	-	0.450931	2.97555
211	-	4.80827	1.63275	-	0.619905	0.517921
220	-	5.38018	1.78973	-	0.618905	0.316951
229	-	6.84096	2.22666	-	0.6539	1.02984
238	-	5.57415	1.02584	-	0.837872	0.446932
247	-	9.15661	1.20082	-	1.04584	1.07284
256	-	9.01363	0.960853	-	1.37079	1.75573
265	-	9.06462	3.79242	-	1.10483	1.41379
274	-	11.6462	1.04784	-	1.3218	1.20482
283	-	11.6322	2.49762	-	1.42878	1.9697
292	-	12.5551	3.07653	-	1.72474	1.56776
301	-	12.7401	2.04269	-	2.34564	0.619905
310	-	21.5897	2.15267	-	2.30165	1.62575
319	-	15.5126	4.66229	-	1.73874	1.35779
328	-	24.9222	11.2233	-	2.12968	1.36879
337	-	31.0553	8.28874	-	3.24051	1.2878
346	-	27.7798	3.69444	-	2.52861	1.19082
355	-	27.2239	8.58269	-	3.65144	6.80996

**Tseitin grids, width: 5, no shuffle, preprocessing  
clause removal  
CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
4	0.0	0.000999	0.000999	0.0	0.0	0.000999
13	0.000999	0.000999	0.0	0.000999	0.000999	0.000999
22	0.052991	0.002999	0.016997	0.000999	0.0	0.000999
31	1.14183	0.042993	0.002999	0.001999	0.000999	0.000999
40	20.2519	9.2346	1.40679	0.134979	0.017997	0.013997
49	12.4701	7.9018	0.723889	1.3028	0.051992	0.067989
58	20.5069	9.03763	3.22451	16.6845	0.151976	0.279957
67	210.831	5.01724	5.67414	180.638	0.355945	0.469928
76	406.282	4.78227	25.4301	985.897	0.780881	0.738887
85	917.433	14.7448	49.8474	1800	2.22266	1.82872
94	1800	16.3295	72.127	1800	1.16682	1.69974
103	1800	39.25	87.8606	1800	4.86526	3.59145
112	1800	100.291	24.8302	-	5.59615	5.79812
121	-	109.848	124.079	-	10.1905	11.4493
130	-	172.873	59.8909	-	12.8021	8.40772
139	-	185.132	163.008	-	29.4185	11.3523
148	-	476.762	246.406	-	29.1916	11.6822
157	-	1208.41	1623.2	-	64.1992	49.4305
166	-	851.91	1800	-	60.4658	31.3362
175	-	1800	599.373	-	159.112	50.2124
184	-	1800	1800	-	81.8276	30.4314
193	-	1800	237.57	-	143.933	23.8644
202	-	1380.22	1800	-	82.2985	16.0196
211	-	1800	1344.48	-	355.774	180.188
220	-	1800	1800	-	246.907	35.8166
229	-	1800	1800	-	273.591	89.5044
238	-	-	406.338	-	259.649	109.555
247	-	-	1800	-	480.472	99.7048
256	-	-	1800	-	486.591	250.326
265	-	-	1800	-	432.495	76.6264
274	-	-	-	-	641.17	159.276
283	-	-	-	-	782.331	105.249
292	-	-	-	-	1167.16	117.588
301	-	-	-	-	688.714	276.096
310	-	-	-	-	1030.26	311.912
319	-	-	-	-	1449.77	275.119
328	-	-	-	-	1221.795	475.898
337	-	-	-	-	1800	427.223
346	-	-	-	-	1800	210.047
355	-	-	-	-	1800	297.422

**Tseitin grids, width: 5, shuffle, preprocessing, no clause removal**  
**CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
4	0.0	0.000999	0.0	0.0	0.0	0.000999
13	0.000999	0.000999	0.000999	0.000999	0.000999	0.000999
22	0.000999	0.000999	0.000999	0.000999	0.0	0.000999
31	0.001999	0.000999	0.000999	0.000999	0.000999	0.000999
40	181.082	0.010998	0.004999	0.328949	0.003999	0.001999
49	1800	0.012998	0.004999	11.8962	0.007998	0.006998
58	1800	0.021996	0.006998	1800	0.013997	0.021996
67	1800	0.05999	0.030995	1800	0.024996	0.019996
76	-	0.066989	0.026995	1800	0.044993	0.037994
85	-	0.098984	0.033994	-	0.052991	0.067989
94	-	0.135979	0.036994	-	0.045993	0.122981
103	-	0.223965	0.104984	-	0.103984	0.506922
112	-	0.332949	0.296954	-	0.109983	0.066989
121	-	0.52492	0.209968	-	0.170974	0.150977
130	-	0.559914	0.199969	-	0.186971	0.335948
139	-	0.698893	0.425935	-	0.154976	0.103984
148	-	0.828873	0.234964	-	0.212967	0.32595
157	-	1.59576	2.68159	-	0.396939	0.492925
166	-	1.90471	0.518921	-	0.403938	0.375942
175	-	1.57776	0.216967	-	0.363944	0.212967
184	-	2.49862	2.45863	-	0.509922	0.517921
193	-	3.20951	0.71889	-	0.412937	0.363944
202	-	3.11952	1.79373	-	0.700893	0.943856
211	-	3.00154	2.67959	-	0.433934	1.00085
220	-	6.20606	1.37279	-	0.675897	0.986849
229	-	5.15522	1.19782	-	0.803877	0.648901
238	-	4.68929	0.944856	-	0.573912	0.282956
247	-	9.27459	1.01385	-	0.714891	1.50477
256	-	8.5477	1.80673	-	1.3028	1.00185
265	-	9.58854	3.9634	-	1.04984	1.16182
274	-	13.04	1.23681	-	1.3198	1.3278
283	-	12.3411	2.07069	-	1.57276	1.14383
292	-	13.7639	1.20682	-	2.56061	1.09583
301	-	14.3868	2.0027	-	1.67475	0.986849
310	-	12.6581	2.29465	-	1.53577	1.65975
319	-	19.764	5.77412	-	2.02369	2.78858
328	-	24.5593	3.13352	-	2.80557	0.869867
337	-	23.9224	4.16137	-	2.44763	2.50862
346	-	26.043	2.80657	-	3.2925	2.21666
355	-	34.4708	4.03239	-	2.71959	1.45978

**Tseitin grids, width: 5, shuffle, preprocessing, clause removal**  
**CPU time expressed in seconds**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
4	0.0	0.0	0.000999	0.000999	0.000999	0.0
13	0.000999	0.000999	0.0	0.0	0.0	0.0
22	0.032994	0.004999	0.002999	0.0	0.000999	0.0
31	0.032994	0.002999	0.018997	0.000999	0.000999	0.000999
40	22.2106	9.09862	0.600908	0.148977	0.013997	0.011998
49	291.43	2.15667	0.827874	0.881865	0.024996	0.037994
58	21.7067	2.84257	2.42963	13.7009	0.068989	0.056991
67	100.447	7.81281	10.3764	179.652	0.441932	0.279957
76	1547.44	6.72998	15.4087	989.856	0.550916	1.23981
85	839.905	6.81296	7.44487	1800	0.933858	0.952855
94	1800	30.9633	10.6364	1800	2.18367	1.9667
103	1800	59.7849	23.7644	1800	4.67029	4.36734
112	1800	95.6545	268.106	-	8.35273	4.22336
121	-	245.799	477.2	-	12.2321	9.8645
130	-	174.915	44.7702	-	17.2694	9.8805
139	-	198.083	86.9438	-	16.0786	11.3863
148	-	468.235	73.5618	-	28.1417	27.5258
157	-	574.292	1343.43	-	47.5008	31.2283
166	-	1800	634.318	-	77.0713	32.613
175	-	797.97	105.18	-	35.9335	42.0156
184	-	1800	746.166	-	101.049	51.5752
193	-	1800	482.658	-	159.545	36.4885
202	-	1800	392.184	-	194.92	82.3165
211	-	1800	1800	-	198.477	41.4267
220	-	1800	1800	-	300.429	73.5618
229	-	-	1800	-	230.264	84.8241
238	-	-	-	-	184.376	44.8602
247	-	-	-	-	463.153	250.809
256	-	-	-	-	489.702	114.363
265	-	-	-	-	508.642	76.5734
274	-	-	-	-	441.266	293.897
283	-	-	-	-	428.105	199.155
292	-	-	-	-	1149.29	298.436
301	-	-	-	-	998.458	116.653
310	-	-	-	-	1069.18	172.888
319	-	-	-	-	1240.99	248.123
328	-	-	-	-	708.526	172.526
337	-	-	-	-	1477.17	432.073
346	-	-	-	-	1800	506.974
355	-	-	-	-	1800	433.499

# Memory consumption



**Pebbling formulas with  
substitution neq(not all equal)  
of arity 3**

**Pebbling formulas, Gilbert-Tarjan graphs, substitution neq 3  
no shuffle, no preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
33	5.43	5.43	5.43	5.43	5.43	5.43
63	5.43	5.43	5.43	21.89	5.43	5.43
123	5.43	5.43	5.43	79.84	5.43	5.43
132	5.43	5.43	5.43	126.88	5.43	5.43
228	7.54	5.43	5.43	8000	5.43	5.43
237	7.6	5.43	5.43	8000	5.43	5.43
405	11.48	7.86	5.43	8000	11.27	10.98
414	11.54	7.87	5.43	-	10.56	5.43
456	11.65	7.94	5.43	-	11.29	11.11
465	11.66	7.95	5.43	-	11.42	6.89
747	18.87	5.65	5.43	-	18.45	10.38
756	18.88	5.66	5.43	-	18.48	17.34
780	18.9	5.71	5.43	-	22.77	18.2
789	18.92	5.71	5.43	-	18.48	18.17
1239	23.62	19.18	11.43	-	32.01	21.84
1248	23.62	19.62	11.41	-	32.28	31.77
1272	23.65	19.27	11.43	-	32.21	29.59
1281	23.66	19.59	11.53	-	45.99	29.69
1431	24.21	19.62	11.9	-	30.72	29.74
1440	24.07	19.64	11.85	-	30.56	22.75
1464	24.09	12.78	11.91	-	31.16	22.04
1473	24.09	19.67	11.89	-	30.43	29.0
2235	8000	13.16	11.73	-	50.46	30.59
2244	8000	13.19	11.72	-	50.55	29.68
2268	8000	13.23	11.6	-	47.92	29.36
2277	-	13.29	11.61	-	51.39	44.02
2355	-	13.21	11.49	-	50.57	44.81
2364	-	13.38	11.57	-	48.64	44.66
2388	-	13.36	18.58	-	48.21	44.27
2397	-	13.37	11.69	-	49.18	44.16
3543	-	39.37	22.88	-	123.49	69.56
3552	-	39.05	22.67	-	118.33	108.59
3576	-	38.87	22.67	-	123.88	70.73
3585	-	39.24	22.64	-	117.84	109.2
3663	-	39.54	23.16	-	115.33	109.02
3672	-	39.02	22.83	-	118.95	73.83
3696	-	38.94	23.0	-	117.16	70.63
3705	-	38.7	23.12	-	117.42	109.59
4155	-	28.99	22.52	-	116.56	69.3
4164	-	28.61	22.39	-	118.54	51.21

**Pebbling formulas, Gilbert-Tarjan graphs, substitution neq 3  
no shuffle, no preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
456	5.43	5.43	5.43	8000	6.34	6.1
465	5.99	5.43	5.43	8000	7.29	7.16
747	9.04	7.38	6.96	8000	10.62	9.11
756	9.18	7.4	6.98	-	12.1	9.14
780	9.22	6.71	7.05	-	10.45	12.85
789	9.14	6.71	7.1	-	10.43	8.5
1239	11.78	13.32	10.84	-	32.65	36.62
1248	11.82	14.11	10.87	-	29.59	32.59
1272	11.88	14.25	10.91	-	34.18	18.39
1281	11.91	14.55	10.99	-	29.66	41.73
1431	15.71	13.25	9.26	-	28.79	53.88
1440	15.68	13.23	9.21	-	31.84	25.88
1464	15.76	13.24	9.27	-	31.51	22.99
1473	15.6	13.3	9.25	-	25.48	64.46
2235	23.14	13.16	11.73	-	95.3	35.09
2244	23.18	13.19	11.72	-	100.69	27.83
2268	23.26	13.23	11.6	-	113.67	82.04
2277	23.27	13.29	11.61	-	85.42	89.77
2355	23.44	13.21	11.49	-	47.68	40.62
2364	23.32	13.38	11.57	-	59.24	55.1
2388	23.39	13.36	18.58	-	105.59	54.96
2397	23.49	13.37	11.69	-	87.69	87.86
3543	36.875	36.27	25.88	-	277.105	474.66
3552	36.865	36.14	25.89	-	173.95	93.79
3576	8000	29.29	25.94	-	218.815	209.79
3585	36.38	36.37	25.94	-	260.52	248.48
3663	36.66	36.67	26.71	-	180.61	251.04
3672	8000	36.64	26.24	-	177.325	329.48
3696	8000	36.75	26.41	-	235.8	118.48
3705	8000	36.61	26.39	-	212.3	159.11
4155	8000	39.2	22.52	-	333.42	211.43
4164	-	39.12	22.39	-	214.07	216.75
4188	-	39.08	22.52	-	8000	191.05
4197	-	39.16	23.24	-	202.97	222.42
4275	-	39.5	23.32	-	220.82	198.1
4284	-	39.51	23.36	-	204.55	228.55
4308	-	39.24	22.54	-	296.54	163.5
4317	-	39.58	23.41	-	254.63	164.27
6255	-	30.39	26.25	-	8000	212.07
6264	-	30.64	26.4	-	8000	207.17

**Pebbling formulas, Gilbert-Tarjan graphs, substitution neq 3  
shuffle, no preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
33	5.43	5.43	5.43	5.43	5.43	5.43
63	5.43	5.43	5.43	21.69	5.43	5.43
123	5.43	5.43	5.43	118.39	5.43	5.43
132	5.43	5.43	5.43	128.11	5.43	5.43
228	7.58	5.43	5.43	8000	5.43	5.43
237	11.81	5.43	5.43	8000	5.43	5.43
405	11.48	7.88	5.43	8000	18.11	6.81
414	11.47	7.88	5.43	-	10.46	14.59
456	11.72	7.96	5.43	-	10.62	7.39
465	11.68	7.96	5.43	-	10.61	7.33
747	19.22	5.68	5.43	-	18.47	11.25
756	19.23	5.68	5.43	-	18.46	11.23
780	19.26	5.69	5.43	-	18.46	11.33
789	19.26	5.69	5.43	-	18.52	18.18
1239	23.62	19.22	11.39	-	32.05	28.9
1248	23.63	19.21	11.47	-	30.8	29.67
1272	23.65	19.7	11.48	-	32.52	29.7
1281	23.7	19.27	11.47	-	32.2	29.68
1431	24.06	19.68	11.93	-	31.06	21.89
1440	24.08	19.68	11.96	-	30.42	28.94
1464	24.08	19.71	11.93	-	31.04	22.81
1473	24.24	12.79	11.95	-	30.71	29.78
2235	8000	13.25	11.71	-	48.22	29.27
2244	8000	13.25	11.79	-	48.3	31.29
2268	8000	13.27	11.77	-	47.98	44.62
2277	-	13.23	11.75	-	48.79	44.35
2355	-	13.24	11.67	-	47.56	44.13
2364	-	13.32	11.79	-	48.57	29.45
2388	-	13.32	11.78	-	49.06	44.27
2397	-	13.41	11.79	-	48.52	30.87
3543	-	38.71	22.89	-	118.3	108.55
3552	-	39.32	22.92	-	119.17	110.49
3576	-	39.54	22.89	-	119.57	71.5
3585	-	39.03	22.86	-	118.73	76.96
3663	-	39.55	22.84	-	118.45	109.08
3672	-	39.84	22.96	-	118.64	108.49
3696	-	39.49	23.12	-	124.08	71.36
3705	-	39.59	23.56	-	118.12	108.63
4155	-	28.62	22.45	-	118.13	70.72
4164	-	28.6	23.32	-	118.89	70.43

**Pebbling formulas, Gilbert-Tarjan graphs, substitution neq 3  
shuffle, no preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
456	5.93	5.43	5.43	8000	7.48	5.74
465	5.99	5.43	5.43	8000	7.29	8.46
747	8.12	7.37	6.98	8000	13.07	9.26
756	9.72	7.41	7.0	-	12.11	14.36
780	9.06	7.44	7.05	-	11.46	10.17
789	9.21	7.46	7.05	-	11.46	15.45
1239	11.82	14.35	10.85	-	43.79	35.13
1248	11.81	14.57	10.92	-	42.86	53.0
1272	11.89	14.51	10.94	-	32.17	25.91
1281	11.92	14.51	10.93	-	32.88	31.88
1431	15.71	13.27	9.29	-	31.84	27.6
1440	15.75	15.39	9.32	-	31.34	47.37
1464	15.56	15.42	9.29	-	28.59	25.97
1473	15.59	13.39	9.31	-	28.78	27.58
2235	23.16	13.25	11.71	-	105.79	68.62
2244	23.2	13.25	11.79	-	89.26	53.28
2268	23.22	13.27	11.77	-	82.14	90.0
2277	23.25	13.23	11.75	-	83.2	52.96
2355	26.11	13.24	11.67	-	89.0	33.96
2364	23.34	13.32	11.79	-	63.66	47.31
2388	23.42	13.32	11.78	-	94.09	51.72
2397	23.72	13.41	11.79	-	78.82	35.11
3543	8000	36.13	25.91	-	231.28	212.11
3552	8000	36.09	25.92	-	276.9	163.39
3576	8000	36.2	25.95	-	8000	178.43
3585	-	36.14	25.96	-	263.02	161.62
3663	-	36.52	26.23	-	201.76	323.99
3672	-	36.54	26.28	-	178.31	90.01
3696	-	36.7	26.66	-	255.015	167.8
3705	-	36.84	33.45	-	174.38	473.08
4155	-	38.8	22.45	-	8000	96.9
4164	-	39.14	23.32	-	281.95	170.35
4188	-	39.26	23.21	-	8000	224.25
4197	-	39.28	23.27	-	214.63	340.08
4275	-	39.25	22.46	-	228.11	49.26
4284	-	39.32	23.39	-	255.62	207.53
4308	-	39.53	23.41	-	271.21	163.41
4317	-	39.42	22.59	-	256.35	213.72
6255	-	30.68	26.38	-	8000	221.93
6264	-	30.81	26.29	-	8000	204.41

**Pebbling formulas, Gilbert-Tarjan graphs, substitution neq 3  
no shuffle, preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
33	5.57	5.57	5.57	5.57	5.57	5.57
63	5.57	5.57	5.57	18.07	5.57	5.57
123	5.84	5.84	5.84	79.96	5.84	5.84
132	5.84	5.84	5.84	91.66	5.84	5.84
228	6.79	6.07	6.07	8000	6.07	6.07
237	8.73	6.06	6.06	8000	6.06	6.06
405	9.56	6.68	6.49	8000	12.36	7.91
414	9.5	6.67	6.49	-	9.16	6.49
456	9.73	6.49	6.49	-	6.49	6.49
465	9.86	6.49	6.49	-	8.65	6.49
747	16.75	7.28	7.28	-	12.7	8.22
756	16.3	7.27	7.27	-	12.87	8.25
780	17.78	7.28	7.28	-	12.83	11.6
789	16.96	7.66	7.66	-	13.16	11.72
1239	22.74	16.0	9.04	-	32.15	27.77
1248	22.82	16.13	9.53	-	45.79	28.29
1272	22.62	16.07	9.57	-	46.47	30.1
1281	22.71	16.36	9.65	-	30.73	30.22
1431	23.8	11.72	9.15	-	30.16	20.09
1440	24.15	14.64	9.13	-	31.05	20.16
1464	24.06	14.71	9.16	-	30.71	18.95
1473	24.5	14.67	9.77	-	29.85	27.29
2235	8000	11.79	11.09	-	50.69	45.21
2244	8000	11.84	11.22	-	50.68	29.23
2268	8000	12.26	11.21	-	51.25	30.8
2277	-	11.84	11.21	-	50.79	31.48
2355	-	11.83	11.33	-	48.36	31.96
2364	-	11.99	11.35	-	48.62	43.56
2388	-	12.12	11.47	-	50.83	43.65
2397	-	12.07	13.75	-	48.94	44.03
3543	-	39.49	22.82	-	118.39	74.22
3552	-	39.16	22.73	-	118.01	109.64
3576	-	39.28	22.79	-	118.15	74.07
3585	-	39.12	22.88	-	118.0	70.72
3663	-	39.54	22.93	-	118.34	156.53
3672	-	39.77	22.93	-	120.14	78.32
3696	-	39.96	23.47	-	120.18	108.18
3705	-	39.09	23.05	-	118.95	109.14
4155	-	28.69	23.39	-	116.38	71.29
4164	-	28.59	22.45	-	117.19	51.97

**Pebbling formulas, Gilbert-Tarjan graphs, substitution neq 3  
no shuffle, preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
456	6.49	6.49	6.49	8000	6.49	6.49
465	6.49	6.49	6.49	8000	8.13	6.49
747	8.06	7.28	7.28	8000	13.68	11.68
756	9.6	7.27	7.27	-	15.54	9.51
780	9.27	7.28	7.28	-	9.84	8.7
789	9.28	7.66	7.66	-	13.62	14.54
1239	10.82	13.47	10.11	-	48.67	46.67
1248	10.85	13.5	10.0	-	38.01	29.23
1272	10.91	14.52	10.07	-	21.53	61.97
1281	10.95	14.46	10.07	-	26.83	35.01
1431	15.69	13.93	9.1	-	26.41	23.37
1440	18.39	13.93	9.13	-	25.12	21.26
1464	15.79	13.27	9.16	-	27.22	34.78
1473	15.64	13.32	9.15	-	26.7	29.54
2235	22.81	11.79	11.09	-	97.33	48.87
2244	22.84	11.84	11.22	-	81.29	59.45
2268	22.9	12.26	11.21	-	82.27	64.33
2277	22.95	11.84	11.21	-	87.12	126.76
2355	23.28	11.83	11.33	-	85.19	50.54
2364	23.64	11.99	11.35	-	67.79	58.3
2388	23.43	12.12	11.47	-	89.29	53.19
2397	23.48	12.07	13.75	-	83.58	84.92
3543	36.26	36.27	26.02	-	191.29	191.29
3552	36.265	36.15	25.97	-	222.44	204.81
3576	36.335	36.28	26.04	-	8000	167.55
3585	8000	36.29	26.04	-	256.72	260.01
3663	8000	36.68	26.3	-	145.34	198.61
3672	8000	36.64	26.31	-	286.12	155.97
3696	8000	36.8	33.48	-	334.13	215.96
3705	8000	36.67	26.37	-	230.15	212.64
4155	-	39.03	23.39	-	245.02	211.44
4164	-	39.11	22.45	-	260.955	93.69
4188	-	39.08	23.37	-	195.6	212.21
4197	-	39.09	22.5	-	189.25	219.52
4275	-	39.41	23.51	-	229.96	171.57
4284	-	39.39	23.53	-	239.74	228.86
4308	-	32.33	23.51	-	317.99	222.47
4317	-	39.3	23.54	-	229.29	163.89
6255	-	30.92	26.57	-	8000	325.79
6264	-	30.46	26.49	-	8000	226.18

**Pebbling formulas, Gilbert-Tarjan graphs, substitution neq 3  
shuffle, preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
33	5.57	5.57	5.57	5.57	5.57	5.57
63	5.57	5.57	5.57	17.92	5.57	5.57
123	5.84	5.84	5.84	125.91	5.84	5.84
132	5.84	5.84	5.84	83.68	5.84	5.84
228	6.71	6.07	6.07	8000	6.07	6.07
237	8.48	6.05	6.05	8000	6.05	6.05
405	9.47	6.72	6.49	8000	12.21	8.1
414	9.38	6.72	6.48	-	12.35	7.95
456	9.7	6.63	6.63	-	8.57	6.63
465	9.7	6.62	6.62	-	8.86	6.62
747	16.68	7.43	7.43	-	12.88	8.34
756	16.58	7.42	7.42	-	12.82	8.31
780	16.66	7.43	7.43	-	13.39	8.33
789	16.89	7.81	7.81	-	13.18	11.77
1239	22.41	16.03	9.58	-	32.23	28.04
1248	22.42	16.07	9.52	-	32.08	28.05
1272	22.37	16.12	9.67	-	30.73	28.51
1281	22.59	16.34	9.62	-	30.8	20.03
1431	24.72	11.72	9.38	-	30.43	20.04
1440	23.94	14.5	9.39	-	31.29	20.26
1464	24.24	14.69	9.39	-	30.96	28.11
1473	24.36	11.72	9.39	-	31.1	27.7
2235	8000	11.83	11.66	-	48.78	29.16
2244	8000	11.83	11.67	-	47.92	30.73
2268	8000	11.85	11.68	-	48.66	29.48
2277	-	12.18	11.68	-	50.72	29.29
2355	-	11.85	11.82	-	50.9	31.54
2364	-	12.11	11.92	-	51.17	44.2
2388	-	12.13	13.84	-	48.63	31.05
2397	-	12.18	13.88	-	48.37	43.5
3543	-	38.48	22.77	-	124.19	108.46
3552	-	38.73	22.82	-	123.5	109.35
3576	-	39.15	22.77	-	117.79	107.85
3585	-	38.79	22.77	-	118.4	109.95
3663	-	39.52	22.97	-	124.15	71.42
3672	-	39.02	23.0	-	118.95	78.21
3696	-	39.79	22.98	-	117.7	75.09
3705	-	38.96	23.28	-	123.85	76.14
4155	-	28.82	22.58	-	116.89	71.05
4164	-	28.48	22.44	-	117.19	70.98



**Pebbling formulas, Gilbert-Tarjan graphs, substitution neq 3  
shuffle, preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
456	6.63	6.63	6.63	8000	6.63	6.63
465	6.62	6.62	6.62	8000	7.13	6.62
747	8.08	7.43	7.43	8000	10.98	12.38
756	9.58	7.42	7.42	-	12.68	10.46
780	9.92	7.43	7.43	-	12.55	9.71
789	9.24	7.81	7.81	-	9.57	12.41
1239	10.85	14.36	10.1	-	43.04	23.12
1248	10.86	13.54	10.12	-	37.73	29.33
1272	10.93	14.5	10.07	-	23.3	38.47
1281	10.94	14.63	10.14	-	30.45	81.9
1431	15.72	13.23	9.38	-	24.21	23.61
1440	18.39	13.96	9.39	-	24.49	29.49
1464	15.58	13.32	9.39	-	29.37	31.04
1473	15.61	13.37	9.39	-	26.98	27.02
2235	22.82	11.83	11.66	-	115.32	48.59
2244	22.86	11.83	11.67	-	59.56	39.32
2268	22.91	11.85	11.68	-	84.7	121.3
2277	22.91	12.18	11.68	-	87.23	76.01
2355	23.46	11.85	11.82	-	62.78	68.8
2364	23.37	12.11	11.92	-	62.42	90.25
2388	23.46	12.13	13.84	-	79.35	68.91
2397	23.47	12.18	13.88	-	69.28	55.05
3543	8000	36.31	25.98	-	279.855	159.86
3552	8000	36.26	26.09	-	222.0	221.7
3576	8000	36.35	26.11	-	8000	178.41
3585	8000	36.32	26.11	-	219.97	166.51
3663	8000	36.65	26.37	-	170.08	208.07
3672	8000	36.75	26.39	-	294.58	55.61
3696	-	36.79	26.43	-	250.92	159.36
3705	-	36.69	33.52	-	211.38	312.7
4155	-	39.02	22.58	-	277.195	337.54
4164	-	39.1	22.44	-	265.81	244.24
4188	-	39.34	23.48	-	8000	216.45
4197	-	39.06	22.66	-	8000	224.02
4275	-	39.44	23.52	-	189.23	131.0
4284	-	39.48	23.52	-	337.81	236.41
4308	-	39.49	23.57	-	249.91	66.61
4317	-	39.58	23.57	-	327.99	163.76
6255	-	30.55	26.6	-	8000	205.02
6264	-	30.69	26.86	-	8000	240.78

**Pebbling formulas, pyramid graphs, substitution neq 3**  
**no shuffle, no preprocessing, no clause removal**  
**memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
30	5.43	5.43	5.43	5.43	5.43	5.43
84	5.43	5.43	5.43	17.09	5.43	5.43
165	5.43	5.43	5.43	80.87	5.43	5.43
273	5.43	5.43	5.43	8000	5.43	5.43
408	7.99	5.43	5.43	8000	5.43	5.43
570	7.96	5.43	5.43	8000	7.25	6.96
759	12.33	5.43	5.46	8000	11.65	7.05
975	12.25	5.79	8.01	-	11.14	11.46
1218	12.39	5.89	8.08	-	18.36	17.57
1488	19.73	8.65	12.16	-	23.41	18.64
1785	19.91	8.84	12.27	-	23.67	23.05
2109	20.11	13.12	12.23	-	23.78	23.11
2460	20.28	13.64	19.1	-	32.68	29.75
2838	25.0	13.69	19.12	-	37.07	29.75
3243	26.07	13.74	19.14	-	38.12	45.34
3675	27.57	21.1	18.95	-	53.54	45.82
4134	29.07	21.53	23.16	-	54.84	48.75
4620	30.38	21.55	24.21	-	58.26	51.09
5133	40.16	21.64	24.94	-	60.85	52.61
5673	41.52	22.16	26.77	-	83.92	75.43
6240	43.18	28.09	34.98	-	90.23	76.61
6834	8000	29.19	37.14	-	92.84	82.0
7455	8000	30.75	38.17	-	99.05	118.28
8103	8000	32.63	40.21	-	132.25	119.07
8778	-	34.17	41.27	-	134.38	119.94
9480	-	36.32	43.08	-	140.08	126.38
10209	-	44.68	57.25	-	143.02	128.04
10965	-	46.48	58.85	-	147.52	131.13
11748	-	48.26	60.16	-	155.27	136.91
12558	-	50.82	63.2	-	218.12	195.83
13395	-	52.58	65.18	-	219.36	198.94
14259	-	54.53	69.24	-	225.5	204.51
15150	-	57.34	70.36	-	228.91	204.84
16068	-	70.35	90.06	-	238.89	213.4
17013	-	72.96	91.82	-	243.84	302.6
17985	-	75.8	95.55	-	249.09	306.85
18984	-	78.32	97.81	-	336.82	307.0
20010	-	80.55	101.04	-	340.44	314.46
21063	-	82.84	102.88	-	8000	316.09
22143	-	85.29	108.2	-	8000	322.84

**Pebbling formulas, pyramid graphs, substitution neq 3  
no shuffle, no preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
30	5.43	5.43	5.43	5.43	5.43	5.43
63	5.43	5.43	5.43	5.43	5.43	5.43
108	5.43	5.43	5.43	9.84	5.43	5.43
165	5.43	5.43	5.43	31.69	5.43	5.43
234	5.43	5.43	5.43	8000	5.43	5.43
315	5.43	5.43	5.43	8000	5.43	5.43
408	5.43	5.43	5.43	8000	5.43	5.43
513	5.43	5.43	5.43	-	5.43	5.43
630	6.97	5.43	5.43	-	6.97	6.21
759	7.4	5.43	7.07	-	7.74	7.1
900	9.16	5.73	6.97	-	10.55	9.26
1053	10.99	5.84	8.02	-	10.66	10.59
1218	11.57	5.89	8.22	-	13.85	13.25
1395	10.24	8.59	8.55	-	16.28	10.72
1584	15.95	8.7	12.17	-	16.53	25.5
1785	17.82	8.84	12.27	-	19.93	18.94
1998	15.76	8.85	12.33	-	35.98	20.85
2223	15.88	13.27	12.18	-	36.31	27.77
2460	20.29	13.64	19.1	-	77.88	64.98
2709	23.82	13.64	19.14	-	34.35	24.43
2970	22.56	13.69	19.07	-	44.62	31.07
3243	24.98	13.74	19.14	-	58.15	49.9
3528	29.41	20.73	19.02	-	64.98	81.12
3825	30.71	21.22	23.37	-	51.95	67.06
4134	32.33	21.53	23.16	-	97.52	83.7
4455	33.6	21.44	23.22	-	100.5	163.42
4788	34.83	21.64	24.38	-	101.44	85.4
5133	38.83	21.64	24.94	-	166.32	184.54
5490	40.75	21.9	26.31	-	187.75	172.92
5859	41.78	26.88	27.04	-	176.65	162.24
6240	43.18	28.09	34.98	-	90.22	159.51
6633	8000	28.76	36.91	-	153.2	192.63
7038	8000	29.6	37.41	-	203.01	162.45
7455	8000	30.75	38.17	-	8000	273.25
7884	-	31.68	39.14	-	152.66	293.67
8325	-	33.21	40.25	-	157.25	268.07
8778	-	34.17	41.27	-	216.95	217.58
9243	-	35.19	42.23	-	126.43	347.75
9720	-	43.8	54.94	-	197.66	363.02
10209	-	44.68	57.25	-	8000	355.52

**Pebbling formulas, pyramid graphs, substitution neq 3  
shuffle, no preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
30	5.43	5.43	5.43	5.43	5.43	5.43
84	5.43	5.43	5.43	17.08	5.43	5.43
165	5.43	5.43	5.43	88.38	5.43	5.43
273	5.43	5.43	5.43	8000	5.43	5.43
408	8.0	5.43	5.43	8000	5.43	5.43
570	7.96	5.43	5.43	8000	7.27	7.5
759	12.31	5.68	5.44	8000	11.56	11.28
975	12.2	5.77	7.96	-	11.16	11.39
1218	12.39	5.88	8.0	-	18.39	18.46
1488	19.77	8.63	7.9	-	23.43	18.5
1785	19.95	8.85	12.23	-	23.59	22.22
2109	20.1	13.05	12.1	-	31.01	22.23
2460	20.29	13.59	18.96	-	32.93	22.52
2838	25.02	13.68	18.93	-	37.18	30.0
3243	25.85	13.71	18.98	-	50.6	32.83
3675	27.48	21.01	18.81	-	53.36	45.66
4134	28.9	21.46	22.93	-	54.9	48.87
4620	30.54	21.56	24.02	-	57.94	49.0
5133	40.1	21.63	24.84	-	61.07	71.69
5673	41.21	21.79	26.46	-	88.08	76.02
6240	8000	27.78	34.91	-	90.06	78.05
6834	8000	28.91	36.9	-	92.85	82.04
7455	8000	30.32	38.04	-	99.12	117.9
8103	8000	32.24	39.84	-	132.49	119.09
8778	-	33.82	40.7	-	135.15	122.66
9480	-	35.87	43.0	-	139.77	124.0
10209	-	44.19	56.96	-	144.3	126.12
10965	-	45.98	58.66	-	147.83	131.79
11748	-	47.65	60.11	-	155.3	138.14
12558	-	50.14	62.73	-	215.69	195.42
13395	-	52.0	64.47	-	222.37	200.74
14259	-	53.84	68.89	-	226.56	204.02
15150	-	56.66	70.03	-	231.68	209.76
16068	-	69.62	90.05	-	238.23	214.83
17013	-	71.94	91.28	-	244.11	301.48
17985	-	75.01	95.16	-	248.05	307.02
18984	-	77.39	97.95	-	256.27	313.77
20010	-	79.47	100.42	-	8000	312.52
21063	-	81.88	102.27	-	8000	316.77
22143	-	8000	107.32	-	8000	336.77

**Pebbling formulas, pyramid graphs, substitution neq 3  
shuffle, no preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
30	5.43	5.43	5.43	5.43	5.43	5.43
63	5.43	5.43	5.43	5.43	5.43	5.43
108	5.43	5.43	5.43	8.34	5.43	5.43
165	5.43	5.43	5.43	32.2	5.43	5.43
234	5.43	5.43	5.43	8000	5.43	5.43
315	5.43	5.43	5.43	8000	5.43	5.43
408	5.43	5.43	5.43	8000	5.43	5.43
513	5.43	5.43	5.43	-	5.43	5.43
630	6.97	5.43	5.43	-	6.95	5.92
759	7.4	5.68	5.44	-	8.75	7.11
900	9.17	5.71	6.95	-	10.6	8.71
1053	11.0	5.85	8.0	-	10.61	10.23
1218	11.57	5.88	8.21	-	12.86	10.7
1395	10.24	8.55	8.58	-	16.39	17.68
1584	17.13	8.69	12.12	-	19.34	15.86
1785	17.78	8.85	12.23	-	19.93	23.17
1998	18.4	8.82	12.79	-	29.09	36.3
2223	15.87	13.2	12.12	-	25.21	18.41
2460	20.34	13.59	18.96	-	66.88	30.11
2709	23.8	13.62	19.08	-	32.84	53.18
2970	22.51	13.68	18.91	-	45.64	33.77
3243	23.66	13.71	18.98	-	52.52	91.95
3528	29.34	20.59	18.77	-	65.16	55.28
3825	30.71	21.12	23.33	-	51.92	48.62
4134	32.32	21.46	22.93	-	97.39	94.14
4455	33.56	21.44	23.0	-	104.53	134.05
4788	34.8	21.67	24.25	-	102.1	175.91
5133	38.73	21.63	24.84	-	140.97	168.12
5490	40.89	21.79	26.21	-	169.84	138.1
5859	41.795	26.61	27.04	-	175.18	183.44
6240	8000	27.78	34.91	-	90.42	186.37
6633	8000	28.46	36.67	-	152.85	241.24
7038	8000	29.29	37.03	-	203.64	363.74
7455	8000	30.32	38.04	-	8000	349.62
7884	-	31.32	38.75	-	167.66	274.82
8325	-	32.69	40.23	-	157.41	356.72
8778	-	33.82	40.7	-	221.875	222.71
9243	-	34.71	42.25	-	128.17	176.55
9720	-	43.32	56.32	-	194.43	458.72
10209	-	44.19	56.96	-	8000	217.69

**Pebbling formulas, pyramid graphs, substitution neq 3  
no shuffle, preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
30	5.44	5.44	5.44	5.44	5.44	5.44
84	5.57	5.57	5.57	17.94	5.57	5.57
165	5.84	5.84	5.84	75.77	5.84	5.84
273	6.06	6.06	6.06	8000	6.06	6.06
408	6.46	6.46	6.46	8000	6.46	6.46
570	7.44	6.95	6.95	8000	6.95	6.95
759	9.59	7.36	7.36	8000	8.84	7.36
975	10.66	8.02	8.02	-	9.88	8.66
1218	11.45	8.33	8.33	-	14.51	12.32
1488	15.39	9.21	9.21	-	20.44	12.68
1785	16.5	9.77	9.77	-	22.62	14.03
2109	17.56	11.15	11.15	-	23.22	20.7
2460	18.72	11.86	14.08	-	32.66	28.82
2838	24.45	12.37	14.91	-	35.27	31.11
3243	26.2	13.21	16.3	-	50.43	33.36
3675	27.5	17.02	17.3	-	53.11	48.29
4134	29.23	18.26	22.45	-	55.68	48.73
4620	30.55	19.17	24.33	-	57.74	50.8
5133	40.2	20.49	25.05	-	61.06	71.61
5673	41.59	23.71	26.71	-	87.66	75.74
6240	43.055	27.94	35.15	-	90.3	76.42
6834	8000	28.91	37.21	-	93.48	80.34
7455	8000	30.55	38.05	-	99.71	118.15
8103	8000	32.44	40.15	-	132.63	120.01
8778	-	37.16	41.16	-	137.14	121.98
9480	-	38.05	42.95	-	139.73	125.89
10209	-	44.38	57.39	-	144.49	128.88
10965	-	46.16	58.78	-	147.74	137.11
11748	-	47.89	60.94	-	155.58	137.22
12558	-	50.47	63.22	-	216.16	197.73
13395	-	52.39	65.21	-	221.23	200.27
14259	-	59.45	66.78	-	224.32	205.25
15150	-	60.6	70.48	-	232.11	204.83
16068	-	69.94	91.04	-	242.36	216.02
17013	-	72.32	91.85	-	243.92	217.67
17985	-	75.36	95.78	-	249.55	300.33
18984	-	77.75	99.04	-	257.16	306.64
20010	-	80.0	101.59	-	8000	314.46
21063	-	82.35	103.37	-	8000	320.11
22143	-	84.66	108.42	-	8000	317.71

**Pebbling formulas, pyramid graphs, substitution neq 3  
no shuffle, preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
30	5.44	5.44	5.44	5.44	5.44	5.44
63	5.57	5.57	5.57	5.57	5.57	5.57
108	5.57	5.57	5.57	8.64	5.57	5.57
165	5.84	5.84	5.84	31.92	5.84	5.84
234	6.06	6.06	6.06	8000	6.06	6.06
315	6.18	6.18	6.18	8000	6.18	6.18
408	6.46	6.46	6.46	8000	6.46	6.46
513	6.95	6.95	6.95	-	6.95	6.95
630	7.08	7.08	7.08	-	7.08	7.08
759	7.36	7.36	7.36	-	8.15	7.36
900	8.86	7.89	7.89	-	9.48	8.99
1053	10.22	8.02	8.02	-	9.67	12.29
1218	10.74	8.33	8.33	-	17.45	12.22
1395	11.12	9.07	9.07	-	17.72	16.88
1584	15.95	9.32	10.82	-	24.93	14.24
1785	16.51	9.77	9.77	-	25.47	24.43
1998	17.02	10.02	12.85	-	23.98	36.09
2223	15.45	11.42	11.42	-	28.65	39.59
2460	18.82	11.86	14.08	-	61.08	23.89
2709	23.8	12.11	14.68	-	41.98	30.38
2970	22.57	12.59	15.27	-	39.31	35.96
3243	23.77	13.21	16.3	-	53.16	77.86
3528	28.9	16.48	16.79	-	64.99	57.88
3825	30.8	17.7	21.91	-	59.33	66.75
4134	32.38	18.26	22.45	-	97.38	157.73
4455	33.64	18.86	23.2	-	119.38	114.8
4788	34.74	19.57	24.52	-	102.19	167.66
5133	38.93	20.49	25.05	-	137.26	167.09
5490	41.03	23.58	26.31	-	174.91	182.26
5859	41.95	26.68	27.07	-	147.73	182.7
6240	43.2	27.94	35.15	-	93.7	196.69
6633	8000	28.55	36.88	-	226.14	279.96
7038	8000	29.38	37.41	-	244.18	191.91
7455	8000	30.55	38.05	-	8000	277.32
7884	-	31.49	39.17	-	152.45	372.33
8325	-	32.88	40.3	-	162.265	268.48
8778	-	37.16	41.16	-	229.82	297.41
9243	-	37.8	42.52	-	129.9	365.29
9720	-	43.51	56.86	-	8000	281.03
10209	-	44.38	57.39	-	196.29	357.47

**Pebbling formulas, pyramid graphs, substitution neq 3  
shuffle, preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
30	5.44	5.44	5.44	5.44	5.44	5.44
84	5.57	5.57	5.57	17.94	5.57	5.57
165	5.84	5.84	5.84	75.55	5.84	5.84
273	6.15	6.15	6.15	8000	6.15	6.15
408	6.51	6.51	6.51	8000	6.51	6.51
570	7.15	7.02	7.02	8000	7.02	7.02
759	9.7	7.42	7.42	8000	8.46	7.42
975	10.66	8.08	8.08	-	12.59	9.07
1218	11.52	8.43	8.43	-	13.89	12.19
1488	15.19	9.44	9.44	-	20.23	13.5
1785	16.46	9.89	9.89	-	22.46	18.88
2109	17.44	11.44	11.44	-	23.23	20.67
2460	18.82	12.11	13.98	-	32.39	21.22
2838	24.27	12.7	14.94	-	35.39	32.05
3243	26.14	13.34	16.16	-	50.44	33.29
3675	27.53	16.94	17.17	-	53.17	33.79
4134	28.92	18.2	22.46	-	54.34	50.2
4620	30.43	19.12	24.11	-	58.74	50.66
5133	40.16	20.38	24.85	-	61.46	52.7
5673	41.32	24.42	26.53	-	84.3	75.22
6240	43.06	27.82	34.89	-	91.76	79.59
6834	8000	28.84	36.88	-	93.65	81.23
7455	8000	30.43	38.16	-	130.05	114.73
8103	8000	32.27	39.68	-	131.63	119.69
8778	-	38.09	41.22	-	137.67	122.36
9480	-	39.02	43.04	-	141.4	125.96
10209	-	44.28	56.91	-	144.62	126.86
10965	-	46.04	58.51	-	147.6	131.73
11748	-	47.79	60.34	-	155.38	137.84
12558	-	50.26	62.66	-	218.77	196.47
13395	-	52.05	64.95	-	223.48	201.19
14259	-	60.82	68.88	-	225.31	205.84
15150	-	62.12	70.09	-	232.72	215.51
16068	-	69.74	90.18	-	234.3	215.29
17013	-	72.05	91.88	-	243.79	219.01
17985	-	74.99	95.38	-	248.25	306.19
18984	-	77.41	97.61	-	297.6	310.77
20010	-	79.61	100.65	-	8000	315.34
21063	-	81.93	106.47	-	8000	320.04
22143	-	84.36	107.6	-	8000	340.69



**Pebbling formulas, pyramid graphs, substitution neq 3  
shuffle, preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
30	5.44	5.44	5.44	5.44	5.44	5.44
63	5.57	5.57	5.57	5.57	5.57	5.57
108	5.57	5.57	5.57	6.92	5.57	5.57
165	5.84	5.84	5.84	34.09	5.84	5.84
234	6.05	6.05	6.05	8000	6.05	6.05
315	6.18	6.18	6.18	8000	6.18	6.18
408	6.51	6.51	6.51	8000	6.51	6.51
513	7.0	7.0	7.0	-	7.0	7.0
630	7.16	7.16	7.16	-	7.16	7.16
759	7.42	7.42	7.42	-	7.42	7.42
900	8.87	7.91	7.91	-	9.45	9.02
1053	10.24	8.16	8.16	-	9.7	9.22
1218	10.71	8.43	8.43	-	17.16	16.65
1395	11.12	9.23	9.23	-	17.83	11.26
1584	15.91	9.6	10.8	-	16.03	25.7
1785	16.52	9.89	9.89	-	23.08	19.16
1998	17.0	10.16	10.16	-	23.76	30.62
2223	15.4	11.66	11.66	-	28.63	34.59
2460	18.81	12.11	13.98	-	59.7	72.41
2709	23.8	12.46	14.68	-	37.64	35.19
2970	22.55	12.82	15.09	-	44.7	35.84
3243	23.7	13.34	16.16	-	58.13	55.09
3528	28.89	16.46	16.51	-	64.97	69.42
3825	30.76	17.31	21.79	-	52.12	96.87
4134	32.38	18.2	22.46	-	99.39	39.02
4455	33.57	18.76	22.91	-	102.5	84.68
4788	34.77	19.44	24.29	-	102.5	179.9
5133	38.84	20.38	24.85	-	140.59	165.42
5490	40.96	24.18	26.02	-	182.12	160.57
5859	41.88	26.57	34.11	-	131.68	166.92
6240	43.06	27.82	34.89	-	94.55	203.25
6633	8000	28.51	36.65	-	144.54	155.56
7038	8000	29.28	37.16	-	209.42	206.2
7455	8000	30.43	38.16	-	101.21	350.7
7884	-	31.3	38.97	-	169.05	296.92
8325	-	32.76	40.29	-	153.48	277.5
8778	-	38.09	41.22	-	229.4	268.73
9243	-	38.75	42.59	-	138.855	271.3
9720	-	43.36	56.38	-	200.03	361.75
10209	-	44.28	56.91	-	197.43	357.0

**Pebbling formulas, width 2 chain graphs, substitution neq 3  
no shuffle, no preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
27	5.43	5.43	5.43	5.43	5.43	5.43
51	5.43	5.43	5.43	17.91	5.43	5.43
75	5.43	5.43	5.43	79.84	5.43	5.43
99	7.75	5.43	5.43	141.7	5.43	5.43
123	7.77	5.43	5.43	8000	5.43	5.43
147	11.73	5.43	5.43	8000	5.43	5.43
171	11.84	5.43	5.43	8000	5.43	5.43
195	11.8	5.43	5.43	8000	7.08	5.43
219	18.71	5.43	5.43	-	7.16	7.0
243	18.77	5.43	5.43	-	7.18	6.99
267	18.51	5.43	5.43	-	11.27	6.98
291	18.53	5.43	5.43	-	11.47	11.31
315	18.62	5.43	5.43	-	18.23	11.3
339	22.79	5.43	5.43	-	11.48	11.21
363	23.91	5.43	5.43	-	17.52	11.15
387	24.3	5.43	5.43	-	17.5	18.09
411	25.18	5.43	7.69	-	17.62	18.13
435	25.81	7.94	7.73	-	18.36	22.4
459	26.68	7.96	7.77	-	22.69	22.5
483	28.15	7.88	7.79	-	22.02	18.09
507	28.36	7.89	7.41	-	22.77	22.47
531	36.53	7.86	7.37	-	22.75	22.41
555	37.27	7.87	7.46	-	31.32	22.47
579	38.84	7.93	11.82	-	32.48	22.45
603	39.36	7.94	11.78	-	32.43	18.19
627	40.82	12.24	7.62	-	32.1	30.33
651	40.67	11.98	11.84	-	32.77	30.41
675	43.3	12.15	11.81	-	34.26	30.29
699	43.71	12.2	11.78	-	35.64	30.55
723	43.79	12.04	11.8	-	37.02	30.09
747	8000	12.25	11.86	-	36.87	30.5
771	8000	12.02	11.81	-	51.22	31.74
795	8000	12.02	11.82	-	50.93	22.57
819	-	12.06	11.36	-	51.38	32.88
843	-	12.06	11.25	-	54.37	48.7
867	-	12.08	11.36	-	54.73	32.44
891	-	12.09	11.29	-	56.25	46.87
915	-	18.94	11.31	-	58.03	48.49
939	-	12.12	18.32	-	57.71	47.2
963	-	19.0	18.27	-	56.96	49.56

**Pebbling formulas, width 2 chain graphs, substitution neq 3  
no shuffle, no preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
45	5.43	5.43	5.43	5.43	5.43	5.43
87	5.43	5.43	5.43	8000	5.43	5.43
129	5.43	5.43	5.43	8000	5.43	5.43
171	5.43	5.43	5.43	8000	5.43	5.43
213	5.43	5.43	5.43	-	5.43	5.43
255	5.43	5.43	5.43	-	5.43	5.43
297	5.43	5.43	5.43	-	5.43	5.43
339	5.55	5.43	5.43	-	6.38	5.43
381	5.63	5.43	5.43	-	8.54	6.09
423	6.27	5.43	5.43	-	10.97	7.74
465	8.25	5.43	5.43	-	10.08	11.39
507	7.4	5.96	5.71	-	12.31	8.52
549	8.4	6.69	6.41	-	15.76	14.21
591	7.9	6.57	7.2	-	11.66	16.61
633	9.86	7.23	6.97	-	23.37	18.07
675	12.23	7.36	6.98	-	26.82	17.17
717	12.63	7.51	7.1	-	34.56	24.34
759	12.74	8.91	7.79	-	28.34	25.9
801	12.76	8.94	12.78	-	46.98	28.29
843	12.8	11.22	9.75	-	49.36	26.58
885	11.14	9.95	12.45	-	58.41	34.74
927	13.24	10.93	10.52	-	54.55	38.29
969	13.78	11.03	10.57	-	62.73	56.23
1011	14.1	11.12	10.54	-	90.96	20.99
1053	15.85	11.28	10.64	-	57.71	46.03
1095	14.88	12.01	10.76	-	74.81	60.59
1137	14.79	12.23	13.45	-	93.27	34.61
1179	15.03	13.37	12.63	-	100.63	55.82
1221	16.33	13.4	12.77	-	93.89	82.17
1263	16.43	13.56	13.73	-	92.18	99.26
1305	19.89	13.65	13.19	-	103.87	95.09
1347	17.62	14.49	13.85	-	105.86	86.84
1389	20.49	17.11	19.12	-	143.495	62.36
1431	20.73	17.09	16.1	-	8000	57.53
1473	20.16	17.34	16.29	-	155.81	97.17
1515	27.16	17.39	16.44	-	8000	84.92
1557	27.64	17.7	16.7	-	8000	83.72
1599	27.81	17.9	16.66	-	88.19	76.21
1641	27.96	17.99	16.76	-	8000	176.43
1683	28.12	18.1	16.89	-	8000	94.86

**Pebbling formulas, width 2 chain graphs, substitution neq 3  
shuffle, no preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
27	5.43	5.43	5.43	5.43	5.43	5.43
51	5.43	5.43	5.43	17.55	5.43	5.43
75	5.43	5.43	5.43	82.72	5.43	5.43
99	7.73	5.43	5.43	142.41	5.43	5.43
123	7.6	5.43	5.43	8000	5.43	5.43
147	11.65	5.43	5.43	8000	5.43	5.43
171	11.77	5.43	5.43	8000	5.43	5.43
195	11.81	5.43	5.43	-	5.43	5.43
219	11.81	5.43	5.43	-	7.43	5.43
243	18.77	5.43	5.43	-	7.45	7.38
267	18.84	5.43	5.43	-	10.47	7.37
291	18.57	5.43	5.43	-	10.55	7.39
315	22.92	5.43	5.43	-	11.51	11.18
339	22.87	5.43	5.43	-	18.26	11.29
363	22.81	5.43	5.43	-	18.28	11.16
387	24.29	5.43	5.43	-	18.3	11.1
411	24.79	5.43	7.34	-	18.34	18.09
435	25.82	7.93	7.34	-	18.41	18.09
459	26.32	7.98	7.44	-	22.67	18.15
483	35.91	7.85	7.77	-	22.02	17.44
507	35.96	7.84	7.5	-	22.77	17.45
531	37.18	7.89	7.45	-	22.74	21.66
555	37.13	7.84	7.49	-	24.0	21.82
579	39.17	7.91	11.75	-	32.36	21.79
603	39.35	7.95	11.88	-	32.32	21.86
627	40.12	12.1	11.88	-	32.84	30.72
651	41.42	12.14	11.86	-	32.65	22.53
675	43.19	12.16	11.72	-	33.38	30.29
699	44.23	12.23	11.82	-	36.5	30.65
723	8000	12.26	11.84	-	34.44	30.61
747	8000	12.24	11.85	-	38.59	31.7
771	8000	12.18	11.86	-	51.43	33.59
795	8000	12.03	11.85	-	38.33	30.75
819	8000	11.99	11.3	-	51.12	22.64
843	-	12.02	11.25	-	50.72	31.34
867	-	12.0	11.32	-	54.65	47.37
891	-	12.11	18.28	-	53.8	47.32
915	-	12.07	18.27	-	53.82	47.49
939	-	18.95	18.19	-	58.18	33.78
963	-	18.98	18.41	-	57.89	47.36

**Pebbling formulas, width 2 chain graphs, substitution neq 3  
shuffle, no preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
45	5.43	5.43	5.43	5.43	5.43	5.43
87	5.43	5.43	5.43	8000	5.43	5.43
129	5.43	5.43	5.43	8000	5.43	5.43
171	5.43	5.43	5.43	8000	5.43	5.43
213	5.43	5.43	5.43	8000	5.43	5.43
255	5.43	5.43	5.43	-	5.43	5.43
297	5.43	5.43	5.43	-	5.7	5.43
339	5.43	5.43	5.43	-	5.43	7.67
381	5.56	5.43	5.43	-	7.88	9.58
423	6.28	5.43	5.43	-	9.08	7.33
465	8.31	5.43	5.43	-	14.0	6.6
507	7.4	5.96	6.82	-	15.04	10.19
549	8.48	6.7	6.43	-	19.03	14.16
591	8.96	6.58	7.17	-	18.56	23.86
633	9.89	7.23	6.99	-	21.33	17.75
675	10.65	7.31	7.0	-	23.0	23.21
717	12.58	7.5	7.12	-	33.77	22.27
759	12.64	8.96	7.92	-	37.93	18.42
801	12.77	10.45	9.38	-	46.07	20.0
843	11.41	11.21	9.88	-	47.12	26.43
885	13.74	9.98	9.54	-	58.21	40.25
927	13.95	10.96	10.48	-	50.93	36.11
969	13.84	11.03	10.51	-	81.31	46.62
1011	14.05	11.11	10.56	-	76.99	32.59
1053	14.07	11.23	10.67	-	85.11	58.48
1095	15.8	11.52	10.8	-	89.96	44.42
1137	16.37	11.73	10.99	-	76.8	38.12
1179	14.97	13.52	12.69	-	100.12	81.0
1221	16.29	13.64	12.86	-	111.8	76.64
1263	19.82	13.43	13.83	-	92.76	74.88
1305	19.93	13.28	14.07	-	110.32	75.19
1347	17.57	14.41	13.81	-	111.05	58.71
1389	20.36	17.12	18.07	-	100.62	51.14
1431	20.58	17.13	16.27	-	8000	81.61
1473	20.66	17.39	16.38	-	150.16	108.14
1515	27.14	17.37	16.39	-	8000	84.24
1557	27.61	17.64	16.73	-	8000	134.39
1599	27.78	17.86	16.65	-	115.14	72.99
1641	27.93	17.96	16.75	-	8000	116.63
1683	28.05	18.1	17.02	-	8000	129.41

**Pebbling formulas, width 2 chain graphs, substitution neq 3  
no shuffle, preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
27	5.44	5.44	5.44	5.44	5.44	5.44
51	5.57	5.57	5.57	11.39	5.57	5.57
75	5.57	5.57	5.57	71.58	5.57	5.57
99	5.57	5.57	5.57	144.4	5.57	5.57
123	6.94	5.84	5.84	8000	5.84	5.84
147	7.52	5.84	5.84	8000	5.84	5.84
171	10.02	5.84	5.84	8000	5.84	5.84
195	10.45	5.93	5.93	8000	5.93	5.93
219	14.11	6.05	6.05	-	6.05	6.05
243	14.37	6.05	6.05	-	6.08	6.06
267	15.4	6.05	6.05	-	7.93	6.05
291	15.91	6.33	6.33	-	8.31	7.99
315	17.17	6.33	6.33	-	9.33	7.83
339	22.86	6.33	6.33	-	9.34	8.77
363	22.77	6.42	6.42	-	13.08	11.76
387	24.21	6.46	6.46	-	13.75	12.97
411	24.48	6.46	6.46	-	13.95	6.46
435	25.74	6.46	6.46	-	20.04	13.95
459	26.37	6.64	6.64	-	19.85	13.14
483	26.77	6.88	6.88	-	20.95	18.59
507	28.58	6.88	6.88	-	21.29	13.54
531	28.64	6.89	6.88	-	21.68	19.66
555	36.88	7.22	6.88	-	31.2	21.38
579	37.81	7.22	7.0	-	22.59	20.25
603	38.45	7.52	8.47	-	32.61	19.56
627	39.71	9.34	8.6	-	32.36	21.12
651	39.7	9.5	8.62	-	36.4	20.41
675	41.4	9.6	9.23	-	32.45	30.72
699	43.21	9.89	9.29	-	34.35	30.48
723	43.86	10.43	9.22	-	35.43	30.58
747	44.13	9.96	9.56	-	48.66	30.79
771	44.87	10.78	9.46	-	51.51	35.93
795	8000	10.7	9.5	-	51.04	30.47
819	8000	10.84	9.88	-	36.02	30.57
843	8000	11.17	9.81	-	54.1	32.02
867	8000	11.14	9.91	-	53.32	47.23
891	-	11.11	10.14	-	52.99	47.52
915	-	11.62	12.95	-	54.84	47.3
939	-	11.57	10.23	-	57.39	46.54
963	-	14.63	13.66	-	59.76	46.89

**Pebbling formulas, width 2 chain graphs, substitution neq 3  
no shuffle, preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
45	5.57	5.57	5.57	5.57	5.57	5.57
87	5.73	5.73	5.73	8000	5.73	5.73
129	5.84	5.84	5.84	8000	5.84	5.84
171	5.84	5.84	5.84	8000	5.84	5.84
213	6.05	6.05	6.05	-	6.05	6.05
255	6.05	6.05	6.05	-	6.05	6.05
297	6.33	6.33	6.33	-	6.33	6.33
339	6.33	6.33	6.33	-	6.33	6.33
381	6.46	6.46	6.46	-	7.46	6.46
423	6.46	6.46	6.46	-	9.36	7.37
465	8.25	6.88	6.88	-	14.21	9.86
507	8.01	6.88	6.88	-	14.93	13.12
549	8.06	7.51	7.26	-	21.66	9.37
591	8.21	7.0	7.0	-	17.18	18.27
633	9.04	7.0	7.98	-	19.74	24.24
675	11.69	7.13	8.25	-	23.68	20.41
717	11.82	7.27	7.27	-	30.06	27.7
759	12.32	7.65	8.84	-	43.1	31.38
801	11.43	8.72	9.42	-	39.57	24.41
843	12.63	9.97	9.56	-	41.04	42.39
885	12.65	10.01	9.47	-	54.12	37.32
927	12.7	10.09	12.2	-	40.06	51.8
969	12.75	10.17	9.86	-	71.62	44.75
1011	14.89	10.25	12.26	-	39.11	24.35
1053	14.98	10.43	12.36	-	63.62	66.82
1095	14.94	10.6	12.73	-	100.8	62.28
1137	16.22	10.74	13.43	-	94.81	71.95
1179	15.52	12.47	13.62	-	102.52	46.53
1221	15.72	12.73	13.59	-	76.36	46.45
1263	15.75	12.84	14.82	-	142.52	66.91
1305	18.67	13.96	13.18	-	112.18	106.89
1347	20.07	14.54	13.78	-	138.435	166.36
1389	20.09	15.64	14.9	-	154.07	88.03
1431	20.21	15.78	14.93	-	104.36	112.38
1473	20.36	15.86	15.16	-	8000	102.64
1515	23.17	16.01	15.1	-	8000	123.86
1557	26.05	16.43	15.45	-	8000	181.64
1599	26.23	16.45	16.5	-	131.59	107.03
1641	26.39	16.57	15.66	-	8000	76.29
1683	28.2	16.63	19.79	-	8000	81.84

**Pebbling formulas, width 2 chain graphs, substitution neq 3  
shuffle, preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
27	5.57	5.57	5.57	5.57	5.57	5.57
51	5.57	5.57	5.57	11.42	5.57	5.57
75	5.57	5.57	5.57	55.38	5.57	5.57
99	7.7	5.7	5.7	133.55	5.7	5.7
123	6.74	5.84	5.84	8000	5.84	5.84
147	9.32	5.84	5.84	8000	5.84	5.84
171	10.16	5.97	5.97	8000	5.97	5.97
195	10.4	6.05	6.05	-	6.05	6.05
219	11.24	6.07	6.07	-	6.07	6.07
243	14.54	6.16	6.16	-	6.16	6.16
267	15.51	6.22	6.22	-	6.3	7.9
291	16.18	6.33	6.33	-	8.44	6.33
315	17.84	6.48	6.48	-	9.23	6.48
339	17.55	6.48	6.48	-	12.79	8.96
363	23.68	6.51	6.51	-	13.93	9.01
387	24.05	6.49	6.49	-	13.77	9.01
411	24.78	6.6	6.6	-	13.86	9.23
435	25.86	6.64	6.64	-	13.79	12.95
459	26.31	6.76	6.76	-	20.03	13.79
483	26.62	7.0	7.0	-	21.64	13.09
507	28.42	7.02	7.02	-	22.78	13.75
531	28.56	7.05	7.05	-	23.38	19.83
555	36.47	7.23	7.08	-	21.8	18.32
579	37.07	7.27	7.09	-	23.13	20.99
603	37.74	7.27	7.11	-	31.19	30.19
627	39.4	7.6	8.53	-	32.43	21.67
651	39.79	9.64	8.74	-	32.91	21.34
675	40.79	9.55	9.42	-	32.8	30.49
699	41.21	9.76	9.27	-	32.84	31.73
723	43.73	10.05	9.28	-	32.91	30.76
747	44.155	10.36	9.43	-	36.98	30.36
771	44.42	10.46	9.71	-	35.01	45.41
795	8000	10.73	9.38	-	38.84	30.37
819	8000	10.96	9.94	-	51.33	32.9
843	8000	10.86	9.96	-	53.79	33.45
867	-	11.34	9.83	-	54.19	34.02
891	-	14.36	13.66	-	54.66	33.48
915	-	11.61	12.94	-	56.36	50.3
939	-	11.73	13.03	-	54.87	47.34
963	-	11.55	13.68	-	60.21	48.48



**Pebbling formulas, width 2 chain graphs, substitution neq 3  
shuffle, preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
45	5.57	5.57	5.57	5.57	5.57	5.57
87	5.57	5.57	5.57	8000	5.57	5.57
129	5.84	5.84	5.84	8000	5.84	5.84
171	5.97	5.97	5.97	8000	5.97	5.97
213	6.05	6.05	6.05	-	6.05	6.05
255	6.18	6.18	6.18	-	6.18	6.18
297	6.33	6.33	6.33	-	6.33	6.33
339	6.48	6.48	6.48	-	6.48	6.48
381	6.59	6.59	6.59	-	7.95	7.38
423	6.75	6.62	6.62	-	9.24	9.32
465	7.29	7.01	7.01	-	8.96	7.01
507	7.99	7.02	7.02	-	12.43	14.14
549	8.05	7.5	7.22	-	17.24	12.24
591	8.21	7.11	7.11	-	22.27	12.02
633	9.05	7.23	7.23	-	18.35	20.22
675	11.7	7.23	8.12	-	30.16	19.43
717	12.03	7.34	8.52	-	39.04	26.63
759	12.46	8.5	8.84	-	34.28	24.12
801	11.42	8.78	9.4	-	34.91	43.89
843	12.68	9.92	9.46	-	50.8	33.76
885	12.65	10.02	9.56	-	46.38	33.66
927	12.7	10.1	9.57	-	59.04	35.32
969	12.84	10.18	9.68	-	66.4	61.24
1011	15.16	10.25	12.2	-	67.93	61.46
1053	14.94	10.39	12.39	-	69.39	29.77
1095	15.11	10.77	12.95	-	89.65	69.35
1137	16.2	10.81	10.79	-	83.6	83.19
1179	15.45	10.91	13.59	-	89.93	77.48
1221	17.08	12.68	13.67	-	97.06	111.08
1263	17.28	12.82	13.81	-	112.8	78.05
1305	18.7	14.43	14.98	-	120.47	74.08
1347	20.02	14.5	14.91	-	152.51	95.99
1389	20.06	15.61	17.51	-	92.79	83.57
1431	20.08	15.7	15.11	-	8000	75.75
1473	20.36	15.89	15.1	-	148.7	108.9
1515	23.1	15.95	15.22	-	8000	150.98
1557	26.02	16.29	15.59	-	8000	136.01
1599	26.22	16.47	19.92	-	8000	136.25
1641	26.37	16.57	19.91	-	8000	170.55
1683	26.7	16.69	19.9	-	8000	95.83

**Pebbling formulas, width 5 chain graphs, substitution neq 3  
no shuffle, no preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
57	5.43	5.43	5.43	5.43	5.43	5.43
102	5.43	5.43	5.43	31.93	5.43	5.43
147	5.43	5.43	5.43	129.8	5.43	5.43
192	5.43	5.43	5.43	8000	5.43	5.43
237	7.58	5.43	5.43	8000	5.43	5.43
282	7.87	5.43	5.43	8000	5.43	5.43
327	11.56	5.43	5.43	8000	7.45	5.43
372	11.74	5.43	5.43	-	7.5	5.43
417	12.0	5.43	5.43	-	7.54	7.37
462	12.05	5.43	5.43	-	10.61	10.28
507	18.95	5.52	5.43	-	10.68	7.41
552	19.06	5.55	5.43	-	11.44	10.33
597	19.03	5.56	5.43	-	18.21	10.12
642	18.77	5.59	5.43	-	18.29	10.21
687	18.88	5.6	5.43	-	18.33	10.18
732	23.29	5.65	7.43	-	18.43	10.28
777	18.95	7.98	7.42	-	18.49	17.13
822	23.26	8.23	7.44	-	17.78	17.23
867	23.78	8.25	7.85	-	22.11	17.28
912	24.23	8.26	7.83	-	22.22	17.26
957	24.35	8.29	7.82	-	22.25	21.59
1002	25.77	8.3	7.82	-	22.26	17.25
1047	25.69	8.38	7.86	-	22.31	17.32
1092	26.61	8.41	11.25	-	22.44	21.7
1137	27.08	8.42	11.3	-	30.03	21.71
1182	28.78	8.45	11.31	-	29.68	21.67
1227	28.94	12.29	11.38	-	30.23	21.8
1272	29.3	12.39	11.4	-	30.93	21.89
1317	36.59	12.72	11.46	-	23.34	21.77
1362	38.0	12.67	11.32	-	31.28	28.81
1407	38.79	12.77	11.75	-	32.43	21.78
1452	38.89	12.73	11.89	-	32.95	21.89
1497	39.28	12.78	11.82	-	32.95	21.86
1542	40.57	12.86	11.95	-	34.42	21.96
1587	41.82	12.89	11.91	-	46.93	28.89
1632	41.21	12.91	11.95	-	47.61	21.88
1677	44.29	12.92	18.83	-	48.0	21.9
1722	42.07	12.96	18.77	-	48.74	21.96
1767	8000	12.95	18.8	-	48.26	28.95
1812	8000	12.98	18.84	-	50.41	29.97

**Pebbling formulas, width 5 chain graphs, substitution neq 3  
no shuffle, no preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
102	5.43	5.43	5.43	10.39	5.43	5.43
192	5.43	5.43	5.43	8000	5.43	5.43
282	5.43	5.43	5.43	8000	5.43	5.43
372	5.67	5.43	5.43	8000	5.43	5.43
462	5.67	5.43	5.43	-	5.76	5.62
552	8.23	5.43	5.43	-	9.71	5.79
642	8.11	7.2	6.95	-	11.16	8.04
732	9.18	7.43	7.0	-	10.52	9.39
822	11.05	6.6	6.64	-	12.22	9.14
912	11.12	7.25	9.44	-	16.71	10.22
1002	11.04	10.93	10.43	-	18.57	13.21
1092	12.03	11.34	10.64	-	17.84	13.43
1182	13.45	11.65	10.79	-	30.06	17.52
1272	15.04	11.92	10.98	-	37.05	13.71
1362	14.98	10.03	11.18	-	25.48	17.43
1452	17.33	12.73	11.89	-	49.35	22.1
1542	17.58	13.07	16.2	-	34.86	20.25
1632	18.27	13.43	11.95	-	58.15	20.17
1722	21.21	13.73	16.47	-	58.99	22.91
1812	24.37	13.98	16.66	-	86.05	20.69
1902	25.37	15.64	16.84	-	70.38	21.09
1992	27.07	15.79	17.38	-	81.14	32.68
2082	23.1	15.8	17.39	-	76.93	31.61
2172	26.24	20.06	18.78	-	143.99	33.76
2262	26.86	20.14	18.33	-	87.8	29.42
2352	26.91	20.31	18.4	-	214.48	85.34
2442	24.36	20.53	18.39	-	92.54	29.9
2532	35.83	20.45	18.4	-	155.7	30.28
2622	36.1	20.45	18.39	-	94.93	41.28
2712	8000	20.43	18.35	-	155.43	41.48
2802	8000	22.21	18.36	-	152.54	41.62
2892	8000	23.02	20.14	-	201.94	61.2
2982	8000	24.62	20.29	-	161.4	88.91
3072	-	23.42	20.52	-	216.57	90.74
3162	-	29.09	25.07	-	168.82	68.3
3252	-	29.3	25.26	-	214.86	80.39
3342	-	29.4	25.49	-	240.86	57.47
3432	-	29.46	25.93	-	165.64	62.06
3522	-	29.6	26.07	-	355.76	62.66
3612	-	29.8	26.34	-	225.62	62.97

**Pebbling formulas, width 5 chain graphs, substitution neq 3  
shuffle, no preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
57	5.43	5.43	5.43	5.43	5.43	5.43
102	5.43	5.43	5.43	47.84	5.43	5.43
147	5.43	5.43	5.43	140.39	5.43	5.43
192	5.43	5.43	5.43	8000	5.43	5.43
237	7.58	5.43	5.43	8000	5.43	5.43
282	7.6	5.43	5.43	8000	5.43	5.43
327	11.51	5.43	5.43	-	5.43	6.8
372	11.67	5.43	5.43	-	7.53	7.36
417	11.59	5.43	5.43	-	7.04	6.8
462	11.98	5.43	5.43	-	7.6	7.41
507	12.06	5.53	5.43	-	10.47	10.31
552	19.05	5.57	5.43	-	11.36	7.44
597	19.02	5.56	5.43	-	11.29	10.15
642	19.09	5.6	5.43	-	18.27	10.17
687	19.18	5.62	7.44	-	18.32	17.12
732	19.02	5.68	7.38	-	18.45	18.14
777	19.0	7.98	7.42	-	22.82	11.6
822	23.18	8.24	7.42	-	22.11	11.87
867	23.86	8.26	7.8	-	22.13	18.07
912	24.47	8.29	7.83	-	22.18	18.29
957	24.75	8.32	7.82	-	22.23	18.2
1002	25.12	8.33	7.8	-	22.3	21.64
1047	26.08	8.4	7.81	-	22.34	21.74
1092	26.76	8.45	11.23	-	22.45	22.63
1137	27.29	8.45	11.27	-	29.4	21.82
1182	28.88	8.47	11.32	-	22.55	22.66
1227	29.04	12.3	11.35	-	30.05	21.73
1272	36.68	12.33	11.4	-	29.84	22.73
1317	37.2	12.65	11.8	-	30.93	22.68
1362	37.58	12.68	11.81	-	31.07	29.71
1407	38.63	12.73	11.82	-	31.14	21.89
1452	39.77	12.83	11.88	-	33.39	24.75
1497	39.72	12.83	11.83	-	32.97	21.93
1542	40.34	12.95	11.96	-	34.49	22.82
1587	40.77	12.85	11.89	-	47.39	29.82
1632	41.165	12.92	11.94	-	46.86	32.11
1677	8000	13.03	11.95	-	48.08	28.98
1722	8000	12.96	18.8	-	47.88	29.84
1767	8000	13.0	18.85	-	50.3	29.88
1812	8000	13.0	18.8	-	48.59	29.04

**Pebbling formulas, width 5 chain graphs, substitution neq 3  
shuffle, no preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
102	5.43	5.43	5.43	11.37	5.43	5.43
192	5.43	5.43	5.43	8000	5.43	5.43
282	5.43	5.43	5.43	8000	5.43	5.43
372	5.43	5.43	5.43	8000	5.43	5.43
462	5.51	5.43	5.43	-	5.77	5.43
552	7.52	5.43	5.43	-	6.89	5.81
642	7.23	7.21	6.91	-	8.56	9.11
732	8.96	7.43	7.02	-	16.21	10.04
822	11.04	6.61	6.64	-	10.75	8.89
912	11.1	7.28	9.44	-	19.47	11.3
1002	11.05	10.93	10.42	-	18.62	13.8
1092	12.0	11.34	10.61	-	18.43	15.66
1182	16.02	11.64	10.86	-	39.98	21.46
1272	14.61	11.88	10.97	-	21.07	18.6
1362	14.92	10.04	9.17	-	26.77	25.74
1452	17.31	12.83	11.88	-	36.68	16.58
1542	17.55	12.99	11.96	-	39.18	18.17
1632	18.25	13.36	12.09	-	58.84	22.89
1722	21.2	13.66	16.56	-	51.57	20.28
1812	21.52	13.88	16.72	-	96.0	20.84
1902	22.63	14.19	16.9	-	77.06	40.1
1992	27.06	15.85	17.38	-	67.41	34.84
2082	22.89	15.86	17.52	-	76.93	20.51
2172	23.39	20.06	18.4	-	64.27	33.79
2262	26.72	20.12	18.37	-	89.62	29.99
2352	24.03	20.23	18.45	-	201.36	94.04
2442	24.36	20.44	18.51	-	95.11	36.92
2532	35.79	20.57	18.5	-	145.8	36.97
2622	36.1	20.41	18.47	-	111.75	51.7
2712	8000	20.51	18.42	-	148.82	51.9
2802	8000	22.28	18.39	-	155.32	46.15
2892	8000	22.74	20.12	-	219.93	46.93
2982	-	23.09	20.4	-	194.14	49.37
3072	-	23.43	20.61	-	209.21	80.82
3162	-	28.07	26.35	-	156.75	39.12
3252	-	29.22	26.35	-	208.77	47.42
3342	-	28.6	25.58	-	231.93	50.65
3432	-	29.41	25.95	-	258.31	63.02
3522	-	29.57	26.22	-	344.67	45.07
3612	-	29.86	26.43	-	218.84	63.59

**Pebbling formulas, width 5 chain graphs, substitution neq 3  
no shuffle, preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
57	5.57	5.57	5.57	5.57	5.57	5.57
102	5.75	5.75	5.75	41.35	5.75	5.75
147	5.84	5.84	5.84	118.34	5.84	5.84
192	5.93	5.93	5.93	8000	5.93	5.93
237	6.07	6.06	6.06	8000	6.06	6.06
282	6.75	6.19	6.19	8000	6.19	6.19
327	9.1	6.34	6.34	8000	6.34	6.34
372	9.89	6.45	6.45	-	6.45	6.45
417	10.09	6.49	6.49	-	8.0	6.49
462	10.9	6.49	6.49	-	8.56	6.49
507	14.12	6.91	6.91	-	8.87	7.95
552	14.37	6.91	6.91	-	9.29	6.91
597	15.16	7.04	7.04	-	12.27	7.77
642	15.76	7.04	7.04	-	12.8	11.4
687	16.37	7.17	7.17	-	12.8	11.68
732	16.63	7.3	7.3	-	13.23	11.75
777	22.98	7.73	7.73	-	13.81	8.95
822	22.82	7.73	7.73	-	19.18	11.99
867	23.35	7.84	7.84	-	19.04	12.12
912	24.07	7.84	7.84	-	20.94	12.21
957	25.46	7.97	7.97	-	20.05	12.52
1002	25.68	7.97	7.97	-	19.99	12.0
1047	26.23	8.24	8.24	-	21.41	18.33
1092	26.72	8.24	8.24	-	21.91	18.34
1137	27.22	8.24	8.81	-	29.77	18.54
1182	27.59	8.24	8.84	-	29.3	18.38
1227	29.01	9.67	9.11	-	29.95	18.8
1272	29.33	9.76	9.16	-	30.77	19.81
1317	37.22	9.93	9.25	-	30.86	19.88
1362	37.68	10.03	9.4	-	31.27	19.71
1407	38.2	10.2	9.83	-	32.55	19.84
1452	38.81	10.53	9.91	-	32.46	27.59
1497	39.28	10.55	9.99	-	46.09	19.95
1542	40.33	10.87	10.1	-	46.58	20.09
1587	40.64	10.93	10.14	-	46.59	20.0
1632	41.65	11.11	10.34	-	48.16	20.12
1677	42.11	11.61	10.36	-	34.79	28.02
1722	8000	11.73	13.21	-	48.37	28.81
1767	8000	11.74	13.36	-	48.56	28.6
1812	8000	12.02	13.41	-	50.5	28.58

**Pebbling formulas, width 5 chain graphs, substitution neq 3  
no shuffle, preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
102	5.75	5.75	5.75	11.04	5.75	5.75
192	5.93	5.93	5.93	8000	5.93	5.93
282	6.19	6.19	6.19	8000	6.19	6.19
372	6.45	6.45	6.45	8000	6.45	6.45
462	6.49	6.49	6.49	-	6.49	6.49
552	7.66	6.91	6.91	-	7.75	6.91
642	8.4	7.04	7.04	-	9.57	9.3
732	9.19	7.3	7.3	-	12.99	11.48
822	11.38	7.73	7.73	-	12.1	11.55
912	12.61	7.84	9.48	-	13.84	14.32
1002	13.02	8.59	9.62	-	16.5	11.8
1092	13.54	8.88	8.24	-	18.23	13.48
1182	13.8	9.2	8.43	-	32.26	20.2
1272	15.58	9.41	8.99	-	34.22	13.73
1362	16.01	9.62	9.12	-	42.06	20.8
1452	15.71	11.53	10.41	-	70.84	16.63
1542	16.11	12.96	12.61	-	38.15	18.64
1632	16.7	13.36	12.07	-	61.88	18.92
1722	17.07	13.69	13.03	-	86.25	25.81
1812	19.96	13.99	13.18	-	41.9	30.44
1902	28.77	14.24	13.28	-	65.62	33.31
1992	22.19	14.74	13.43	-	78.22	31.56
2082	22.87	14.98	13.63	-	79.32	33.62
2172	23.37	18.05	16.24	-	125.73	27.04
2262	23.66	18.41	16.44	-	88.34	43.41
2352	26.77	18.76	16.75	-	202.76	55.7
2442	24.3	19.16	17.04	-	89.8	38.89
2532	35.8	19.38	17.18	-	98.53	30.02
2622	36.08	19.66	17.35	-	155.21	30.75
2712	31.84	20.0	17.58	-	154.96	48.59
2802	8000	22.19	18.14	-	161.54	49.12
2892	8000	22.51	20.19	-	87.92	49.1
2982	8000	23.09	20.36	-	164.56	85.11
3072	-	23.52	20.59	-	217.66	60.58
3162	-	28.03	25.13	-	181.17	53.76
3252	-	28.41	25.41	-	222.95	80.33
3342	-	28.63	25.61	-	243.91	80.57
3432	-	29.05	25.92	-	252.68	62.25
3522	-	29.69	26.14	-	326.165	63.0
3612	-	29.96	26.49	-	228.68	63.23

**Pebbling formulas, width 5 chain graphs, substitution neq 3  
shuffle, preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
57	5.57	5.57	5.57	5.57	5.57	5.57
102	5.76	5.76	5.76	31.69	5.76	5.76
147	5.84	5.84	5.84	131.345	5.84	5.84
192	6.07	6.07	6.07	8000	6.07	6.07
237	6.19	6.05	6.05	8000	6.05	6.05
282	6.67	6.18	6.18	8000	6.18	6.18
327	8.95	6.49	6.49	8000	6.49	6.49
372	9.87	6.51	6.51	-	6.51	6.51
417	10.05	6.59	6.59	-	6.59	6.59
462	11.07	6.64	6.64	-	8.03	6.64
507	13.98	7.01	7.01	-	8.08	7.01
552	14.9	7.05	7.05	-	12.22	7.8
597	15.4	7.1	7.1	-	12.14	8.29
642	16.51	7.22	7.22	-	12.19	7.22
687	16.93	7.42	7.42	-	12.66	11.63
732	17.01	7.43	7.43	-	12.87	11.84
777	17.79	7.88	7.88	-	19.07	11.88
822	23.13	7.91	7.91	-	19.32	11.93
867	23.77	7.94	7.94	-	19.54	11.83
912	24.07	8.08	8.08	-	18.66	11.73
957	24.82	8.14	8.14	-	19.46	12.34
1002	25.37	8.18	8.18	-	21.0	12.21
1047	26.32	8.41	8.41	-	21.07	12.35
1092	26.82	8.47	8.59	-	21.15	18.59
1137	26.94	8.43	8.8	-	29.5	12.56
1182	28.95	8.56	8.85	-	29.36	13.26
1227	29.09	9.66	9.02	-	30.68	18.75
1272	36.85	9.75	9.05	-	30.53	18.8
1317	37.0	9.94	9.23	-	30.82	19.62
1362	37.92	10.03	9.81	-	32.8	18.77
1407	37.91	10.29	9.79	-	45.59	19.89
1452	39.04	10.44	9.89	-	46.3	20.01
1497	39.99	10.54	9.94	-	32.97	27.37
1542	40.35	10.72	10.06	-	34.75	28.62
1587	41.23	10.86	10.11	-	35.1	20.22
1632	41.55	11.09	10.31	-	48.05	27.84
1677	8000	11.6	10.35	-	48.2	20.65
1722	8000	11.71	10.41	-	47.54	29.05
1767	42.8	11.77	13.38	-	48.52	27.92
1812	8000	11.84	13.43	-	48.42	28.65



**Pebbling formulas, width 5 chain graphs, substitution neq 3  
shuffle, preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
102	5.76	5.76	5.76	9.41	5.76	5.76
192	6.07	6.07	6.07	8000	6.07	6.07
282	6.18	6.18	6.18	8000	6.18	6.18
372	6.51	6.51	6.51	8000	6.51	6.51
462	6.64	6.64	6.64	-	6.64	6.64
552	7.49	7.05	7.05	-	7.26	7.05
642	8.32	7.22	7.22	-	8.89	7.22
732	9.18	7.43	7.43	-	11.13	10.5
822	11.4	7.91	7.91	-	11.99	8.88
912	12.64	8.08	9.46	-	14.88	9.33
1002	12.95	8.59	9.61	-	16.55	16.02
1092	13.6	8.91	8.47	-	19.69	17.77
1182	13.74	9.2	8.56	-	28.09	16.46
1272	15.57	9.39	8.91	-	21.84	16.72
1362	14.49	9.63	9.25	-	64.57	14.03
1452	15.71	11.51	10.38	-	26.18	18.31
1542	16.09	12.93	12.57	-	40.51	25.49
1632	16.68	13.37	12.1	-	40.47	19.06
1722	19.57	13.68	12.31	-	34.59	19.83
1812	20.01	13.93	13.13	-	57.75	33.25
1902	21.84	14.22	13.26	-	80.39	26.11
1992	22.18	14.68	13.41	-	46.79	26.56
2082	22.87	15.05	13.69	-	82.83	26.78
2172	26.21	18.12	16.28	-	107.98	34.08
2262	23.64	18.42	16.51	-	125.61	34.32
2352	26.88	18.79	16.84	-	200.15	88.15
2442	24.32	19.09	17.08	-	84.9	48.23
2532	35.82	19.41	17.21	-	202.9	44.24
2622	36.09	19.71	17.45	-	160.02	48.95
2712	8000	19.9	17.66	-	151.64	41.59
2802	8000	22.24	18.23	-	142.98	42.07
2892	8000	22.61	20.16	-	213.36	45.67
2982	-	23.11	20.38	-	164.93	91.23
3072	-	23.43	20.61	-	216.02	91.34
3162	-	28.11	25.18	-	173.76	57.76
3252	-	28.41	25.41	-	215.26	92.0
3342	-	28.62	25.68	-	250.66	62.43
3432	-	29.38	26.02	-	264.14	63.1
3522	-	29.77	26.21	-	324.31	63.3
3612	-	29.94	26.5	-	233.46	63.75

# Cartesian products of vanilla pebbling formulas

**Cartesian, Gilbert-Tarjan graphs, no shuffle, no preprocessing  
no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
11	5.43	5.43	5.43	5.43	5.43	5.43
21	5.43	5.43	5.43	5.43	5.43	5.43
41	5.43	5.43	5.43	5.43	5.43	5.43
44	5.43	5.43	5.43	5.43	5.43	5.43
76	5.43	5.43	5.43	9.8	5.43	5.43
79	5.43	5.43	5.43	9.46	5.43	5.43
135	5.43	5.43	5.43	28.41	5.51	5.51
138	5.43	5.43	5.43	30.06	5.52	5.48
152	5.43	5.43	5.43	45.98	5.63	5.5
155	5.43	5.43	5.43	40.4	7.99	7.92
249	8.87	7.55	11.43	215.7	22.99	29.77
252	8.4	7.15	8.76	234.36	22.92	22.71
260	9.14	7.73	11.38	240.66	23.14	29.69
263	9.17	8.02	10.23	230.54	23.34	30.25
413	19.6	17.78	17.61	8000	42.38	42.89
416	21.29	18.96	24.54	8000	43.21	42.83
424	22.21	19.44	17.85	8000	43.1	63.88
427	22.64	19.89	29.29	-	43.87	43.76
477	25.47	23.25	31.81	-	65.69	96.47
480	25.55	23.35	31.64	-	65.95	96.65
488	25.88	23.6	25.38	-	66.15	97.47
491	26.01	25.31	32.13	-	66.61	99.83
745	61.91	53.0	79.79	-	167.22	380.11
748	61.86	50.58	80.07	-	166.39	380.37
756	62.5	53.47	80.63	-	246.32	383.5
759	62.55	52.43	80.36	-	248.1	379.31
785	64.93	53.59	92.9	-	248.5	383.89
788	66.11	54.61	113.21	-	251.27	597.04
796	66.55	54.94	113.68	-	251.24	598.19
799	67.08	56.44	84.48	-	251.55	593.05
1181	153.66	143.47	186.06	-	639.86	993.6
1184	156.43	139.04	207.42	-	639.01	650.42
1192	157.14	146.32	207.7	-	645.57	997.74
1195	157.62	147.06	207.93	-	429.63	652.91
1221	159.94	148.3	240.12	-	646.29	995.3
1224	160.65	148.07	209.53	-	646.27	994.07
1232	161.46	148.79	209.72	-	646.58	995.78
1235	161.32	148.38	209.45	-	647.96	998.23
1385	8000	188.14	247.84	-	1008.9	1581.49
1388	8000	187.33	248.79	-	1009.45	1576.11

**Cartesian, Gilbert-Tarjan graphs, no shuffle, no preprocessing  
clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
152	5.43	5.43	5.43	15.9	5.63	5.5
155	5.43	5.43	5.43	13.41	7.99	7.92
249	8.87	7.55	11.43	79.03	22.99	29.77
252	8.4	7.15	8.76	78.96	22.92	22.71
260	9.14	7.73	11.38	75.29	23.14	29.69
263	9.17	8.02	10.23	82.84	23.34	30.25
413	19.6	17.78	17.61	205.25	42.38	42.89
416	21.29	18.96	24.54	207.62	43.21	42.83
424	22.21	19.44	17.85	202.71	43.1	63.88
427	22.64	19.89	29.29	204.95	43.87	43.76
477	25.47	23.25	31.81	8000	65.69	96.47
480	25.55	23.35	31.64	8000	65.95	96.65
488	25.88	23.6	25.38	8000	66.15	97.47
491	26.01	25.31	32.13	-	66.61	99.83
745	61.91	53.0	79.79	-	167.22	380.11
748	61.86	50.58	80.07	-	166.39	380.37
756	62.5	53.47	80.63	-	246.32	383.5
759	62.55	52.43	80.36	-	248.1	379.31
785	64.93	53.59	92.9	-	248.5	383.89
788	66.11	54.61	113.21	-	251.27	597.04
796	66.55	54.94	113.68	-	251.24	598.19
799	67.08	56.44	84.48	-	251.55	593.05
1181	153.66	143.47	186.06	-	639.86	993.6
1184	156.43	139.04	207.42	-	639.01	650.42
1192	157.14	146.32	207.7	-	645.57	997.74
1195	157.62	147.06	207.93	-	429.63	652.91
1221	159.94	148.3	240.12	-	646.29	995.3
1224	160.65	148.07	209.53	-	646.27	994.07
1232	161.46	148.79	209.72	-	646.58	995.78
1235	161.32	148.38	209.45	-	647.96	998.23
1385	8000	188.14	247.84	-	1008.9	1581.49
1388	8000	187.33	248.79	-	1009.45	1576.11
1396	8000	188.33	220.04	-	1010.9	2482.39
1399	-	188.49	298.91	-	1009.53	1579.89
1425	-	207.23	315.41	-	1018.98	2485.5
1428	-	207.26	266.96	-	1018.98	1584.85
1436	-	208.35	317.35	-	1019.23	2504.02
1439	-	201.59	242.27	-	1019.2	1584.98
2085	-	355.25	763.25	-	8000	6473.98
2088	-	360.23	631.89	-	8000	6491.79

**Cartesian, Gilbert-Tarjan graphs, shuffle, no preprocessing  
no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
11	5.43	5.43	5.43	5.43	5.43	5.43
21	5.43	5.43	5.43	5.43	5.43	5.43
41	5.43	5.43	5.43	5.43	5.43	5.43
44	5.43	5.43	5.43	5.43	5.43	5.43
76	5.43	5.43	5.43	6.87	5.43	5.43
79	5.43	5.43	5.43	9.5	5.43	5.43
135	5.43	5.43	5.43	29.53	5.43	5.43
138	5.43	5.43	5.43	29.86	5.43	5.43
152	5.43	5.43	5.43	41.64	7.0	6.88
155	5.43	5.43	5.43	40.03	7.8	6.98
249	8.66	7.71	11.02	180.91	22.54	29.37
252	8.14	7.7	9.4	218.3	22.71	29.5
260	8.9	7.66	13.92	220.02	22.82	29.7
263	8.96	7.61	11.49	246.93	22.97	29.73
413	20.71	17.75	17.75	8000	43.04	43.11
416	19.3	17.76	17.76	8000	43.0	43.42
424	21.27	19.72	24.66	8000	43.29	62.14
427	21.46	18.76	24.7	-	43.41	43.73
477	23.93	21.71	30.45	-	65.26	95.65
480	23.91	21.66	30.31	-	65.73	95.67
488	24.35	22.01	30.55	-	65.85	96.57
491	24.42	25.58	31.11	-	66.12	97.05
745	58.46	48.59	75.45	-	243.92	378.34
748	58.37	47.69	58.18	-	244.01	376.41
756	58.91	46.45	76.04	-	245.2	377.99
759	59.19	50.52	87.86	-	245.85	376.21
785	60.67	49.2	89.09	-	246.17	595.8
788	62.12	50.74	90.64	-	248.04	380.96
796	62.79	52.21	109.95	-	248.94	383.31
799	63.0	54.38	91.22	-	249.52	595.96
1181	146.64	132.59	145.3	-	633.8	981.07
1184	149.21	129.18	195.88	-	636.56	644.04
1192	150.06	128.78	149.25	-	635.04	996.04
1195	150.22	135.54	196.31	-	638.59	644.61
1221	152.79	138.02	199.4	-	641.8	990.98
1224	153.12	139.02	199.97	-	641.93	989.0
1232	153.6	139.14	151.41	-	642.46	990.64
1235	153.72	139.07	200.13	-	643.94	992.18
1385	8000	179.38	290.9	-	1003.41	1578.0
1388	8000	180.46	289.5	-	1003.71	1568.7

**Cartesian, Gilbert-Tarjan graphs, shuffle, no preprocessing  
clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
152	5.43	5.43	5.43	15.92	7.0	6.88
155	5.43	5.43	5.43	17.57	7.8	6.98
249	8.66	7.71	11.02	79.12	22.54	29.37
252	8.14	7.7	9.4	79.19	22.71	29.5
260	8.9	7.66	13.92	93.73	22.82	29.7
263	8.96	7.61	11.49	93.98	22.97	29.73
413	20.71	17.75	17.75	198.45	43.04	43.11
416	19.3	17.76	17.76	207.07	43.0	43.42
424	21.27	19.72	24.66	198.38	43.29	62.14
427	21.46	18.76	24.7	208.845	43.41	43.73
477	23.93	21.71	30.45	8000	65.26	95.65
480	23.91	21.66	30.31	8000	65.73	95.67
488	24.35	22.01	30.55	8000	65.85	96.57
491	24.42	25.58	31.11	-	66.12	97.05
745	58.46	48.59	75.45	-	243.92	378.34
748	58.37	47.69	58.18	-	244.01	376.41
756	58.91	46.45	76.04	-	245.2	377.99
759	59.19	50.52	87.86	-	245.85	376.21
785	60.67	49.2	89.09	-	246.17	595.8
788	62.12	50.74	90.64	-	248.04	380.96
796	62.79	52.21	109.95	-	248.94	383.31
799	63.0	54.38	91.22	-	249.52	595.96
1181	146.64	132.59	145.3	-	633.8	981.07
1184	149.21	129.18	195.88	-	636.56	644.04
1192	150.06	128.78	149.25	-	635.04	996.04
1195	150.22	135.54	196.31	-	638.59	644.61
1221	152.79	138.02	199.4	-	641.8	990.98
1224	153.13	139.02	199.97	-	641.93	989.0
1232	153.6	139.14	151.41	-	642.46	990.64
1235	153.72	139.07	200.13	-	643.94	992.18
1385	8000	179.38	290.9	-	1003.41	1578.0
1388	8000	180.46	289.5	-	1003.71	1568.7
1396	8000	180.25	241.48	-	1006.83	2491.21
1399	-	181.21	291.45	-	1008.74	1576.75
1425	-	198.4	309.14	-	1013.68	2491.2
1428	-	198.01	308.01	-	1011.49	2484.73
1436	-	199.07	308.57	-	1015.74	2489.8
1439	-	198.95	309.27	-	1016.79	2481.48
2085	-	322.48	598.13	-	8000	6463.27
2088	-	332.37	602.96	-	8000	6480.18









**Cartesian, Gilbert-Tarjan graphs, shuffle, preprocessing  
clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
152	8.21	8.21	8.21	8.21	8.21	8.21
155	7.58	7.58	7.58	7.58	7.58	7.58
249	10.92	10.92	10.92	10.92	10.92	10.92
252	10.91	10.91	10.91	10.91	10.91	10.91
260	12.68	12.68	12.68	12.68	12.68	12.68
263	12.68	12.68	12.68	12.68	12.68	12.68
413	26.22	26.22	26.22	26.22	26.22	26.22
416	23.71	23.71	23.71	23.71	23.71	23.71
424	28.49	28.49	28.49	28.49	28.49	28.49
427	26.05	26.05	26.05	26.05	26.05	26.05
477	32.73	32.73	32.73	32.73	32.73	32.73
480	32.75	32.75	32.75	32.75	32.75	32.75
488	34.9	34.9	34.9	34.9	34.9	34.9
491	35.05	35.05	35.05	35.05	35.05	35.05
745	81.34	81.34	81.34	81.34	81.34	81.34
748	74.27	74.27	74.27	74.27	74.27	74.27
756	82.0	82.0	82.0	82.0	82.0	82.0
759	81.95	81.95	81.95	81.95	81.95	81.95
785	106.65	106.65	106.65	106.65	106.65	106.65
788	107.89	107.89	107.89	107.89	107.89	107.89
796	90.2	90.2	90.2	90.2	90.2	90.2
799	108.76	108.76	108.76	108.76	108.76	108.76
1181	178.06	178.06	178.06	178.06	178.06	178.06
1184	199.54	199.54	199.54	199.54	199.54	199.54
1192	181.86	181.86	181.86	181.86	181.86	181.86
1195	200.39	200.39	200.39	200.39	200.39	200.39
1221	190.26	190.26	190.26	190.26	190.26	190.26
1224	209.28	209.28	209.28	209.28	209.28	209.28
1232	209.38	209.38	209.38	209.38	209.38	209.38
1235	209.82	209.82	209.82	209.82	209.82	209.82
1385	236.4	236.4	236.4	236.4	236.4	236.4
1388	285.31	285.31	285.31	285.31	285.31	285.31
1396	286.15	286.15	286.15	286.15	286.15	286.15
1399	286.56	286.56	286.56	286.56	286.56	286.56
1425	307.13	307.13	307.13	307.13	307.13	307.13
1428	277.3	277.3	277.3	277.3	277.3	277.3
1436	8000	282.55	282.55	282.55	282.55	8000
1439	8000	8000	312.78	8000	8000	8000
2085	8000	8000	8000	8000	8000	8000
2088	-	8000	8000	8000	8000	-

**Cartesian, pyramid graphs, no shuffle, no preprocessing  
no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
10	5.43	5.43	5.43	5.43	5.43	5.43
21	5.43	5.43	5.43	5.43	5.43	5.43
36	5.43	5.43	5.43	5.43	5.43	5.43
55	5.43	5.43	5.43	5.43	5.43	5.43
78	5.43	5.43	5.43	5.43	5.43	5.43
105	5.43	5.43	5.43	5.43	5.43	5.43
136	5.43	5.43	5.43	8.75	5.43	5.43
171	5.43	5.43	5.43	15.29	8.02	7.93
210	5.43	5.43	6.83	29.09	12.27	12.21
253	7.16	7.16	8.77	37.46	22.89	22.63
300	8.5	8.84	15.31	61.23	24.2	30.99
351	12.2	12.46	16.11	112.52	41.71	41.45
406	19.16	19.04	23.37	124.76	41.79	41.25
465	19.38	18.45	27.18	210.46	62.41	61.48
528	27.77	27.63	34.39	261.34	67.54	67.23
595	30.48	29.48	40.33	354.95	102.3	100.27
666	43.39	43.45	54.13	542.25	156.25	154.54
741	50.79	51.17	71.62	8000	162.86	240.99
820	55.87	65.69	82.54	8000	250.15	247.7
903	72.47	68.4	96.96	8000	388.66	383.25
990	84.45	82.05	128.28	-	397.09	391.76
1081	117.51	123.27	147.25	-	624.03	624.22
1176	124.98	124.29	150.39	-	630.94	625.46
1275	135.41	129.66	207.85	-	643.89	980.76
1378	176.68	171.41	212.39	-	999.4	991.83
1485	200.08	198.02	272.94	-	1020.95	1570.14
1596	210.78	214.27	329.44	-	1587.3	1579.79
1711	292.09	283.84	357.97	-	1616.41	2515.25
1830	311.68	314.55	422.27	-	1643.37	2535.6
1953	326.91	336.21	511.13	-	2562.3	2550.08
2080	348.82	334.26	536.18	-	8000	2596.01
2211	477.16	483.57	607.11	-	8000	4098.4
2346	8000	520.0	621.1	-	8000	4115.98
2485	8000	592.42	885.81	-	8000	6553.14
2628	8000	579.02	901.48	-	-	8000
2775	-	771.7	932.14	-	-	8000
2926	-	796.1	951.52	-	-	8000
3081	-	813.89	1096.66	-	-	-
3240	-	947.42	1410.92	-	-	-
3403	-	969.16	1462.12	-	-	-

**Cartesian, pyramid graphs, no shuffle, no preprocessing  
clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
10	5.43	5.43	5.43	5.43	5.43	5.43
21	5.43	5.43	5.43	5.43	5.43	5.43
36	5.43	5.43	5.43	5.43	5.43	5.43
55	5.43	5.43	5.43	5.43	5.43	5.43
78	5.43	5.43	5.43	5.43	5.43	5.43
105	5.43	5.43	5.43	5.43	5.43	5.43
136	5.43	5.43	5.43	5.55	5.43	5.43
171	5.43	5.43	5.43	10.87	8.02	7.93
210	5.43	5.43	6.83	17.3	12.27	12.21
253	7.16	7.16	8.77	37.39	22.89	22.63
300	8.5	8.84	15.31	44.4	24.2	30.99
351	12.2	12.46	16.11	74.2	41.71	41.45
406	19.16	19.04	23.37	99.65	41.79	41.25
465	19.38	18.45	27.18	154.12	62.41	61.48
528	27.77	27.63	34.39	189.56	67.54	67.23
595	30.48	29.48	40.33	285.57	102.3	100.27
666	43.39	43.45	54.13	445.37	156.25	154.54
741	50.79	51.17	71.62	8000	162.86	240.99
820	55.87	65.69	82.54	8000	250.15	247.7
903	72.47	68.4	96.96	8000	388.66	383.25
990	84.45	82.05	128.28	-	397.09	391.76
1081	117.51	123.27	147.25	-	624.03	624.22
1176	124.98	124.29	150.39	-	630.94	625.46
1275	135.41	129.66	207.85	-	643.89	980.76
1378	176.68	171.41	212.39	-	999.4	991.83
1485	200.08	198.02	272.94	-	1020.95	1570.14
1596	210.78	214.27	329.44	-	1587.3	1579.79
1711	292.09	283.84	357.97	-	1616.41	2515.25
1830	311.68	314.55	422.27	-	1643.37	2535.6
1953	326.91	336.21	511.13	-	2562.3	2550.08
2080	348.82	334.26	536.18	-	8000	2596.01
2211	477.16	483.57	607.11	-	8000	4098.4
2346	8000	520.0	621.1	-	8000	4115.98
2485	8000	592.42	885.81	-	8000	6553.14
2628	8000	579.02	901.48	-	-	8000
2775	-	771.7	932.14	-	-	8000
2926	-	796.1	951.52	-	-	8000
3081	-	813.89	1096.66	-	-	-
3240	-	947.42	1410.92	-	-	-
3403	-	969.16	1462.12	-	-	-

**Cartesian, pyramid graphs, shuffle, no preprocessing  
no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
10	5.43	5.43	5.43	5.43	5.43	5.43
21	5.43	5.43	5.43	5.43	5.43	5.43
36	5.43	5.43	5.43	5.43	5.43	5.43
55	5.43	5.43	5.43	5.43	5.43	5.43
78	5.43	5.43	5.43	5.43	5.43	5.43
105	5.43	5.43	5.43	5.43	5.43	5.43
136	5.43	5.43	5.43	9.99	5.43	5.43
171	5.43	5.43	5.43	15.29	11.33	7.08
210	5.43	5.43	6.03	25.27	12.02	11.93
253	7.29	7.29	8.89	39.62	18.45	11.71
300	8.29	8.04	10.79	62.13	23.77	30.67
351	11.54	11.78	13.93	86.81	29.78	41.18
406	18.57	18.82	23.11	124.66	41.41	59.73
465	18.62	19.2	29.56	213.86	62.44	61.24
528	25.99	27.0	32.64	263.03	96.58	97.96
595	28.63	28.57	46.23	402.81	101.1	150.45
666	41.43	42.21	52.79	624.58	155.38	153.23
741	46.43	47.71	75.51	8000	160.37	237.4
820	51.75	64.0	80.55	8000	247.45	246.57
903	68.08	67.71	84.49	8000	385.49	384.48
990	79.77	89.74	128.08	-	396.21	394.51
1081	106.81	109.08	135.52	-	614.17	612.87
1176	114.93	112.32	143.58	-	624.93	623.91
1275	125.79	128.21	201.54	-	640.6	973.29
1378	166.25	169.42	209.01	-	994.18	1551.75
1485	188.46	198.41	237.19	-	1015.21	1566.61
1596	201.21	215.27	326.93	-	1583.11	1586.08
1711	269.6	273.42	343.66	-	1605.11	1597.49
1830	289.97	310.42	364.15	-	1627.71	2523.86
1953	304.59	322.98	426.01	-	2097.21	2538.27
2080	8000	326.57	520.67	-	8000	4049.59
2211	8000	483.64	583.6	-	8000	4069.81
2346	8000	500.41	600.62	-	8000	4115.79
2485	-	508.3	711.43	-	-	6521.44
2628	-	570.92	864.74	-	-	8000
2775	-	718.57	906.7	-	-	8000
2926	-	763.94	931.9	-	-	8000
3081	-	817.67	1083.71	-	-	-
3240	-	917.35	1398.8	-	-	-
3403	-	1019.85	1451.23	-	-	-

**Cartesian, pyramid graphs, shuffle, no preprocessing  
clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
10	5.43	5.43	5.43	5.43	5.43	5.43
21	5.43	5.43	5.43	5.43	5.43	5.43
36	5.43	5.43	5.43	5.43	5.43	5.43
55	5.43	5.43	5.43	5.43	5.43	5.43
78	5.43	5.43	5.43	5.43	5.43	5.43
105	5.43	5.43	5.43	5.43	5.43	5.43
136	5.43	5.43	5.43	7.15	5.43	5.43
171	5.43	5.43	5.43	10.96	11.33	7.08
210	5.43	5.43	6.03	23.97	12.02	11.93
253	7.29	7.29	8.89	33.05	18.45	11.71
300	8.29	8.04	10.79	48.2	23.77	30.67
351	11.54	11.78	13.93	74.12	29.78	41.18
406	18.57	18.82	23.11	102.73	41.41	59.73
465	18.62	19.2	29.56	160.75	62.44	61.24
528	25.99	27.0	32.64	184.77	96.58	97.96
595	28.63	28.57	46.23	305.04	101.1	150.45
666	41.43	42.21	52.79	535.14	155.38	153.23
741	46.43	47.71	75.51	8000	160.37	237.4
820	51.75	64.0	80.55	8000	247.45	246.57
903	68.08	67.71	84.49	8000	385.49	384.48
990	79.77	89.74	128.08	-	396.21	394.51
1081	106.81	109.08	135.52	-	614.17	612.87
1176	114.93	112.32	143.58	-	624.93	623.91
1275	125.79	128.21	201.54	-	640.6	973.29
1378	166.25	169.42	209.01	-	994.18	1551.75
1485	188.46	198.41	237.19	-	1015.21	1566.61
1596	201.21	215.27	326.93	-	1583.11	1586.08
1711	269.6	273.42	343.66	-	1605.11	1597.49
1830	289.97	310.42	364.15	-	1627.71	2523.86
1953	304.59	322.98	426.01	-	2097.21	2538.27
2080	8000	326.57	520.67	-	8000	4049.59
2211	8000	483.64	583.6	-	8000	4069.81
2346	8000	500.41	600.62	-	8000	4115.79
2485	-	508.3	711.43	-	-	6521.44
2628	-	570.92	864.74	-	-	8000
2775	-	718.57	906.7	-	-	8000
2926	-	763.94	931.9	-	-	8000
3081	-	817.67	1083.71	-	-	-
3240	-	917.35	1398.8	-	-	-
3403	-	1019.85	1451.23	-	-	-

**Cartesian, pyramid graphs, no shuffle, preprocessing  
no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
10	5.44	5.44	5.44	5.44	5.44	5.44
21	5.44	5.44	5.44	5.44	5.44	5.44
36	5.57	5.57	5.57	5.57	5.57	5.57
55	5.7	5.7	5.7	5.7	5.7	5.7
78	6.11	6.11	6.11	6.11	6.11	6.11
105	6.62	6.62	6.62	6.62	6.62	6.62
136	7.2	7.2	7.2	7.2	7.2	7.2
171	8.36	8.36	8.36	8.36	8.36	8.36
210	10.68	10.68	10.68	10.68	10.68	10.68
253	12.48	12.48	12.48	12.48	12.48	12.48
300	14.12	14.12	14.12	14.12	14.12	14.12
351	18.92	18.92	18.92	18.92	18.92	18.92
406	25.64	25.64	25.64	25.64	25.64	25.64
465	28.97	28.97	28.97	28.97	28.97	28.97
528	44.5	44.5	44.5	44.5	44.5	44.5
595	47.0	47.0	47.0	47.0	47.0	47.0
666	67.9	67.9	67.9	67.9	67.9	67.9
741	80.63	80.63	80.63	80.63	80.63	80.63
820	108.98	108.98	108.98	108.98	108.98	108.98
903	113.61	113.61	113.61	113.61	113.61	113.61
990	127.55	127.55	127.55	127.55	127.55	127.55
1081	191.6	191.6	191.6	191.6	191.6	191.6
1176	199.37	199.37	199.37	199.37	199.37	199.37
1275	240.48	240.48	240.48	240.48	240.48	240.48
1378	279.36	279.36	279.36	279.36	279.36	279.36
1485	308.87	308.87	308.87	308.87	308.87	308.87
1596	319.33	319.33	319.33	319.33	319.33	319.33
1711	478.51	478.51	478.51	478.51	478.51	478.51
1830	500.42	500.42	500.42	500.42	500.42	500.42
1953	514.67	514.67	514.67	514.67	514.67	514.67
2080	610.13	610.13	610.13	610.13	610.13	610.13
2211	751.27	751.27	751.27	751.27	751.27	751.27
2346	770.57	770.57	770.57	770.57	770.57	770.57
2485	8000	8000	8000	8000	8000	8000
2628	8000	8000	8000	8000	8000	8000
2775	8000	8000	8000	8000	8000	8000

**Cartesian, pyramid graphs, no shuffle, preprocessing  
clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
10	5.44	5.44	5.44	5.44	5.44	5.44
21	5.44	5.44	5.44	5.44	5.44	5.44
36	5.57	5.57	5.57	5.57	5.57	5.57
55	5.7	5.7	5.7	5.7	5.7	5.7
78	6.11	6.11	6.11	6.11	6.11	6.11
105	6.62	6.62	6.62	6.62	6.62	6.62
136	7.2	7.2	7.2	7.2	7.2	7.2
171	8.36	8.36	8.36	8.36	8.36	8.36
210	10.68	10.68	10.68	10.68	10.68	10.68
253	12.48	12.48	12.48	12.48	12.48	12.48
300	14.12	14.12	14.12	14.12	14.12	14.12
351	18.92	18.92	18.92	18.92	18.92	18.92
406	25.64	25.64	25.64	25.64	25.64	25.64
465	28.97	28.97	28.97	28.97	28.97	28.97
528	44.5	44.5	44.5	44.5	44.5	44.5
595	47.0	47.0	47.0	47.0	47.0	47.0
666	67.9	67.9	67.9	67.9	67.9	67.9
741	80.63	80.63	80.63	80.63	80.63	80.63
820	108.98	108.98	108.98	108.98	108.98	108.98
903	113.61	113.61	113.61	113.61	113.61	113.61
990	127.55	127.55	127.55	127.55	127.55	127.55
1081	191.6	191.6	191.6	191.6	191.6	191.6
1176	199.37	199.37	199.37	199.37	199.37	199.37
1275	240.48	240.48	240.48	240.48	240.48	240.48
1378	279.36	279.36	279.36	279.36	279.36	279.36
1485	308.87	308.87	308.87	308.87	308.87	308.87
1596	319.33	319.33	319.33	319.33	319.33	319.33
1711	478.51	478.51	478.51	478.51	478.51	478.51
1830	500.42	500.42	500.42	500.42	500.42	500.42
1953	514.67	514.67	514.67	514.67	514.67	514.67
2080	610.13	610.13	610.13	610.13	610.13	610.13
2211	751.27	751.27	751.27	751.27	751.27	751.27
2346	770.57	770.57	770.57	770.57	770.57	770.57
2485	8000	8000	8000	8000	8000	8000
2628	8000	8000	8000	8000	8000	8000
2775	8000	8000	8000	8000	8000	8000



**Cartesian, pyramid graphs, shuffle, preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
10	5.44	5.44	5.44	5.44	5.44	5.44
21	5.44	5.44	5.44	5.44	5.44	5.44
36	5.57	5.57	5.57	5.57	5.57	5.57
55	5.7	5.7	5.7	5.7	5.7	5.7
78	6.05	6.05	6.05	6.05	6.05	6.05
105	6.62	6.62	6.62	6.62	6.62	6.62
136	7.2	7.2	7.2	7.2	7.2	7.2
171	8.38	8.38	8.38	8.38	8.38	8.38
210	10.52	10.52	10.52	10.52	10.52	10.52
253	12.4	12.4	12.4	12.4	12.4	12.4
300	15.98	15.98	15.98	15.98	15.98	15.98
351	18.85	18.85	18.85	18.85	18.85	18.85
406	21.47	21.47	21.47	21.47	21.47	21.47
465	29.82	29.82	29.82	29.82	29.82	29.82
528	37.69	37.69	37.69	37.69	37.69	37.69
595	47.42	47.42	47.42	47.42	47.42	47.42
666	70.07	70.07	70.07	70.07	70.07	70.07
741	80.54	80.54	80.54	80.54	80.54	80.54
820	109.66	109.66	109.66	109.66	109.66	109.66
903	114.97	114.97	114.97	114.97	114.97	114.97
990	132.48	132.48	132.48	132.48	132.48	132.48
1081	190.96	190.96	190.96	190.96	190.96	190.96
1176	182.53	182.53	182.53	182.53	182.53	182.53
1275	273.11	273.11	273.11	273.11	273.11	273.11
1378	283.48	283.48	283.48	283.48	283.48	283.48
1485	8000	8000	8000	8000	8000	8000
1596	8000	8000	8000	8000	8000	8000
1711	8000	8000	8000	8000	8000	8000

## Cartesian, pyramid graphs, shuffle, preprocessing, clause removal memory consumption expressed in megabytes

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
10	5.44	5.44	5.44	5.44	5.44	5.44
21	5.44	5.44	5.44	5.44	5.44	5.44
36	5.57	5.57	5.57	5.57	5.57	5.57
55	5.7	5.7	5.7	5.7	5.7	5.7
78	6.05	6.05	6.05	6.05	6.05	6.05
105	6.62	6.62	6.62	6.62	6.62	6.62
136	7.2	7.2	7.2	7.2	7.2	7.2
171	8.38	8.38	8.38	8.38	8.38	8.38
210	10.52	10.52	10.52	10.52	10.52	10.52
253	12.4	12.4	12.4	12.4	12.4	12.4
300	15.98	15.98	15.98	15.98	15.98	15.98
351	18.85	18.85	18.85	18.85	18.85	18.85
406	21.47	21.47	21.47	21.47	21.47	21.47
465	29.82	29.82	29.82	29.82	29.82	29.82
528	37.69	37.69	37.69	37.69	37.69	37.69
595	47.42	47.42	47.42	47.42	47.42	47.42
666	70.07	70.07	70.07	70.07	70.07	70.07
741	80.54	80.54	80.54	80.54	80.54	80.54
820	109.66	109.66	109.66	109.66	109.66	109.66
903	114.97	114.97	114.97	114.97	114.97	114.97
990	132.48	132.48	132.48	132.48	132.48	132.48
1081	190.96	190.96	190.96	190.96	190.96	190.96
1176	182.53	182.53	182.53	182.53	182.53	182.53
1275	273.11	273.11	273.11	273.11	273.11	273.11
1378	283.48	283.48	283.48	283.48	283.48	283.48
1485	8000	8000	8000	8000	8000	8000
1596	8000	8000	8000	8000	8000	8000
1711	8000	8000	8000	8000	8000	8000

**Cartesian, width 2 chain graphs, no shuffle, no preprocessing  
no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
27	5.43	5.43	5.43	5.43	5.43	5.43
53	5.43	5.43	5.43	5.43	5.43	5.43
79	5.43	5.43	5.43	12.57	5.43	5.43
105	5.43	5.43	5.43	27.05	5.43	5.43
131	5.43	5.43	5.43	60.51	5.5	5.45
157	5.43	5.43	5.43	127.48	5.5	5.43
183	6.71	5.43	5.64	126.17	11.11	8.24
209	7.29	6.05	8.03	207.33	12.66	12.43
235	10.38	6.94	8.41	334.13	12.92	12.52
261	12.06	8.65	7.71	480.17	19.37	19.15
287	11.48	10.27	12.97	8000	20.16	19.79
313	13.75	12.39	11.2	8000	23.31	22.59
339	16.82	13.82	12.36	8000	24.23	19.08
365	17.93	14.57	12.96	-	31.91	23.95
391	25.21	20.35	19.84	-	43.04	24.04
417	24.22	19.52	18.24	-	33.87	32.46
443	26.68	23.16	18.85	-	47.41	33.49
469	29.42	23.87	23.77	-	48.81	33.62
495	34.55	28.98	25.97	-	50.62	36.56
521	36.31	32.96	28.54	-	52.21	49.88
547	38.19	34.16	29.67	-	71.94	50.99
573	46.44	34.93	30.67	-	76.32	53.74
599	45.21	38.52	38.4	-	78.38	55.16
625	53.44	36.84	39.4	-	79.73	78.42
651	56.51	50.97	44.11	-	90.96	78.05
677	57.9	51.79	44.31	-	117.17	78.03
703	65.86	52.71	46.33	-	116.92	81.57
729	76.26	58.41	51.74	-	124.47	87.86
755	73.52	59.72	51.42	-	172.7	89.0
781	8000	65.04	64.6	-	122.66	88.63
807	90.63	67.62	65.48	-	206.69	122.51
833	8000	80.58	67.73	-	209.14	93.62
859	8000	81.34	69.8	-	186.12	93.12
885	8000	89.64	70.39	-	184.3	129.36
911	-	90.6	72.12	-	185.45	134.32
937	-	91.73	72.86	-	185.82	129.21
963	-	100.16	79.6	-	279.41	134.32
989	-	103.25	101.21	-	226.98	140.54
1015	-	105.52	102.52	-	276.96	140.7
1041	-	127.45	108.69	-	230.86	195.25

**Cartesian, width 2 chain graphs, no shuffle, no preprocessing  
clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
25	5.43	5.43	5.43	5.43	5.43	5.43
49	5.43	5.43	5.43	5.43	5.43	5.43
73	5.43	5.43	5.43	5.43	5.43	5.43
97	5.43	5.43	5.43	6.5	5.43	5.43
121	5.43	5.43	5.43	11.51	5.43	5.43
145	5.43	5.43	5.43	22.83	5.74	5.7
169	5.43	5.43	5.43	29.32	8.28	8.11
193	6.08	5.57	5.43	36.79	12.12	12.05
217	7.39	6.22	8.21	47.46	12.72	12.34
241	10.35	8.59	10.02	96.18	14.41	13.35
265	10.61	8.73	7.77	109.46	19.55	19.27
289	11.53	10.35	12.94	132.79	20.22	19.86
313	13.75	12.39	11.2	165.7	23.31	22.59
337	19.31	13.82	11.99	8000	31.13	23.65
361	17.63	15.51	19.75	8000	31.89	30.84
385	25.26	15.98	19.89	8000	31.98	31.06
409	22.1	19.18	18.25	-	32.28	32.92
433	26.43	21.45	18.35	-	46.11	32.9
457	27.18	23.54	23.55	-	48.22	45.41
481	33.96	26.07	25.64	-	48.41	48.15
505	34.93	31.09	26.64	-	50.75	47.96
529	37.12	36.38	29.61	-	59.89	50.62
553	42.12	37.0	29.9	-	74.48	72.01
577	46.59	35.3	30.87	-	76.23	73.41
601	45.27	38.62	38.61	-	106.81	54.54
625	53.44	36.84	39.4	-	79.73	78.42
649	56.33	50.84	43.23	-	112.22	56.94
673	57.43	55.72	44.82	-	111.7	59.53
697	59.39	56.7	44.95	-	116.27	80.73
721	70.78	58.18	51.46	-	122.84	64.84
745	76.98	63.64	63.37	-	138.95	87.96
769	74.3	64.04	63.93	-	173.97	89.26
793	89.87	66.55	65.67	-	174.4	92.11
817	90.04	79.12	67.14	-	178.22	91.16
841	8000	80.52	68.16	-	179.66	125.43
865	8000	81.49	69.25	-	183.5	127.35
889	8000	89.47	71.64	-	184.21	129.45
913	-	90.7	71.3	-	184.45	128.86
937	-	91.73	72.86	-	185.82	129.21
961	-	100.5	78.78	-	221.33	132.98

**Cartesian, width 2 chain graphs, shuffle, no preprocessing  
no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
27	5.43	5.43	5.43	5.43	5.43	5.43
53	5.43	5.43	5.43	5.43	5.43	5.43
79	5.43	5.43	5.43	12.54	5.43	5.43
105	5.43	5.43	5.43	27.08	5.43	5.43
131	5.43	5.43	5.43	60.54	5.44	5.43
157	5.43	5.43	5.43	81.4	7.99	7.89
183	6.64	5.43	5.64	131.99	10.89	8.05
209	8.01	5.7	6.7	216.12	12.35	12.09
235	10.33	6.68	8.09	375.74	12.83	12.33
261	11.99	8.16	7.7	8000	19.14	18.67
287	11.26	9.83	15.04	8000	24.01	19.39
313	13.77	12.39	10.78	8000	23.0	17.91
339	19.22	12.91	11.23	8000	23.42	22.71
365	17.68	13.73	18.91	-	24.28	30.24
391	25.04	19.53	19.15	-	32.14	34.7
417	26.24	18.84	17.79	-	33.01	31.26
443	26.63	22.64	18.43	-	46.47	33.36
469	28.13	23.2	23.23	-	48.61	33.27
495	34.07	26.27	25.07	-	50.46	49.05
521	35.94	32.79	26.09	-	52.12	36.33
547	41.29	31.68	27.25	-	71.1	37.73
573	45.84	32.51	28.25	-	74.7	54.62
599	44.41	33.57	29.03	-	85.98	51.73
625	52.88	37.52	37.74	-	88.16	84.05
651	55.79	49.37	42.04	-	91.25	58.27
677	58.2	54.48	42.64	-	117.4	58.5
703	66.35	51.17	43.98	-	112.67	79.46
729	74.61	57.67	46.79	-	119.2	111.3
755	72.36	59.41	48.56	-	137.86	85.38
781	8000	60.68	60.7	-	140.46	88.04
807	8000	63.46	63.38	-	175.77	90.11
833	8000	76.58	65.05	-	178.25	91.46
859	-	77.41	66.01	-	182.5	123.08
885	-	85.73	67.46	-	185.56	131.66
911	-	80.46	68.89	-	263.49	126.31
937	-	89.41	93.45	-	268.68	127.77
963	-	97.85	78.65	-	279.61	134.07
989	-	100.76	100.69	-	226.43	139.47
1015	-	102.79	102.5	-	284.43	137.65
1041	-	122.79	104.57	-	232.32	139.8

**Cartesian, width 2 chain graphs, shuffle, no preprocessing  
clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
25	5.43	5.43	5.43	5.43	5.43	5.43
49	5.43	5.43	5.43	5.43	5.43	5.43
73	5.43	5.43	5.43	5.43	5.43	5.43
97	5.43	5.43	5.43	6.22	5.43	5.43
121	5.43	5.43	5.43	11.53	5.43	5.43
145	5.43	5.43	5.43	17.4	5.52	5.45
169	5.43	5.43	5.43	32.16	8.09	8.0
193	6.03	5.63	6.01	40.32	12.17	11.97
217	7.29	6.25	7.95	66.06	12.46	12.17
241	10.28	8.3	9.73	88.36	19.44	19.16
265	10.45	8.18	7.66	121.24	19.32	18.85
289	14.02	8.91	12.52	148.8	24.11	19.44
313	13.77	12.39	10.78	138.165	23.0	17.91
337	19.02	12.97	11.3	8000	23.64	22.85
361	17.51	13.77	18.81	8000	31.08	31.14
385	24.93	15.28	19.17	8000	31.54	30.35
409	23.5	20.27	17.77	-	35.3	30.41
433	26.02	20.64	17.97	-	45.73	31.88
457	27.42	21.52	23.21	-	46.48	45.43
481	33.17	24.11	24.02	-	50.64	34.93
505	34.57	29.55	25.26	-	51.32	35.59
529	36.52	31.1	26.64	-	56.15	37.68
553	41.43	31.98	27.69	-	71.48	51.33
577	46.09	35.55	28.51	-	75.36	50.08
601	44.46	36.17	36.57	-	75.04	52.42
625	52.88	37.52	37.74	-	88.16	84.05
649	55.59	49.05	42.71	-	91.21	57.89
673	57.7	50.17	42.72	-	92.49	81.88
697	59.81	51.0	44.44	-	118.45	57.61
721	68.83	57.53	46.82	-	117.08	80.22
745	75.83	58.89	46.93	-	118.54	84.74
769	73.37	60.05	60.41	-	141.93	86.91
793	87.89	62.88	62.09	-	173.02	88.78
817	8000	75.38	64.26	-	177.0	121.02
841	8000	76.92	65.84	-	209.02	91.81
865	8000	78.04	68.35	-	216.05	93.41
889	-	85.9	67.41	-	188.11	126.41
913	-	87.42	69.1	-	215.52	126.62
937	-	89.41	93.45	-	268.68	127.77
961	-	96.99	78.21	-	222.05	132.37











**Cartesian, width 5 chain graphs, no shuffle, no preprocessing  
no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
39	5.43	5.43	5.43	5.43	5.43	5.43
74	5.43	5.43	5.43	5.43	5.43	5.43
109	5.43	5.43	5.43	23.37	5.43	5.43
144	5.43	5.43	5.43	45.8	5.66	9.81
179	5.43	5.43	6.46	107.74	8.24	15.01
214	6.57	6.03	8.04	145.73	12.52	23.4
249	8.91	7.15	9.76	245.02	23.0	29.64
284	10.87	8.3	15.23	335.68	31.03	42.2
319	14.24	11.36	18.3	486.91	30.32	41.28
354	16.98	12.21	23.43	8000	42.49	41.59
389	17.95	19.84	26.48	8000	42.7	91.88
424	22.43	17.73	28.83	8000	62.52	94.14
459	26.76	18.81	23.44	-	63.61	144.23
494	34.03	25.83	33.07	-	67.11	148.76
529	35.96	28.35	46.63	-	100.05	152.55
564	37.29	29.33	47.29	-	102.19	152.81
599	43.04	30.04	38.03	-	104.42	238.63
634	53.56	41.48	71.3	-	156.57	239.53
669	56.24	43.52	56.13	-	158.69	372.0
704	57.86	44.86	56.5	-	162.05	374.05
739	70.6	50.13	80.05	-	166.35	382.44
774	72.61	51.77	92.84	-	248.71	384.11
809	87.11	65.62	114.08	-	251.89	389.27
844	88.89	67.42	115.47	-	256.42	601.09
879	91.23	69.18	136.7	-	388.06	611.75
914	95.89	70.71	118.34	-	391.09	957.72
949	111.85	78.74	175.07	-	397.17	617.14
984	124.45	82.5	179.69	-	402.27	962.63
1019	126.96	84.43	132.86	-	405.08	969.02
1054	8000	108.64	187.52	-	409.03	969.29
1089	8000	120.08	200.67	-	629.15	1537.14
1124	8000	122.81	153.33	-	635.34	985.97
1159	8000	124.25	201.46	-	637.65	1555.95
1194	-	128.89	208.0	-	641.18	1563.19
1229	-	131.99	210.52	-	647.54	1563.59
1264	-	133.6	290.13	-	649.34	2471.99
1299	-	134.79	294.9	-	653.43	1570.73
1334	-	169.3	295.35	-	1001.27	2483.31
1369	-	170.03	223.73	-	1002.61	2494.65
1404	-	173.55	303.1	-	1010.17	2502.19

**Cartesian, width 5 chain graphs, no shuffle, no preprocessing  
clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
44	5.43	5.43	5.43	5.43	5.43	5.43
84	5.43	5.43	5.43	5.43	5.43	5.43
124	5.43	5.43	5.43	9.74	5.43	5.43
164	5.43	5.43	6.25	24.64	8.05	7.97
204	6.06	5.43	7.58	35.09	12.11	11.95
244	10.11	8.44	10.83	87.82	23.9	30.56
284	10.87	8.3	15.23	125.88	31.03	42.2
324	14.38	11.44	15.87	155.57	30.45	59.88
364	17.31	12.49	23.62	170.11	42.79	60.4
404	20.97	17.63	28.86	8000	42.62	61.63
444	23.64	18.45	29.68	8000	63.68	94.6
484	29.36	21.15	32.53	8000	67.02	148.12
524	35.15	27.59	35.12	-	99.23	233.73
564	37.29	29.33	47.29	-	102.19	152.81
604	43.42	30.33	68.19	-	153.71	238.4
644	54.8	42.64	54.29	-	157.62	369.47
684	56.91	44.17	55.7	-	159.67	242.66
724	62.95	49.71	78.68	-	245.29	378.53
764	71.94	51.64	82.62	-	247.85	384.9
804	86.73	53.93	84.25	-	252.63	598.08
844	88.89	67.42	115.47	-	256.42	601.09
884	91.46	69.11	88.1	-	388.38	611.97
924	106.57	71.0	91.07	-	392.7	957.6
964	113.37	80.09	147.55	-	397.51	958.53
1004	118.54	83.71	162.91	-	403.24	962.57
1044	139.345	108.14	187.54	-	407.86	968.77
1084	8000	120.49	200.39	-	629.3	979.95
1124	8000	122.81	153.33	-	635.34	985.97
1164	8000	125.42	155.62	-	636.71	1001.92
1204	-	130.28	209.48	-	642.91	1556.82
1244	-	132.62	213.95	-	647.37	1561.29
1284	-	134.95	216.38	-	652.36	2469.68
1324	-	167.27	345.2	-	655.65	2481.23
1364	-	169.7	226.38	-	1003.7	2479.33
1404	-	173.55	303.1	-	1010.17	2502.19
1444	-	192.75	241.06	-	1022.38	2488.59
1484	-	198.84	455.19	-	1030.99	2506.91
1524	-	202.45	252.95	-	1038.18	2500.13
1564	-	205.05	333.34	-	1044.7	2523.4
1604	-	228.44	360.16	-	1622.48	4008.53

**Cartesian, width 5 chain graphs, shuffle, no preprocessing  
no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
39	5.43	5.43	5.43	5.43	5.43	5.43
74	5.43	5.43	5.43	5.43	5.43	5.43
109	5.43	5.43	5.43	18.98	5.43	5.43
144	5.43	5.43	5.43	41.29	5.49	5.46
179	5.43	5.43	5.43	73.49	8.08	7.95
214	6.32	5.43	7.67	146.16	12.14	11.94
249	8.83	7.7	8.47	205.47	22.83	29.59
284	10.63	7.78	14.77	330.81	30.68	41.86
319	13.58	10.79	15.04	523.59	29.44	40.43
354	16.7	11.47	18.38	8000	41.62	59.66
389	22.01	19.14	30.1	8000	42.01	61.21
424	21.66	17.83	29.05	8000	62.19	93.35
459	25.95	18.25	22.98	-	64.31	94.56
494	32.9	24.03	31.5	-	96.88	148.42
529	35.43	26.12	44.37	-	99.43	154.71
564	37.22	27.05	46.05	-	101.36	235.34
599	43.08	28.48	48.61	-	153.02	237.45
634	51.93	39.43	51.98	-	156.14	238.06
669	54.72	41.8	54.1	-	159.44	376.21
704	56.65	43.12	72.88	-	241.72	372.57
739	67.93	46.02	58.47	-	164.88	379.68
774	71.08	47.63	78.7	-	247.37	598.83
809	86.44	62.12	82.23	-	253.51	384.58
844	88.86	63.66	84.16	-	255.01	600.21
879	91.01	65.28	115.79	-	388.64	601.63
914	94.78	67.05	118.24	-	391.93	606.86
949	107.74	76.32	174.84	-	398.29	954.99
984	112.92	79.69	128.68	-	403.5	960.7
1019	8000	81.68	101.73	-	406.26	970.0
1054	8000	103.43	134.11	-	617.41	970.55
1089	8000	107.92	188.06	-	625.07	974.29
1124	8000	110.96	190.74	-	628.88	1537.3
1159	-	113.15	147.07	-	633.23	1546.73
1194	-	119.07	198.23	-	638.64	1552.7
1229	-	120.27	199.37	-	644.21	1558.25
1264	-	125.03	204.91	-	651.59	1563.14
1299	-	125.84	287.21	-	652.08	1552.12
1334	-	160.16	288.68	-	999.07	2474.86
1369	-	161.32	293.88	-	1004.37	2486.8
1404	-	165.13	218.6	-	1013.81	2487.65

**Cartesian, width 5 chain graphs, shuffle, no preprocessing  
clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
44	5.43	5.43	5.43	5.43	5.43	5.43
84	5.43	5.43	5.43	5.43	5.43	5.43
124	5.43	5.43	5.43	8.8	5.43	5.43
164	5.43	5.43	5.43	24.68	7.92	7.83
204	6.03	5.43	6.65	35.11	12.04	17.45
244	10.03	8.16	9.69	80.51	23.62	30.51
284	10.63	7.78	14.77	120.65	30.68	41.86
324	13.79	10.82	17.72	154.93	29.45	40.46
364	17.03	11.73	23.01	195.48	41.9	59.92
404	20.94	17.72	22.04	8000	42.33	92.56
444	27.12	18.39	33.93	8000	63.23	94.43
484	27.66	19.29	35.29	8000	66.43	195.29
524	34.46	25.18	32.52	-	98.93	150.31
564	37.22	27.05	46.05	-	101.36	235.34
604	43.3	28.34	66.37	-	104.7	238.27
644	53.33	41.02	70.98	-	158.15	369.6
684	55.62	42.26	72.79	-	160.78	373.25
724	59.52	45.68	57.72	-	164.05	378.52
764	70.15	47.17	78.82	-	246.03	382.48
804	86.23	50.62	80.9	-	251.77	602.7
844	88.86	63.66	84.16	-	255.01	600.21
884	91.46	65.59	85.97	-	389.03	605.81
924	105.46	67.59	89.13	-	393.54	606.96
964	109.29	77.21	127.59	-	400.62	964.75
1004	122.62	80.74	148.11	-	404.1	967.71
1044	8000	102.89	131.99	-	619.94	971.15
1084	8000	107.28	139.49	-	623.11	974.2
1124	8000	110.96	190.74	-	628.88	1537.3
1164	-	113.77	146.04	-	632.97	1547.6
1204	-	118.86	200.84	-	640.37	1545.91
1244	-	122.81	201.99	-	648.03	1558.8
1284	-	125.81	206.13	-	654.0	1570.33
1324	-	158.54	210.19	-	997.27	1573.66
1364	-	161.53	290.81	-	1002.05	2481.53
1404	-	165.13	218.6	-	1013.81	2487.65
1444	-	182.52	235.71	-	1024.75	2492.61
1484	-	190.17	320.3	-	1034.72	2500.88
1524	-	194.83	372.91	-	1044.73	2499.91
1564	-	197.96	331.05	-	1042.34	2508.29
1604	-	207.3	386.76	-	1332.945	2520.85

**Cartesian, width 5 chain graphs, no shuffle, preprocessing  
no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
39	5.57	5.57	5.57	5.57	5.57	5.57
74	6.1	6.1	6.1	6.1	6.1	6.1
109	6.69	6.69	6.69	6.69	6.69	6.69
144	7.69	7.69	7.69	7.69	7.69	7.69
179	8.54	8.54	8.54	8.54	8.54	8.54
214	10.86	10.86	10.86	10.86	10.86	10.86
249	12.58	12.58	12.58	12.58	12.58	12.58
284	13.8	13.8	13.8	13.8	13.8	13.8
319	18.14	18.14	18.14	18.14	18.14	18.14
354	19.41	19.41	19.41	19.41	19.41	19.41
389	25.55	25.55	25.55	25.55	25.55	25.55
424	27.77	27.77	27.77	27.77	27.77	27.77
459	29.09	29.09	29.09	29.09	29.09	29.09
494	43.23	43.23	43.23	43.23	43.23	43.23
529	45.16	45.16	45.16	45.16	45.16	45.16
564	46.45	46.45	46.45	46.45	46.45	46.45
599	47.69	47.69	47.69	47.69	47.69	47.69
634	66.27	66.27	66.27	66.27	66.27	66.27
669	68.46	68.46	68.46	68.46	68.46	68.46
704	69.93	69.93	69.93	69.93	69.93	69.93
739	81.7	81.7	81.7	81.7	81.7	81.7
774	99.22	99.22	99.22	99.22	99.22	99.22
809	109.61	109.61	109.61	109.61	109.61	109.61
844	111.54	111.54	111.54	111.54	111.54	111.54
879	113.44	113.44	113.44	113.44	113.44	113.44
914	115.37	115.37	115.37	115.37	115.37	115.37
949	124.47	124.47	124.47	124.47	124.47	124.47
984	128.57	128.57	128.57	128.57	128.57	128.57
1019	167.88	167.88	167.88	167.88	167.88	167.88
1054	169.92	169.92	169.92	169.92	169.92	169.92
1089	194.54	194.54	194.54	194.54	194.54	194.54
1124	197.64	197.64	197.64	197.64	197.64	197.64
1159	202.84	202.84	202.84	202.84	202.84	202.84
1194	207.39	207.39	207.39	207.39	207.39	207.39
1229	209.66	209.66	209.66	209.66	209.66	209.66
1264	272.33	272.33	272.33	272.33	272.33	272.33
1299	275.14	275.14	275.14	275.14	275.14	275.14
1334	277.94	277.94	277.94	277.94	277.94	277.94
1369	280.88	280.88	280.88	280.88	280.88	280.88
1404	284.1	284.1	284.1	284.1	284.1	284.1







**Cartesian, width 5 chain graphs, shuffle, preprocessing  
clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
44	5.57	5.57	5.57	5.57	5.57	5.57
84	6.19	6.19	6.19	6.19	6.19	6.19
124	7.01	7.01	7.01	7.01	7.01	7.01
164	8.16	8.16	8.16	8.16	8.16	8.16
204	9.41	9.41	9.41	9.41	9.41	9.41
244	12.44	12.44	12.44	12.44	12.44	12.44
284	14.14	14.14	14.14	14.14	14.14	14.14
324	18.17	18.17	18.17	18.17	18.17	18.17
364	19.54	19.54	19.54	19.54	19.54	19.54
404	26.06	26.06	26.06	26.06	26.06	26.06
444	26.73	26.73	26.73	26.73	26.73	26.73
484	42.7	42.7	42.7	42.7	42.7	42.7
524	44.42	44.42	44.42	44.42	44.42	44.42
564	46.8	46.8	46.8	46.8	46.8	46.8
604	44.21	44.21	44.21	44.21	44.21	44.21
644	69.43	69.43	69.43	69.43	69.43	69.43
684	71.16	71.16	71.16	71.16	71.16	71.16
724	80.43	80.43	80.43	80.43	80.43	80.43
764	82.88	82.88	82.88	82.88	82.88	82.88
804	109.49	109.49	109.49	109.49	109.49	109.49
844	112.28	112.28	112.28	112.28	112.28	112.28
884	114.96	114.96	114.96	114.96	114.96	114.96
924	117.54	117.54	117.54	117.54	117.54	117.54
964	130.09	130.09	130.09	130.09	130.09	130.09
1004	141.59	141.59	141.59	141.59	141.59	141.59
1044	174.13	174.13	174.13	174.13	174.13	174.13
1084	193.43	193.43	193.43	193.43	193.43	193.43
1124	197.34	197.34	197.34	197.34	197.34	197.34
1164	201.55	201.55	201.55	201.55	201.55	201.55
1204	208.23	208.23	208.23	208.23	208.23	208.23
1244	212.61	212.61	212.61	212.61	212.61	212.61
1284	276.18	276.18	276.18	276.18	276.18	276.18
1324	280.47	280.47	280.47	280.47	280.47	280.47
1364	235.67	235.67	235.67	235.67	235.67	235.67
1404	288.16	288.16	288.16	288.16	288.16	288.16
1444	8000	8000	8000	8000	8000	8000
1484	8000	8000	8000	8000	8000	8000
1524	8000	8000	8000	8000	8000	8000

# **Pebbling formulas with substitution or of arity 2**

**Pebbling formulas, Gilbert-Tarjan graphs, substitution or 2  
no shuffle, no preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
22	5.43	5.43	5.43	5.43	5.43	5.43
304	5.43	5.43	5.43	22.39	5.43	5.43
848	5.43	5.43	20.02	82.88	5.43	7.16
1512	5.43	5.43	18.75	191.75	10.41	11.24
2384	5.43	5.43	35.42	8000	18.54	28.53
2792	5.43	5.43	108.44	8000	17.66	30.8
4192	6.26	5.43	11.67	8000	23.34	95.52
4456	6.29	5.43	25.62	8000	23.38	96.07
6432	9.17	9.17	138.98	-	45.54	69.02
6696	9.21	9.21	296.11	-	45.27	157.25
7616	9.56	9.47	73.32	-	45.96	106.07
7880	9.6	6.89	26.14	-	48.73	255.75
11136	14.61	10.03	72.67	-	111.0	419.54
11400	14.65	10.08	60.25	-	82.0	117.18
11936	14.72	10.13	37.82	-	84.78	397.2
12200	14.94	10.34	26.62	-	57.34	113.54
16736	22.74	22.77	353.76	-	120.19	510.25
17000	22.76	22.83	363.3	-	115.15	167.61
17536	22.86	22.89	793.74	-	120.47	165.54
17800	23.25	22.89	8000	-	120.11	282.09
19968	23.98	23.59	114.99	-	120.82	419.76
20232	24.01	23.61	364.44	-	121.35	203.16
20768	24.06	23.64	188.68	-	120.94	2222.39
21032	24.07	23.67	122.14	-	121.26	353.48
28576	36.02	29.54	100.43	-	205.92	955.73
28840	36.175	29.77	140.93	-	209.2	303.08
29376	8000	29.65	149.67	-	205.64	1281.12
29640	8000	29.82	190.54	-	206.99	305.59
30848	8000	29.7	322.3	-	205.98	433.23
31112	8000	30.24	228.78	-	281.48	750.47
31648	-	30.37	462.87	-	281.0	1020.11
31912	-	30.33	192.85	-	281.66	1062.54
42272	-	47.21	824.95	-	304.69	1615.12
42536	-	46.76	543.47	-	224.29	1619.68
43072	-	47.04	893.23	-	227.24	297.06
43336	-	46.99	904.11	-	223.38	1050.79
44544	-	47.26	8000	-	301.57	1407.26
44808	-	47.72	8000	-	302.18	923.95
45344	-	47.86	875.07	-	301.47	687.95
45608	-	47.47	1541.14	-	303.74	432.52

**Pebbling formulas, Gilbert-Tarjan graphs, substitution or 2  
no shuffle, no preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
22	5.43	5.43	5.43	5.43	5.43	5.43
498	5.43	5.43	5.43	5.43	5.43	5.43
976	5.43	5.43	5.43	5.43	5.43	5.43
2362	5.43	5.43	5.59	6.98	5.43	5.43
2792	5.43	5.43	5.66	8.29	5.43	6.7
4250	5.43	5.43	8.21	16.31	8.7	9.14
4536	5.43	5.43	5.52	16.25	8.91	9.11
6674	6.45	6.93	11.07	21.86	13.48	27.69
7616	6.92	6.71	16.93	34.7	23.16	22.12
7938	6.81	6.83	9.17	31.11	25.4	29.3
11216	10.2	10.14	17.89	38.38	59.91	28.46
11914	10.23	10.05	17.97	42.82	24.43	52.8
12200	10.5	10.28	13.14	39.77	26.88	40.2
16794	15.36	15.36	49.82	55.2	47.05	97.66
17080	15.42	15.28	52.16	49.08	49.86	40.73
17778	15.46	15.57	47.8	50.31	46.77	78.0
19968	17.49	15.87	41.36	75.21	48.07	72.3
20290	17.67	15.96	39.29	70.92	42.96	94.46
20848	16.13	16.14	30.53	68.51	56.68	75.38
28554	25.51	24.61	54.62	8000	101.57	237.64
28840	25.52	25.09	46.8	8000	93.47	99.49
29434	26.08	25.2	70.68	8000	78.89	162.41
29720	25.14	25.2	43.74	-	101.92	91.14
31090	25.5	25.37	36.45	-	152.77	97.8
31648	29.57	25.43	44.99	-	164.39	125.82
31970	29.73	25.53	39.12	-	239.82	108.85
42352	8000	34.76	133.12	-	128.71	273.16
43050	8000	34.78	156.57	-	110.6	163.09
43336	8000	34.81	159.18	-	120.21	106.73
44602	-	37.64	196.06	-	122.07	119.28
44888	-	37.79	158.67	-	113.52	130.17
45586	-	37.98	201.14	-	103.85	137.11
50720	-	43.84	140.04	-	128.98	216.81
51042	-	43.9	141.39	-	121.09	199.95
51600	-	44.02	153.89	-	163.5	365.52
52970	-	44.44	104.82	-	135.05	229.3
53256	-	44.46	101.1	-	147.38	253.71
53850	-	44.61	79.73	-	180.16	225.54
54136	-	44.68	124.43	-	156.86	189.62
71570	-	8000	127.59	-	228.12	382.22

**Pebbling formulas, Gilbert-Tarjan graphs, substitution or 2  
shuffle, no preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
22	5.43	5.43	5.43	5.43	5.43	5.43
304	5.43	5.43	5.43	18.07	5.43	5.43
848	5.43	5.43	5.43	52.59	5.43	5.87
1512	5.43	5.43	7.88	133.8	10.4	11.21
2384	5.43	5.43	71.89	8000	17.47	17.43
2792	5.43	5.43	65.05	8000	17.66	23.89
4192	6.27	5.43	18.75	8000	23.34	49.84
4456	6.29	5.43	32.0	8000	23.45	49.51
6432	9.18	9.19	795.99	-	45.64	73.28
6696	9.21	9.2	409.42	-	45.23	48.0
7616	9.57	9.48	55.69	-	48.66	46.73
7880	9.62	6.88	85.46	-	48.7	270.91
11136	14.64	14.09	185.92	-	81.96	544.25
11400	14.66	10.07	34.96	-	111.66	220.8
11936	14.73	10.11	38.0	-	57.21	669.76
12200	14.96	10.33	24.84	-	55.12	197.43
16736	22.79	22.36	216.9	-	120.03	119.94
17000	22.83	22.41	229.3	-	116.86	120.64
17536	22.91	22.83	8000	-	114.69	120.43
17800	22.98	22.86	366.55	-	115.55	261.62
19968	23.98	23.56	357.16	-	122.92	623.92
20232	24.02	23.59	385.02	-	121.0	121.96
20768	24.1	23.63	288.03	-	120.96	1743.23
21032	24.15	23.65	84.2	-	121.32	1641.66
28576	8000	29.34	348.83	-	206.27	886.14
28840	8000	29.5	401.12	-	206.9	434.37
29376	8000	29.54	299.4	-	206.02	430.81
29640	-	29.72	138.91	-	205.23	305.92
30848	-	30.16	188.04	-	205.44	1081.27
31112	-	30.15	378.35	-	205.09	890.04
31648	-	30.19	162.57	-	203.45	3130.18
31912	-	30.43	104.05	-	281.64	645.65
42272	-	46.5	596.3	-	224.87	1151.23
42536	-	46.92	8000	-	262.625	1998.1
43072	-	47.17	884.34	-	302.42	1290.66
43336	-	46.98	8000	-	300.91	435.16
44544	-	47.0	8000	-	265.46	3583.8
44808	-	47.46	8000	-	304.51	891.96
45344	-	47.73	-	-	301.84	1063.96
45608	-	47.65	-	-	305.9	297.72

**Pebbling formulas, Gilbert-Tarjan graphs, substitution or 2  
shuffle, no preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
22	5.43	5.43	5.43	5.43	5.43	5.43
498	5.43	5.43	5.43	5.43	5.43	5.43
976	5.43	5.43	5.43	5.43	5.43	5.43
2362	5.43	5.43	6.01	7.12	5.43	5.43
2792	5.43	5.43	5.43	8.63	5.47	7.23
4250	5.43	5.43	7.0	15.76	9.32	16.77
4536	5.43	5.43	5.54	17.89	8.54	9.71
6674	6.46	6.96	12.01	20.64	11.8	24.86
7616	6.94	6.71	14.09	31.42	26.37	27.11
7938	6.82	6.8	9.83	29.72	29.02	42.05
11216	10.21	10.14	20.16	39.66	50.4	36.08
11914	10.23	10.07	16.89	49.97	27.5	37.0
12200	10.52	10.29	17.84	46.76	24.31	30.07
16794	15.4	15.15	50.67	49.55	48.46	36.48
17080	15.45	15.32	44.34	52.36	43.98	66.59
17778	13.46	15.54	47.39	45.79	52.3	40.62
19968	17.54	15.89	47.87	78.27	52.38	74.07
20290	17.66	15.93	52.18	82.09	45.3	107.96
20848	16.16	16.11	26.57	65.95	48.37	83.6
28554	25.53	24.62	48.58	8000	104.61	121.5
28840	25.54	25.05	44.15	8000	105.11	128.32
29434	26.11	25.17	46.43	8000	96.75	108.02
29720	25.17	25.19	43.44	-	83.12	97.37
31090	25.52	25.36	48.65	-	118.91	141.45
31648	27.0	25.42	41.49	-	146.4	172.85
31970	29.78	25.48	47.06	-	104.84	131.04
42352	8000	34.67	149.99	-	129.02	214.43
43050	8000	34.73	168.95	-	128.68	482.74
43336	8000	34.77	160.41	-	117.89	121.4
44602	-	37.68	176.07	-	131.44	145.71
44888	-	37.72	180.95	-	116.96	106.29
45586	-	37.91	145.51	-	132.36	179.41
50720	-	43.71	129.68	-	134.04	273.27
51042	-	43.82	152.55	-	144.06	206.59
51600	-	43.92	137.0	-	138.49	254.9
52970	-	44.34	121.35	-	151.13	805.44
53256	-	44.45	109.32	-	122.77	270.51
53850	-	44.48	72.25	-	168.14	218.45
54136	-	44.64	108.82	-	122.62	216.73
71570	-	8000	194.06	-	8000	531.56

**Pebbling formulas, Gilbert-Tarjan graphs, substitution or 2  
no shuffle, preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
22	5.44	5.44	5.44	5.44	5.44	5.44
304	5.57	5.57	5.57	5.57	5.57	5.57
848	5.7	5.7	5.7	5.7	5.7	5.7
1512	5.96	5.96	5.96	5.96	5.96	5.96
2384	6.13	6.13	6.13	6.13	6.13	6.13
2792	6.28	6.28	6.28	6.28	6.28	6.28
4192	6.73	6.73	6.73	6.73	6.73	6.73
4456	6.71	6.71	6.71	6.71	6.71	6.71
6432	7.41	7.41	7.41	7.41	7.41	7.41
6696	7.57	7.57	7.57	7.57	7.57	7.57
7616	8.0	8.0	8.0	8.0	8.0	8.0
7880	8.0	8.0	8.0	8.0	8.0	8.0
11136	9.18	9.18	9.18	9.18	9.18	9.18
11400	9.17	9.17	9.17	9.17	9.17	9.17
11936	9.17	9.17	9.17	9.17	9.17	9.17
12200	9.5	9.5	9.5	9.5	9.5	9.5
16736	11.04	11.04	11.04	11.04	11.04	11.04
17000	10.92	10.92	10.92	10.92	10.92	10.92
17536	11.12	11.12	11.12	11.12	11.12	11.12
17800	11.16	11.16	11.16	11.16	11.16	11.16
19968	12.11	12.11	12.11	12.11	12.11	12.11
20232	12.14	12.14	12.14	12.14	12.14	12.14
20768	12.34	12.34	12.34	12.34	12.34	12.34
21032	12.42	12.42	12.42	12.42	12.42	12.42
28576	14.7	14.7	14.7	14.7	14.7	14.7
28840	14.8	14.8	14.8	14.8	14.8	14.8
29376	14.84	14.84	14.84	14.84	14.84	14.84
29640	14.86	14.86	14.86	14.86	14.86	14.86
30848	14.8	14.8	14.8	14.8	14.8	14.8
31112	15.34	15.34	15.34	15.34	15.34	15.34
31648	15.39	15.39	15.39	15.39	15.39	15.39
31912	15.23	15.23	15.23	15.23	15.23	15.23
42272	19.39	19.39	19.39	19.39	19.39	19.39
42536	19.41	19.41	19.41	19.41	19.41	19.41
43072	19.45	19.45	19.45	19.45	19.45	19.45
43336	19.5	19.5	19.5	19.5	19.5	19.5
44544	20.12	20.12	20.12	20.12	20.12	20.12
44808	19.86	19.86	19.86	19.86	19.86	19.86
45344	19.91	19.91	19.91	19.91	19.91	19.91
45608	20.04	20.04	20.04	20.04	20.04	20.04



**Pebbling formulas, Gilbert-Tarjan graphs, substitution or 2  
no shuffle, preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
22	5.44	5.44	5.44	5.44	5.44	5.44
498	5.57	5.57	5.57	5.57	5.57	5.57
976	5.7	5.7	5.7	5.7	5.7	5.7
2362	6.14	6.14	6.14	6.14	6.14	6.14
2792	6.28	6.28	6.28	6.28	6.28	6.28
4250	6.7	6.7	6.7	6.7	6.7	6.7
4536	6.72	6.72	6.72	6.72	6.72	6.72
6674	7.54	7.54	7.54	7.54	7.54	7.54
7616	8.0	8.0	8.0	8.0	8.0	8.0
7938	8.16	8.16	8.16	8.16	8.16	8.16
11216	9.2	9.2	9.2	9.2	9.2	9.2
11914	9.21	9.21	9.21	9.21	9.21	9.21
12200	9.5	9.5	9.5	9.5	9.5	9.5
16794	11.01	11.01	11.01	11.01	11.01	11.01
17080	10.93	10.93	10.93	10.93	10.93	10.93
17778	11.16	11.16	11.16	11.16	11.16	11.16
19968	12.11	12.11	12.11	12.11	12.11	12.11
20290	12.22	12.22	12.22	12.22	12.22	12.22
20848	12.41	12.41	12.41	12.41	12.41	12.41
28554	14.7	14.7	14.7	14.7	14.7	14.7
28840	14.8	14.8	14.8	14.8	14.8	14.8
29434	14.85	14.85	14.85	14.85	14.85	14.85
29720	14.86	14.86	14.86	14.86	14.86	14.86
31090	15.34	15.34	15.34	15.34	15.34	15.34
31648	15.39	15.39	15.39	15.39	15.39	15.39
31970	15.42	15.42	15.42	15.42	15.42	15.42
42352	19.4	19.4	19.4	19.4	19.4	19.4
43050	19.48	19.48	19.48	19.48	19.48	19.48
43336	19.5	19.5	19.5	19.5	19.5	19.5
44602	19.84	19.84	19.84	19.84	19.84	19.84
44888	19.88	19.88	19.88	19.88	19.88	19.88
45586	19.92	19.92	19.92	19.92	19.92	19.92
50720	20.96	20.96	20.96	20.96	20.96	20.96
51042	20.94	20.94	20.94	20.94	20.94	20.94
51600	22.0	22.0	22.0	22.0	22.0	22.0
52970	22.14	22.14	22.14	22.14	22.14	22.14
53256	22.09	22.09	22.09	22.09	22.09	22.09
53850	22.67	22.67	22.67	22.67	22.67	22.67
54136	22.68	22.68	22.68	22.68	22.68	22.68
71570	30.91	30.91	30.91	30.91	30.91	30.91

**Pebbling formulas, Gilbert-Tarjan graphs, substitution or 2  
shuffle, preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
22	5.44	5.44	5.44	5.44	5.44	5.44
304	5.57	5.57	5.57	5.57	5.57	5.57
848	5.7	5.7	5.7	5.7	5.7	5.7
1512	5.87	5.87	5.87	5.87	5.87	5.87
2384	6.26	6.26	6.26	6.26	6.26	6.26
2792	6.3	6.3	6.3	6.3	6.3	6.3
4192	6.9	6.9	6.9	6.9	6.9	6.9
4456	6.88	6.88	6.88	6.88	6.88	6.88
6432	7.62	7.62	7.62	7.62	7.62	7.62
6696	7.65	7.65	7.65	7.65	7.65	7.65
7616	8.19	8.19	8.19	8.19	8.19	8.19
7880	8.23	8.23	8.23	8.23	8.23	8.23
11136	9.24	9.24	9.24	9.24	9.24	9.24
11400	9.45	9.45	9.45	9.45	9.45	9.45
11936	9.43	9.43	9.43	9.43	9.43	9.43
12200	9.69	9.69	9.69	9.69	9.69	9.69
16736	11.3	11.3	11.3	11.3	11.3	11.3
17000	11.31	11.31	11.31	11.31	11.31	11.31
17536	11.51	11.51	11.51	11.51	11.51	11.51
17800	11.39	11.39	11.39	11.39	11.39	11.39
19968	12.54	12.54	12.54	12.54	12.54	12.54
20232	12.54	12.54	12.54	12.54	12.54	12.54
20768	12.81	12.81	12.81	12.81	12.81	12.81
21032	12.84	12.84	12.84	12.84	12.84	12.84
28576	15.14	15.14	15.14	15.14	15.14	15.14
28840	15.28	15.28	15.28	15.28	15.28	15.28
29376	15.35	15.35	15.35	15.35	15.35	15.35
29640	15.3	15.3	15.3	15.3	15.3	15.3
30848	15.51	15.51	15.51	15.51	15.51	15.51
31112	15.82	15.82	15.82	15.82	15.82	15.82
31648	15.92	15.92	15.92	15.92	15.92	15.92
31912	15.92	15.92	15.92	15.92	15.92	15.92
42272	20.44	20.44	20.44	20.44	20.44	20.44
42536	20.5	20.5	20.5	20.5	20.5	20.5
43072	20.38	20.38	20.38	20.38	20.38	20.38
43336	20.59	20.59	20.59	20.59	20.59	20.59
44544	20.73	20.73	20.73	20.73	20.73	20.73
44808	20.75	20.75	20.75	20.75	20.75	20.75
45344	21.02	21.02	21.02	21.02	21.02	21.02
45608	21.07	21.07	21.07	21.07	21.07	21.07

**Pebbling formulas, Gilbert-Tarjan graphs, substitution or 2  
shuffle, preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
22	5.44	5.44	5.44	5.44	5.44	5.44
498	5.57	5.57	5.57	5.57	5.57	5.57
976	5.7	5.7	5.7	5.7	5.7	5.7
2362	6.13	6.13	6.13	6.13	6.13	6.13
2792	6.3	6.3	6.3	6.3	6.3	6.3
4250	6.9	6.9	6.9	6.9	6.9	6.9
4536	6.89	6.89	6.89	6.89	6.89	6.89
6674	7.65	7.65	7.65	7.65	7.65	7.65
7616	8.19	8.19	8.19	8.19	8.19	8.19
7938	8.23	8.23	8.23	8.23	8.23	8.23
11216	9.23	9.23	9.23	9.23	9.23	9.23
11914	9.42	9.42	9.42	9.42	9.42	9.42
12200	9.69	9.69	9.69	9.69	9.69	9.69
16794	11.31	11.31	11.31	11.31	11.31	11.31
17080	11.29	11.29	11.29	11.29	11.29	11.29
17778	11.43	11.43	11.43	11.43	11.43	11.43
19968	12.54	12.54	12.54	12.54	12.54	12.54
20290	12.55	12.55	12.55	12.55	12.55	12.55
20848	12.78	12.78	12.78	12.78	12.78	12.78
28554	15.13	15.13	15.13	15.13	15.13	15.13
28840	15.28	15.28	15.28	15.28	15.28	15.28
29434	15.35	15.35	15.35	15.35	15.35	15.35
29720	15.27	15.27	15.27	15.27	15.27	15.27
31090	15.82	15.82	15.82	15.82	15.82	15.82
31648	15.92	15.92	15.92	15.92	15.92	15.92
31970	15.92	15.92	15.92	15.92	15.92	15.92
42352	20.25	20.25	20.25	20.25	20.25	20.25
43050	20.55	20.55	20.55	20.55	20.55	20.55
43336	20.59	20.59	20.59	20.59	20.59	20.59
44602	20.75	20.75	20.75	20.75	20.75	20.75
44888	20.97	20.97	20.97	20.97	20.97	20.97
45586	21.0	21.0	21.0	21.0	21.0	21.0
50720	21.92	21.92	21.92	21.92	21.92	21.92
51042	21.96	21.96	21.96	21.96	21.96	21.96
51600	22.75	22.75	22.75	22.75	22.75	22.75
52970	23.37	23.37	23.37	23.37	23.37	23.37
53256	23.39	23.39	23.39	23.39	23.39	23.39
53850	23.46	23.46	23.46	23.46	23.46	23.46
54136	23.5	23.5	23.5	23.5	23.5	23.5
71570	32.17	32.17	32.17	32.17	32.17	32.17

**Pebbling formulas, pyramid graphs, substitution or 2  
no shuffle, no preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
20	5.43	5.43	5.43	5.43	5.43	5.43
182	5.43	5.43	5.43	5.43	5.43	5.43
506	5.43	5.43	5.43	11.44	5.43	5.43
992	5.43	5.43	5.43	18.8	5.43	5.43
1640	5.43	5.43	5.43	23.29	5.43	5.43
2450	5.43	5.43	5.43	23.49	7.96	11.51
3422	5.43	5.43	5.43	24.71	12.04	11.3
4556	5.43	5.43	5.71	35.22	12.23	23.02
5852	5.43	5.43	8.74	36.09	19.15	33.6
7310	5.43	5.43	8.53	39.62	23.42	31.51
8930	7.12	7.04	8.83	38.7	24.36	34.24
10712	7.3	7.17	12.72	41.41	33.2	76.7
12656	7.75	7.63	13.45	39.45	35.54	75.57
14762	10.68	10.45	20.39	42.39	38.38	130.52
17030	11.18	10.99	20.71	44.41	39.3	420.21
19460	11.77	11.54	20.99	44.88	54.01	267.83
22052	11.77	11.56	21.12	61.6	55.88	129.54
24806	17.04	16.64	50.96	63.72	60.16	501.62
27722	17.74	17.4	27.92	66.45	85.65	313.72
30800	17.99	17.66	43.47	67.53	86.7	309.43
34040	18.15	17.8	41.71	64.99	92.73	521.3
37442	19.09	18.68	39.78	67.1	94.69	1082.4
41006	20.54	19.94	43.01	72.34	96.7	852.12
44732	27.62	27.03	96.75	75.1	100.64	537.54
48620	28.01	27.22	99.79	75.16	103.45	1192.25
52670	28.21	27.45	118.92	98.66	105.76	1204.28
56882	29.49	29.0	92.36	100.74	109.72	1316.68
61256	29.82	29.39	95.71	83.23	146.41	2217.78
65792	31.7	30.62	97.84	108.22	159.27	8000
70490	37.57	36.36	141.96	109.23	162.52	8000
75350	38.64	37.34	72.96	87.98	165.92	8000
80372	8000	38.37	98.42	8000	167.22	-
85556	8000	40.86	116.14	8000	226.11	-
90902	8000	42.68	114.23	8000	181.3	-
96410	8000	45.43	116.41	8000	182.96	-
102080	-	46.38	153.21	-	8000	-
107912	-	48.55	178.26	-	8000	-
113906	-	49.95	382.26	-	8000	-
120062	-	57.83	251.43	-	-	-
126380	-	62.44	257.07	-	-	-

**Pebbling formulas, pyramid graphs, substitution or 2  
no shuffle, no preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
20	5.43	5.43	5.43	5.43	5.43	5.43
182	5.43	5.43	5.43	5.43	5.43	5.43
506	5.43	5.43	5.43	5.43	5.43	5.43
992	5.43	5.43	5.43	5.43	5.43	5.43
1640	5.43	5.43	5.43	5.43	5.43	5.43
2450	5.43	5.43	5.43	5.43	5.43	5.43
3422	5.43	5.43	5.43	5.43	5.43	5.43
4556	5.43	5.43	5.43	7.18	6.39	8.19
5852	5.43	5.43	5.43	9.26	8.62	13.24
7310	5.43	5.43	6.19	10.36	11.13	13.38
8930	5.98	6.89	9.09	15.09	13.42	18.97
10712	7.45	7.32	9.0	17.82	14.91	29.02
12656	8.73	8.62	10.42	22.95	21.97	28.14
14762	8.87	8.77	13.6	23.26	20.46	37.64
17030	9.33	9.17	14.29	25.39	26.37	48.08
19460	13.38	13.15	16.05	29.36	27.93	55.14
22052	13.38	13.17	17.01	29.41	34.25	49.36
24806	14.05	16.48	25.77	33.12	35.74	59.67
27722	17.74	17.46	27.51	31.64	62.27	68.5
30800	20.6	20.28	27.71	35.01	54.31	88.52
34040	20.76	20.41	31.59	36.1	50.48	88.89
37442	21.55	21.29	30.42	51.66	55.3	110.3
41006	23.05	22.38	34.27	53.97	57.43	185.7
44732	27.62	27.03	49.21	66.36	65.42	147.81
48620	28.01	27.22	54.52	65.34	75.78	156.03
52670	28.21	27.45	50.06	70.04	72.93	189.96
56882	29.49	29.0	51.88	70.97	79.41	178.37
61256	29.82	29.39	67.17	71.91	81.36	204.55
65792	31.7	30.62	72.73	75.95	125.57	221.54
70490	37.57	36.36	91.04	80.16	117.25	292.11
75350	38.64	37.34	74.02	81.11	129.91	330.67
80372	8000	38.37	62.77	82.295	131.66	315.4
85556	8000	40.86	128.92	84.88	144.68	388.0
90902	8000	42.68	111.63	8000	161.61	389.19
96410	-	45.43	123.57	8000	165.69	406.76
102080	-	46.38	114.75	8000	167.35	390.94
107912	-	48.55	132.76	-	169.7	565.11
113906	-	49.95	159.13	-	172.565	432.95
120062	-	57.83	214.16	-	8000	642.61
126380	-	62.44	206.99	-	8000	627.27

**Pebbling formulas, pyramid graphs, substitution or 2  
shuffle, no preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
20	5.43	5.43	5.43	5.43	5.43	5.43
182	5.43	5.43	5.43	5.43	5.43	5.43
506	5.43	5.43	5.43	11.44	5.43	5.43
992	5.43	5.43	5.43	18.66	5.43	5.43
1640	5.43	5.43	5.43	22.85	5.43	5.43
2450	5.43	5.43	5.43	23.54	7.95	10.46
3422	5.43	5.43	5.43	23.84	11.67	11.68
4556	5.43	5.43	5.75	24.11	19.11	22.66
5852	5.43	5.43	6.1	35.3	18.82	22.54
7310	5.43	5.43	8.62	38.11	23.46	31.5
8930	7.14	7.05	8.9	39.33	24.46	34.29
10712	7.32	7.18	13.31	40.15	34.19	81.54
12656	7.78	7.65	13.43	42.69	35.82	83.19
14762	10.72	10.52	13.56	40.11	38.26	130.56
17030	11.21	11.0	20.92	45.43	39.92	118.05
19460	11.82	11.57	21.39	45.54	54.16	187.06
22052	11.82	11.61	21.74	44.76	56.3	265.43
24806	12.99	16.67	26.45	61.88	61.58	720.46
27722	17.8	17.39	27.47	51.27	85.02	674.57
30800	18.05	17.64	28.29	90.19	87.09	498.62
34040	18.23	17.86	29.52	69.4	89.42	704.51
37442	19.18	18.67	32.32	66.44	93.3	1138.77
41006	20.74	19.98	41.32	73.39	97.01	1737.95
44732	27.62	26.98	43.04	72.09	100.68	1279.09
48620	28.05	27.3	44.99	76.28	103.27	1814.75
52670	28.25	27.61	47.55	99.05	106.32	2868.41
56882	29.62	28.97	50.14	81.83	110.35	8000
61256	29.98	29.41	66.1	82.94	115.4	2944.27
65792	31.91	30.89	67.72	83.64	158.36	2191.59
70490	38.05	36.6	73.45	84.98	162.49	3020.36
75350	38.77	37.73	76.72	8000	166.57	3505.77
80372	8000	38.49	73.23	8000	167.16	8000
85556	8000	41.8	108.59	8000	177.76	8000
90902	8000	42.92	108.21	8000	202.265	8000
96410	-	45.79	114.62	8000	8000	-
102080	-	46.54	104.77	-	8000	-
107912	-	48.98	170.1	-	8000	-
113906	-	50.31	152.9	-	-	-
120062	-	58.29	113.55	-	-	-
126380	-	62.32	165.19	-	-	-

**Pebbling formulas, pyramid graphs, substitution or 2  
shuffle, no preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
20	5.43	5.43	5.43	5.43	5.43	5.43
182	5.43	5.43	5.43	5.43	5.43	5.43
506	5.43	5.43	5.43	5.43	5.43	5.43
992	5.43	5.43	5.43	5.43	5.43	5.43
1640	5.43	5.43	5.43	5.43	5.43	5.43
2450	5.43	5.43	5.43	5.43	5.43	5.43
3422	5.43	5.43	5.43	5.43	5.43	5.43
4556	5.43	5.43	5.43	7.48	6.17	7.97
5852	5.43	5.43	5.43	9.84	8.88	10.58
7310	5.43	5.43	6.52	11.73	10.86	18.47
8930	6.01	6.91	7.25	14.75	13.47	16.43
10712	7.48	7.34	9.92	16.43	19.26	31.34
12656	8.77	8.64	10.05	19.09	24.21	32.43
14762	8.9	8.78	14.43	21.71	21.55	33.22
17030	9.38	9.17	13.2	24.04	23.82	42.51
19460	13.43	13.18	16.41	27.06	26.25	45.23
22052	13.43	13.21	17.63	29.13	32.66	56.75
24806	14.13	13.89	18.77	32.89	35.85	89.51
27722	17.8	17.44	20.41	33.55	46.9	70.09
30800	20.67	20.25	28.46	35.04	49.14	87.36
34040	20.85	20.47	31.9	47.47	50.61	84.62
37442	21.66	21.29	31.0	51.51	55.82	100.47
41006	23.14	22.5	32.37	54.11	57.48	130.54
44732	27.62	26.97	33.73	66.4	61.78	179.06
48620	28.05	27.3	35.36	64.56	70.44	155.7
52670	28.25	27.61	47.58	70.09	72.6	159.19
56882	29.62	28.97	48.91	70.99	79.32	188.85
61256	29.98	29.41	50.16	71.95	81.64	228.31
65792	31.91	30.89	71.84	76.02	125.74	221.65
70490	38.05	36.6	66.27	80.27	117.06	357.64
75350	38.77	37.73	67.42	81.34	112.31	329.14
80372	8000	38.49	65.85	8000	130.92	345.98
85556	8000	41.8	69.9	8000	145.38	347.51
90902	8000	42.92	76.42	8000	160.89	366.27
96410	-	45.79	109.2	8000	137.64	339.15
102080	-	46.54	89.95	-	167.4	399.73
107912	-	48.98	111.72	-	169.47	434.76
113906	-	50.31	93.68	-	171.98	456.78
120062	-	58.29	96.44	-	8000	451.89
126380	-	62.32	132.75	-	8000	432.83

**Pebbling formulas, pyramid graphs, substitution or 2  
no shuffle, preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
20	5.44	5.44	5.44	5.44	5.44	5.44
182	5.57	5.57	5.57	5.57	5.57	5.57
506	5.57	5.57	5.57	5.57	5.57	5.57
992	5.7	5.7	5.7	5.7	5.7	5.7
1640	5.99	5.99	5.99	5.99	5.99	5.99
2450	6.22	6.22	6.22	6.22	6.22	6.22
3422	6.56	6.56	6.56	6.56	6.56	6.56
4556	6.84	6.84	6.84	6.84	6.84	6.84
5852	7.34	7.34	7.34	7.34	7.34	7.34
7310	7.7	7.7	7.7	7.7	7.7	7.7
8930	8.26	8.26	8.26	8.26	8.26	8.26
10712	8.55	8.55	8.55	8.55	8.55	8.55
12656	9.54	9.54	9.54	9.54	9.54	9.54
14762	10.06	10.06	10.06	10.06	10.06	10.06
17030	10.8	10.8	10.8	10.8	10.8	10.8
19460	11.75	11.75	11.75	11.75	11.75	11.75
22052	12.59	12.59	12.59	12.59	12.59	12.59
24806	13.65	13.65	13.65	13.65	13.65	13.65
27722	14.67	14.67	14.67	14.67	14.67	14.67
30800	15.16	15.16	15.16	15.16	15.16	15.16
34040	16.34	16.34	16.34	16.34	16.34	16.34
37442	17.82	17.82	17.82	17.82	17.82	17.82
41006	19.32	19.32	19.32	19.32	19.32	19.32
44732	19.65	19.65	19.65	19.65	19.65	19.65
48620	20.73	20.73	20.73	20.73	20.73	20.73
52670	21.09	21.09	21.09	21.09	21.09	21.09
56882	24.3	24.3	24.3	24.3	24.3	24.3
61256	24.92	24.92	24.92	24.92	24.92	24.92
65792	27.25	27.25	27.25	27.25	27.25	27.25
70490	27.94	27.94	27.94	27.94	27.94	27.94
75350	31.42	31.42	31.42	31.42	31.42	31.42
80372	31.85	31.85	31.85	31.85	31.85	31.85
85556	34.98	34.98	34.98	34.98	34.98	34.98
90902	37.55	37.55	37.55	37.55	37.55	37.55
96410	40.0	40.0	40.0	40.0	40.0	40.0
102080	41.11	41.11	41.11	41.11	41.11	41.11
107912	42.88	42.88	42.88	42.88	42.88	42.88
113906	43.43	43.43	43.43	43.43	43.43	43.43
120062	48.31	48.31	48.31	48.31	48.31	48.31
126380	52.96	52.96	52.96	52.96	52.96	52.96



**Pebbling formulas, pyramid graphs, substitution or 2  
no shuffle, preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
20	5.44	5.44	5.44	5.44	5.44	5.44
182	5.57	5.57	5.57	5.57	5.57	5.57
506	5.57	5.57	5.57	5.57	5.57	5.57
992	5.7	5.7	5.7	5.7	5.7	5.7
1640	5.99	5.99	5.99	5.99	5.99	5.99
2450	6.22	6.22	6.22	6.22	6.22	6.22
3422	6.56	6.56	6.56	6.56	6.56	6.56
4556	6.84	6.84	6.84	6.84	6.84	6.84
5852	7.34	7.34	7.34	7.34	7.34	7.34
7310	7.7	7.7	7.7	7.7	7.7	7.7
8930	8.26	8.26	8.26	8.26	8.26	8.26
10712	8.55	8.55	8.55	8.55	8.55	8.55
12656	9.54	9.54	9.54	9.54	9.54	9.54
14762	10.06	10.06	10.06	10.06	10.06	10.06
17030	10.8	10.8	10.8	10.8	10.8	10.8
19460	11.75	11.75	11.75	11.75	11.75	11.75
22052	12.59	12.59	12.59	12.59	12.59	12.59
24806	13.65	13.65	13.65	13.65	13.65	13.65
27722	14.67	14.67	14.67	14.67	14.67	14.67
30800	15.16	15.16	15.16	15.16	15.16	15.16
34040	16.34	16.34	16.34	16.34	16.34	16.34
37442	17.82	17.82	17.82	17.82	17.82	17.82
41006	19.32	19.32	19.32	19.32	19.32	19.32
44732	19.65	19.65	19.65	19.65	19.65	19.65
48620	20.73	20.73	20.73	20.73	20.73	20.73
52670	21.09	21.09	21.09	21.09	21.09	21.09
56882	24.3	24.3	24.3	24.3	24.3	24.3
61256	24.92	24.92	24.92	24.92	24.92	24.92
65792	27.25	27.25	27.25	27.25	27.25	27.25
70490	27.94	27.94	27.94	27.94	27.94	27.94
75350	31.42	31.42	31.42	31.42	31.42	31.42
80372	31.85	31.85	31.85	31.85	31.85	31.85
85556	34.98	34.98	34.98	34.98	34.98	34.98
90902	37.55	37.55	37.55	37.55	37.55	37.55
96410	40.0	40.0	40.0	40.0	40.0	40.0
102080	41.11	41.11	41.11	41.11	41.11	41.11
107912	42.88	42.88	42.88	42.88	42.88	42.88
113906	43.43	43.43	43.43	43.43	43.43	43.43
120062	48.31	48.31	48.31	48.31	48.31	48.31
126380	52.96	52.96	52.96	52.96	52.96	52.96

**Pebbling formulas, pyramid graphs, substitution or 2  
shuffle, preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
20	5.44	5.44	5.44	5.44	5.44	5.44
182	5.57	5.57	5.57	5.57	5.57	5.57
506	5.57	5.57	5.57	5.57	5.57	5.57
992	5.7	5.7	5.7	5.7	5.7	5.7
1640	6.03	6.03	6.03	6.03	6.03	6.03
2450	6.3	6.3	6.3	6.3	6.3	6.3
3422	6.55	6.55	6.55	6.55	6.55	6.55
4556	6.89	6.89	6.89	6.89	6.89	6.89
5852	7.39	7.39	7.39	7.39	7.39	7.39
7310	7.93	7.93	7.93	7.93	7.93	7.93
8930	8.49	8.49	8.49	8.49	8.49	8.49
10712	8.86	8.86	8.86	8.86	8.86	8.86
12656	9.75	9.75	9.75	9.75	9.75	9.75
14762	10.39	10.39	10.39	10.39	10.39	10.39
17030	11.12	11.12	11.12	11.12	11.12	11.12
19460	11.92	11.92	11.92	11.92	11.92	11.92
22052	12.84	12.84	12.84	12.84	12.84	12.84
24806	14.01	14.01	14.01	14.01	14.01	14.01
27722	15.11	15.11	15.11	15.11	15.11	15.11
30800	15.46	15.46	15.46	15.46	15.46	15.46
34040	16.8	16.8	16.8	16.8	16.8	16.8
37442	18.58	18.58	18.58	18.58	18.58	18.58
41006	20.38	20.38	20.38	20.38	20.38	20.38
44732	20.41	20.41	20.41	20.41	20.41	20.41
48620	21.65	21.65	21.65	21.65	21.65	21.65
52670	21.83	21.83	21.83	21.83	21.83	21.83
56882	25.43	25.43	25.43	25.43	25.43	25.43
61256	26.34	26.34	26.34	26.34	26.34	26.34
65792	28.15	28.15	28.15	28.15	28.15	28.15
70490	28.88	28.88	28.88	28.88	28.88	28.88
75350	32.9	32.9	32.9	32.9	32.9	32.9
80372	33.48	33.48	33.48	33.48	33.48	33.48
85556	36.66	36.66	36.66	36.66	36.66	36.66
90902	39.7	39.7	39.7	39.7	39.7	39.7
96410	42.79	42.79	42.79	42.79	42.79	42.79
102080	42.79	42.79	42.79	42.79	42.79	42.79
107912	44.44	44.44	44.44	44.44	44.44	44.44
113906	45.11	45.11	45.11	45.11	45.11	45.11
120062	50.14	50.14	50.14	50.14	50.14	50.14
126380	55.36	55.36	55.36	55.36	55.36	55.36

**Pebbling formulas, pyramid graphs, substitution or 2  
shuffle, preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
20	5.44	5.44	5.44	5.44	5.44	5.44
182	5.57	5.57	5.57	5.57	5.57	5.57
506	5.57	5.57	5.57	5.57	5.57	5.57
992	5.7	5.7	5.7	5.7	5.7	5.7
1640	6.03	6.03	6.03	6.03	6.03	6.03
2450	6.3	6.3	6.3	6.3	6.3	6.3
3422	6.55	6.55	6.55	6.55	6.55	6.55
4556	6.89	6.89	6.89	6.89	6.89	6.89
5852	7.39	7.39	7.39	7.39	7.39	7.39
7310	7.93	7.93	7.93	7.93	7.93	7.93
8930	8.49	8.49	8.49	8.49	8.49	8.49
10712	8.86	8.86	8.86	8.86	8.86	8.86
12656	9.75	9.75	9.75	9.75	9.75	9.75
14762	10.39	10.39	10.39	10.39	10.39	10.39
17030	11.12	11.12	11.12	11.12	11.12	11.12
19460	11.92	11.92	11.92	11.92	11.92	11.92
22052	12.84	12.84	12.84	12.84	12.84	12.84
24806	14.01	14.01	14.01	14.01	14.01	14.01
27722	15.11	15.11	15.11	15.11	15.11	15.11
30800	15.46	15.46	15.46	15.46	15.46	15.46
34040	16.8	16.8	16.8	16.8	16.8	16.8
37442	18.58	18.58	18.58	18.58	18.58	18.58
41006	20.38	20.38	20.38	20.38	20.38	20.38
44732	20.41	20.41	20.41	20.41	20.41	20.41
48620	21.65	21.65	21.65	21.65	21.65	21.65
52670	21.83	21.83	21.83	21.83	21.83	21.83
56882	25.43	25.43	25.43	25.43	25.43	25.43
61256	26.34	26.34	26.34	26.34	26.34	26.34
65792	28.15	28.15	28.15	28.15	28.15	28.15
70490	28.88	28.88	28.88	28.88	28.88	28.88
75350	32.9	32.9	32.9	32.9	32.9	32.9
80372	33.48	33.48	33.48	33.48	33.48	33.48
85556	36.66	36.66	36.66	36.66	36.66	36.66
90902	39.7	39.7	39.7	39.7	39.7	39.7
96410	42.79	42.79	42.79	42.79	42.79	42.79
102080	42.79	42.79	42.79	42.79	42.79	42.79
107912	44.44	44.44	44.44	44.44	44.44	44.44
113906	45.11	45.11	45.11	45.11	45.11	45.11
120062	50.14	50.14	50.14	50.14	50.14	50.14
126380	55.36	55.36	55.36	55.36	55.36	55.36

**Pebbling formulas, width 2 chain graphs, substitution or 2  
no shuffle, no preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
442	5.43	5.43	5.43	11.76	5.43	5.43
882	5.43	5.43	5.43	23.91	5.43	5.43
1322	5.65	5.43	5.43	39.61	5.43	5.43
1762	8.44	5.43	5.43	58.63	5.57	5.47
2202	8.53	5.75	5.43	86.82	7.88	5.54
2642	13.38	5.95	5.79	92.89	8.24	5.43
3082	13.43	8.34	5.75	104.76	12.02	8.0
3522	13.5	8.47	5.77	149.64	12.2	8.15
3962	20.54	13.12	8.4	149.55	12.3	11.66
4402	20.55	13.2	8.44	8000	12.52	11.74
4842	20.68	13.32	8.44	8000	19.37	12.23
5282	21.15	13.39	8.68	8000	19.44	12.27
5722	26.91	20.46	8.82	-	19.77	12.05
6162	28.27	20.11	8.78	-	19.83	12.43
6602	30.34	20.13	12.43	-	19.86	19.32
7042	31.22	20.17	12.9	-	24.23	19.42
7482	32.59	20.41	12.91	-	24.45	19.53
7922	40.95	25.64	13.08	-	24.34	19.53
8362	42.48	26.23	12.93	-	24.72	19.23
8802	43.95	28.17	13.04	-	25.73	19.25
9242	46.38	28.36	13.26	-	26.59	23.61
9682	47.55	30.47	13.45	-	28.52	23.64
10122	48.78	30.45	20.3	-	28.7	23.61
10562	50.81	39.2	20.01	-	28.72	23.59
11002	51.85	39.78	20.22	-	36.62	24.36
11442	53.41	42.73	20.46	-	38.27	25.07
11882	8000	44.33	20.6	-	38.96	23.9
12322	8000	45.46	20.75	-	39.5	24.45
12762	8000	46.69	20.6	-	40.37	24.64
13202	-	48.1	20.55	-	40.89	35.04
13642	-	60.77	20.86	-	43.71	26.0
14082	-	65.05	20.63	-	43.68	34.89
14522	-	64.98	20.38	-	43.68	27.83
14962	-	66.72	20.48	-	43.85	35.06
15402	-	68.11	20.54	-	44.07	34.93
15842	-	69.98	20.68	-	44.66	36.11
16282	-	72.05	21.09	-	45.38	39.3
16722	-	73.6	25.02	-	58.23	37.65
17162	-	73.505	25.29	-	59.05	37.17
17602	-	8000	25.43	-	59.78	37.24

**Pebbling formulas, width 2 chain graphs, substitution or 2  
no shuffle, no preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
562	5.43	5.43	5.43	5.43	5.43	5.43
1122	5.43	5.43	5.43	5.43	5.43	5.43
1682	5.43	5.43	5.43	5.43	5.43	5.43
2242	5.43	5.43	5.43	6.45	5.43	5.43
2802	5.43	5.43	5.43	7.93	5.43	5.43
3362	5.43	5.43	5.43	8.85	6.16	5.43
3922	5.58	5.43	5.43	11.92	7.12	6.23
4482	5.6	5.79	5.43	13.38	8.47	6.77
5042	6.71	6.99	5.43	14.36	9.46	8.73
5602	7.32	7.8	7.43	16.35	10.88	7.69
6162	7.59	8.02	7.96	17.46	10.83	7.82
6722	8.9	8.16	8.01	17.78	13.83	12.48
7282	9.76	9.76	9.28	24.43	14.39	9.56
7842	10.82	11.66	11.2	25.3	15.7	12.07
8402	11.44	12.45	10.68	25.96	15.54	12.38
8962	11.11	11.71	9.55	26.25	17.71	15.11
9522	11.68	12.75	10.59	26.92	20.08	13.56
10082	12.71	14.41	12.42	27.94	20.26	13.82
10642	14.38	15.13	11.02	31.47	22.12	15.29
11202	14.82	16.83	13.79	33.68	22.9	16.68
11762	16.2	17.86	13.75	34.71	25.02	16.94
12322	17.8	19.12	15.39	35.98	26.28	21.95
12882	18.07	19.16	15.94	37.14	26.58	18.09
13442	17.59	20.74	18.69	36.57	28.75	18.16
14002	20.15	19.75	17.51	52.54	31.85	17.51
14562	19.98	21.73	16.94	53.71	30.09	22.16
15122	20.69	24.02	18.27	8000	35.44	17.93
15682	20.49	24.04	19.75	8000	32.86	20.98
16242	22.62	24.98	18.27	8000	36.0	22.05
16802	8000	25.505	17.55	-	36.18	28.26
17362	8000	27.13	18.47	-	37.36	23.17
17922	8000	27.79	23.92	-	37.72	23.14
18482	-	28.53	21.77	-	36.18	33.59
19042	-	30.525	24.38	-	42.3	35.01
19602	-	8000	23.39	-	51.23	27.11
20162	-	8000	26.87	-	51.83	30.18
20722	-	8000	24.3	-	50.0	37.42
21282	-	8000	24.2	-	51.55	27.95
21842	-	-	27.0	-	56.64	38.26
22402	-	-	23.73	-	53.28	34.21

**Pebbling formulas, width 2 chain graphs, substitution or 2  
shuffle, no preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
442	5.43	5.43	5.43	11.73	5.43	5.43
882	5.43	5.43	5.43	25.39	5.43	5.43
1322	5.66	5.43	5.43	39.93	5.43	5.43
1762	8.45	5.43	5.43	58.16	5.49	5.43
2202	8.52	5.75	5.43	87.21	7.8	5.57
2642	13.38	5.95	5.55	95.45	7.87	5.57
3082	13.41	8.33	5.85	104.4	12.22	7.79
3522	13.51	8.46	5.68	144.38	12.14	7.86
3962	20.55	13.08	8.4	148.485	12.25	8.31
4402	20.55	13.14	8.45	8000	12.35	8.38
4842	20.69	13.48	8.61	8000	19.37	12.0
5282	21.14	13.39	8.71	8000	19.45	12.08
5722	26.91	20.01	8.76	-	19.63	12.18
6162	28.0	20.09	8.88	-	19.82	12.24
6602	30.37	20.12	12.46	-	19.9	19.04
7042	31.27	20.14	12.91	-	24.27	19.6
7482	32.83	20.36	13.1	-	24.46	19.78
7922	33.8	25.77	13.12	-	24.55	19.79
8362	42.38	28.09	13.31	-	25.41	20.01
8802	43.98	28.2	12.93	-	25.76	20.0
9242	46.23	28.59	13.44	-	26.66	20.08
9682	47.12	29.67	13.35	-	28.56	24.45
10122	48.4	30.26	20.34	-	28.77	20.14
10562	50.58	39.07	20.14	-	36.33	24.52
11002	52.19	40.12	20.55	-	36.8	24.8
11442	8000	42.73	20.89	-	37.75	24.85
11882	8000	43.73	20.43	-	39.39	24.77
12322	8000	45.67	21.25	-	39.6	25.11
12762	-	46.85	21.21	-	41.09	25.51
13202	-	47.8	21.26	-	43.52	25.77
13642	-	60.81	21.21	-	43.68	26.26
14082	-	64.87	20.93	-	43.67	26.16
14522	-	65.61	20.86	-	43.76	35.72
14962	-	67.13	20.88	-	44.03	26.12
15402	-	67.89	20.93	-	44.2	36.05
15842	-	68.47	25.22	-	44.45	35.77
16282	-	71.365	25.41	-	56.88	28.61
16722	-	73.25	25.37	-	58.23	37.8
17162	-	8000	25.54	-	59.72	36.08
17602	-	8000	25.44	-	59.95	37.57

**Pebbling formulas, width 2 chain graphs, substitution or 2  
shuffle, no preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
562	5.43	5.43	5.43	5.43	5.43	5.43
1122	5.43	5.43	5.43	5.43	5.43	5.43
1682	5.43	5.43	5.43	5.43	5.43	5.43
2242	5.43	5.43	5.43	6.57	5.43	5.43
2802	5.43	5.43	5.43	8.2	5.43	5.43
3362	5.43	5.43	5.43	9.14	6.23	5.43
3922	5.43	5.43	5.43	12.3	7.29	5.67
4482	5.62	5.77	5.43	13.34	8.9	6.2
5042	6.7	6.86	7.43	14.05	9.61	7.34
5602	7.91	7.56	6.95	16.14	10.54	8.85
6162	7.62	8.16	7.29	17.12	11.04	9.45
6722	8.77	8.15	6.82	19.7	13.25	10.85
7282	9.75	11.28	9.05	24.5	14.0	11.02
7842	10.96	10.67	10.46	25.47	14.86	13.38
8402	11.04	12.0	9.81	25.56	17.43	13.64
8962	11.12	13.3	10.84	26.67	16.47	13.88
9522	11.71	12.77	10.97	28.61	19.26	16.36
10082	13.5	13.74	11.92	29.62	21.76	20.38
10642	14.16	16.91	10.54	32.37	22.28	14.84
11202	15.22	17.2	13.47	33.72	25.02	14.99
11762	16.49	17.84	13.55	33.79	24.8	15.07
12322	17.0	19.18	13.62	36.38	27.02	15.59
12882	17.18	19.27	19.91	35.77	27.29	17.96
13442	17.59	20.43	16.39	42.97	28.09	20.26
14002	18.26	20.34	18.08	8000	30.01	17.93
14562	19.79	21.93	20.74	8000	34.34	24.99
15122	20.5	23.52	17.21	8000	31.6	29.05
15682	20.38	23.23	22.76	8000	34.75	23.69
16242	22.625	24.52	19.56	-	38.6	28.07
16802	8000	24.69	17.17	-	35.68	21.33
17362	8000	26.94	20.68	-	43.64	28.95
17922	8000	27.15	22.1	-	42.3	27.3
18482	-	28.645	25.41	-	39.25	32.85
19042	-	8000	27.14	-	47.24	27.85
19602	-	8000	23.14	-	49.75	37.82
20162	-	8000	22.99	-	49.45	30.61
20722	-	8000	28.86	-	56.14	28.87
21282	-	8000	26.26	-	56.7	29.2
21842	-	8000	24.11	-	55.11	28.36
22402	-	-	23.88	-	54.97	43.51

**Pebbling formulas, width 2 chain graphs, substitution or 2  
no shuffle, preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
442	5.57	5.57	5.57	5.57	5.57	5.57
882	5.7	5.7	5.7	5.7	5.7	5.7
1322	5.84	5.84	5.84	5.84	5.84	5.84
1762	6.0	6.0	6.0	6.0	6.0	6.0
2202	6.2	6.2	6.2	6.2	6.2	6.2
2642	6.23	6.23	6.23	6.23	6.23	6.23
3082	6.37	6.37	6.37	6.37	6.37	6.37
3522	6.56	6.56	6.56	6.56	6.56	6.56
3962	6.73	6.73	6.73	6.73	6.73	6.73
4402	6.73	6.73	6.73	6.73	6.73	6.73
4842	7.1	7.1	7.1	7.1	7.1	7.1
5282	7.1	7.1	7.1	7.1	7.1	7.1
5722	7.31	7.31	7.31	7.31	7.31	7.31
6162	7.31	7.31	7.31	7.31	7.31	7.31
6602	7.45	7.45	7.45	7.45	7.45	7.45
7042	7.52	7.52	7.52	7.52	7.52	7.52
7482	7.77	7.77	7.77	7.77	7.77	7.77
7922	8.07	8.07	8.07	8.07	8.07	8.07
8362	8.34	8.34	8.34	8.34	8.34	8.34
8802	8.35	8.35	8.35	8.35	8.35	8.35
9242	8.39	8.39	8.39	8.39	8.39	8.39
9682	8.51	8.51	8.51	8.51	8.51	8.51
10122	8.53	8.53	8.53	8.53	8.53	8.53
10562	8.52	8.52	8.52	8.52	8.52	8.52
11002	9.0	9.0	9.0	9.0	9.0	9.0
11442	9.17	9.17	9.17	9.17	9.17	9.17
11882	9.17	9.17	9.17	9.17	9.17	9.17
12322	9.5	9.5	9.5	9.5	9.5	9.5
12762	9.73	9.73	9.73	9.73	9.73	9.73
13202	9.71	9.71	9.71	9.71	9.71	9.71
13642	9.84	9.84	9.84	9.84	9.84	9.84
14082	9.97	9.97	9.97	9.97	9.97	9.97
14522	9.95	9.95	9.95	9.95	9.95	9.95
14962	9.95	9.95	9.95	9.95	9.95	9.95
15402	10.13	10.13	10.13	10.13	10.13	10.13
15842	10.06	10.06	10.06	10.06	10.06	10.06
16282	10.77	10.77	10.77	10.77	10.77	10.77
16722	10.8	10.8	10.8	10.8	10.8	10.8
17162	10.93	10.93	10.93	10.93	10.93	10.93
17602	11.08	11.08	11.08	11.08	11.08	11.08



**Pebbling formulas, width 2 chain graphs, substitution or 2  
no shuffle, preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
562	5.57	5.57	5.57	5.57	5.57	5.57
1122	5.84	5.84	5.84	5.84	5.84	5.84
1682	6.0	6.0	6.0	6.0	6.0	6.0
2242	6.2	6.2	6.2	6.2	6.2	6.2
2802	6.36	6.36	6.36	6.36	6.36	6.36
3362	6.56	6.56	6.56	6.56	6.56	6.56
3922	6.73	6.73	6.73	6.73	6.73	6.73
4482	6.73	6.73	6.73	6.73	6.73	6.73
5042	7.1	7.1	7.1	7.1	7.1	7.1
5602	7.31	7.31	7.31	7.31	7.31	7.31
6162	7.31	7.31	7.31	7.31	7.31	7.31
6722	7.49	7.49	7.49	7.49	7.49	7.49
7282	7.77	7.77	7.77	7.77	7.77	7.77
7842	8.07	8.07	8.07	8.07	8.07	8.07
8402	8.32	8.32	8.32	8.32	8.32	8.32
8962	8.3	8.3	8.3	8.3	8.3	8.3
9522	8.54	8.54	8.54	8.54	8.54	8.54
10082	8.52	8.52	8.52	8.52	8.52	8.52
10642	8.52	8.52	8.52	8.52	8.52	8.52
11202	9.02	9.02	9.02	9.02	9.02	9.02
11762	9.17	9.17	9.17	9.17	9.17	9.17
12322	9.5	9.5	9.5	9.5	9.5	9.5
12882	9.78	9.78	9.78	9.78	9.78	9.78
13442	9.72	9.72	9.72	9.72	9.72	9.72
14002	10.0	10.0	10.0	10.0	10.0	10.0
14562	9.95	9.95	9.95	9.95	9.95	9.95
15122	10.07	10.07	10.07	10.07	10.07	10.07
15682	10.06	10.06	10.06	10.06	10.06	10.06
16242	10.74	10.74	10.74	10.74	10.74	10.74
16802	10.8	10.8	10.8	10.8	10.8	10.8
17362	10.88	10.88	10.88	10.88	10.88	10.88
17922	10.97	10.97	10.97	10.97	10.97	10.97
18482	11.44	11.44	11.44	11.44	11.44	11.44
19042	11.56	11.56	11.56	11.56	11.56	11.56
19602	11.61	11.61	11.61	11.61	11.61	11.61
20162	11.66	11.66	11.66	11.66	11.66	11.66
20722	12.36	12.36	12.36	12.36	12.36	12.36
21282	12.33	12.33	12.33	12.33	12.33	12.33
21842	12.38	12.38	12.38	12.38	12.38	12.38
22402	12.57	12.57	12.57	12.57	12.57	12.57

**Pebbling formulas, width 2 chain graphs, substitution or 2  
shuffle, preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
442	5.57	5.57	5.57	5.57	5.57	5.57
882	5.7	5.7	5.7	5.7	5.7	5.7
1322	5.88	5.88	5.88	5.88	5.88	5.88
1762	6.01	6.01	6.01	6.01	6.01	6.01
2202	6.13	6.13	6.13	6.13	6.13	6.13
2642	6.34	6.34	6.34	6.34	6.34	6.34
3082	6.46	6.46	6.46	6.46	6.46	6.46
3522	6.55	6.55	6.55	6.55	6.55	6.55
3962	6.76	6.76	6.76	6.76	6.76	6.76
4402	6.88	6.88	6.88	6.88	6.88	6.88
4842	7.08	7.08	7.08	7.08	7.08	7.08
5282	7.23	7.23	7.23	7.23	7.23	7.23
5722	7.37	7.37	7.37	7.37	7.37	7.37
6162	7.4	7.4	7.4	7.4	7.4	7.4
6602	7.48	7.48	7.48	7.48	7.48	7.48
7042	7.65	7.65	7.65	7.65	7.65	7.65
7482	7.89	7.89	7.89	7.89	7.89	7.89
7922	8.22	8.22	8.22	8.22	8.22	8.22
8362	8.42	8.42	8.42	8.42	8.42	8.42
8802	8.47	8.47	8.47	8.47	8.47	8.47
9242	8.56	8.56	8.56	8.56	8.56	8.56
9682	8.68	8.68	8.68	8.68	8.68	8.68
10122	8.71	8.71	8.71	8.71	8.71	8.71
10562	8.71	8.71	8.71	8.71	8.71	8.71
11002	9.07	9.07	9.07	9.07	9.07	9.07
11442	9.23	9.23	9.23	9.23	9.23	9.23
11882	9.43	9.43	9.43	9.43	9.43	9.43
12322	9.69	9.69	9.69	9.69	9.69	9.69
12762	9.97	9.97	9.97	9.97	9.97	9.97
13202	9.97	9.97	9.97	9.97	9.97	9.97
13642	10.08	10.08	10.08	10.08	10.08	10.08
14082	10.26	10.26	10.26	10.26	10.26	10.26
14522	10.31	10.31	10.31	10.31	10.31	10.31
14962	10.36	10.36	10.36	10.36	10.36	10.36
15402	10.39	10.39	10.39	10.39	10.39	10.39
15842	10.39	10.39	10.39	10.39	10.39	10.39
16282	11.06	11.06	11.06	11.06	11.06	11.06
16722	11.04	11.04	11.04	11.04	11.04	11.04
17162	11.15	11.15	11.15	11.15	11.15	11.15
17602	11.23	11.23	11.23	11.23	11.23	11.23

**Pebbling formulas, width 2 chain graphs, substitution or 2  
shuffle, preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
562	5.57	5.57	5.57	5.57	5.57	5.57
1122	5.74	5.74	5.74	5.74	5.74	5.74
1682	6.0	6.0	6.0	6.0	6.0	6.0
2242	6.14	6.14	6.14	6.14	6.14	6.14
2802	6.43	6.43	6.43	6.43	6.43	6.43
3362	6.58	6.58	6.58	6.58	6.58	6.58
3922	6.76	6.76	6.76	6.76	6.76	6.76
4482	6.88	6.88	6.88	6.88	6.88	6.88
5042	7.09	7.09	7.09	7.09	7.09	7.09
5602	7.36	7.36	7.36	7.36	7.36	7.36
6162	7.4	7.4	7.4	7.4	7.4	7.4
6722	7.5	7.5	7.5	7.5	7.5	7.5
7282	7.91	7.91	7.91	7.91	7.91	7.91
7842	8.21	8.21	8.21	8.21	8.21	8.21
8402	8.48	8.48	8.48	8.48	8.48	8.48
8962	8.51	8.51	8.51	8.51	8.51	8.51
9522	8.71	8.71	8.71	8.71	8.71	8.71
10082	8.7	8.7	8.7	8.7	8.7	8.7
10642	8.71	8.71	8.71	8.71	8.71	8.71
11202	9.23	9.23	9.23	9.23	9.23	9.23
11762	9.27	9.27	9.27	9.27	9.27	9.27
12322	9.69	9.69	9.69	9.69	9.69	9.69
12882	10.03	10.03	10.03	10.03	10.03	10.03
13442	10.03	10.03	10.03	10.03	10.03	10.03
14002	10.28	10.28	10.28	10.28	10.28	10.28
14562	10.42	10.42	10.42	10.42	10.42	10.42
15122	10.42	10.42	10.42	10.42	10.42	10.42
15682	10.42	10.42	10.42	10.42	10.42	10.42
16242	11.06	11.06	11.06	11.06	11.06	11.06
16802	11.12	11.12	11.12	11.12	11.12	11.12
17362	11.19	11.19	11.19	11.19	11.19	11.19
17922	11.37	11.37	11.37	11.37	11.37	11.37
18482	11.8	11.8	11.8	11.8	11.8	11.8
19042	11.85	11.85	11.85	11.85	11.85	11.85
19602	11.93	11.93	11.93	11.93	11.93	11.93
20162	11.98	11.98	11.98	11.98	11.98	11.98
20722	12.6	12.6	12.6	12.6	12.6	12.6
21282	12.77	12.77	12.77	12.77	12.77	12.77
21842	12.83	12.83	12.83	12.83	12.83	12.83
22402	12.83	12.83	12.83	12.83	12.83	12.83

**Pebbling formulas, width 5 chain graphs, substitution or 2  
no shuffle, no preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
408	5.43	5.43	5.43	54.69	5.43	5.43
808	5.43	5.43	5.43	135.39	10.7	11.14
1208	5.43	5.43	5.43	8000	11.52	21.59
1608	5.79	5.43	11.31	8000	18.54	35.35
2008	5.84	5.43	7.89	8000	22.88	46.49
2408	8.63	5.83	11.89	-	23.11	75.23
2808	8.73	5.95	18.37	-	34.74	50.14
3208	8.83	5.93	22.72	-	37.46	84.11
3608	13.3	8.64	22.81	-	51.83	119.01
4008	13.35	8.69	34.79	-	54.86	199.82
4408	13.45	8.64	37.02	-	57.85	196.17
4808	20.48	9.02	37.05	-	83.31	202.49
5208	21.24	12.98	55.92	-	84.23	212.29
5608	21.46	13.1	55.61	-	90.11	307.81
6008	21.4	13.15	58.7	-	90.77	301.39
6408	21.64	13.33	84.25	-	94.62	308.06
6808	21.62	13.34	59.21	-	129.11	482.5
7208	26.36	20.48	91.85	-	132.85	314.36
7608	27.09	20.42	83.57	-	133.19	308.98
8008	28.05	20.43	38.76	-	134.61	484.72
8408	28.91	20.77	88.45	-	149.93	510.89
8808	29.79	20.97	92.64	-	204.56	489.99
9208	30.61	20.88	93.57	-	207.83	535.63
9608	32.52	21.61	132.82	-	209.19	525.35
10008	33.16	25.99	136.64	-	210.22	532.24
10408	33.93	25.98	135.62	-	218.74	547.33
10808	42.27	26.54	144.39	-	224.86	561.49
11208	43.27	27.38	209.23	-	236.35	833.95
11608	44.29	27.36	211.72	-	237.38	777.12
12008	45.02	27.99	211.22	-	239.59	875.41
12408	46.54	29.66	151.93	-	238.55	844.03
12808	8000	29.59	145.39	-	244.41	775.19
13208	8000	31.45	216.22	-	244.81	882.89
13608	8000	31.93	150.5	-	329.46	853.28
14008	-	31.97	229.2	-	8000	827.73
14408	-	39.92	159.04	-	8000	1285.81
14808	-	40.82	222.52	-	8000	1277.97
15208	-	41.34	216.81	-	8000	1312.01
15608	-	42.12	221.44	-	8000	1314.0
16008	-	43.47	235.17	-	-	1304.1

**Pebbling formulas, width 5 chain graphs, substitution or 2  
no shuffle, no preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
708	5.43	5.43	5.43	5.43	5.43	5.43
1408	5.43	5.43	5.43	6.05	5.43	5.43
2108	5.43	5.43	5.43	10.39	6.35	8.4
2808	5.43	5.43	5.43	17.04	9.33	10.81
3508	5.43	5.43	6.29	22.48	12.26	19.32
4208	5.43	5.43	9.29	32.95	14.23	21.0
4908	5.45	5.48	10.9	36.23	21.31	31.95
5608	6.83	7.12	14.82	42.39	22.61	38.19
6308	7.11	7.02	15.86	50.9	28.3	39.85
7008	8.09	7.68	18.52	50.77	30.95	42.6
7708	9.36	8.95	20.15	70.26	34.26	52.88
8408	10.45	10.79	26.7	83.25	36.93	70.72
9108	11.39	11.39	25.84	77.93	47.07	56.61
9808	11.17	12.33	31.88	85.73	51.96	77.3
10508	11.4	12.8	33.0	8000	53.36	103.07
11208	12.57	13.13	34.34	8000	57.41	93.64
11908	15.64	15.33	38.39	8000	63.04	97.11
12608	17.31	16.36	41.87	8000	65.89	105.39
13308	16.58	16.89	45.08	-	70.94	117.05
14008	16.62	17.62	55.46	-	72.84	120.01
14708	18.81	18.05	59.53	-	94.86	124.27
15408	18.49	20.42	65.18	-	94.61	130.77
16108	21.18	20.23	61.13	-	98.62	192.88
16808	20.69	20.93	63.3	-	102.43	148.35
17508	21.3	22.12	67.41	-	100.25	199.63
18208	22.2	24.45	73.26	-	120.14	196.04
18908	23.47	25.45	77.33	-	117.25	201.14
19608	8000	25.89	81.2	-	121.56	214.62
20308	8000	27.52	79.7	-	134.41	231.71
21008	8000	28.05	95.37	-	134.92	250.15
21708	-	28.18	94.32	-	140.96	229.51
22408	-	31.35	104.06	-	143.75	272.17
23108	-	32.08	102.47	-	145.98	266.69
23808	-	34.43	99.27	-	160.11	254.66
24508	-	37.45	106.2	-	157.71	306.54
25208	-	40.72	119.36	-	193.98	332.01
25908	-	41.96	123.56	-	209.4	297.43
26608	-	40.79	126.39	-	220.54	450.21
27308	-	43.86	133.51	-	208.33	399.25
28008	-	40.67	125.28	-	224.16	410.73

**Pebbling formulas, width 5 chain graphs, substitution or 2  
shuffle, no preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
408	5.43	5.43	5.43	78.42	5.43	5.43
808	5.43	5.43	5.43	201.32	7.61	10.47
1208	5.43	5.43	5.43	8000	17.62	22.45
1608	5.78	5.43	5.43	8000	17.79	21.71
2008	5.85	5.43	7.96	8000	22.1	46.42
2408	8.64	5.84	18.44	-	22.42	50.3
2808	8.71	5.97	23.26	-	35.2	84.7
3208	8.81	5.93	12.08	-	49.2	84.58
3608	13.28	8.59	36.16	-	52.01	85.44
4008	13.38	8.66	50.8	-	55.12	123.89
4408	13.43	8.71	35.02	-	57.8	130.96
4808	13.62	12.91	39.16	-	78.12	209.68
5208	21.29	12.91	24.2	-	85.77	202.23
5608	21.46	13.08	51.26	-	86.35	299.9
6008	21.42	13.08	57.55	-	91.72	202.69
6408	21.65	13.28	83.49	-	126.83	319.8
6808	21.59	13.37	64.8	-	128.47	322.44
7208	26.11	20.45	85.82	-	129.72	339.33
7608	27.23	20.41	101.52	-	135.02	492.44
8008	28.1	20.43	93.76	-	135.62	513.3
8408	28.88	20.77	59.5	-	141.41	510.68
8808	29.84	20.79	90.64	-	205.36	529.18
9208	30.62	20.84	91.51	-	210.84	483.71
9608	32.55	21.03	141.07	-	208.54	510.25
10008	33.28	21.58	136.94	-	218.04	546.27
10408	34.11	25.96	131.7	-	221.58	545.59
10808	42.44	26.66	146.47	-	224.8	554.52
11208	43.21	26.96	152.75	-	225.12	838.46
11608	44.21	27.48	159.3	-	228.77	568.82
12008	45.05	28.46	157.48	-	238.45	843.77
12408	46.16	29.63	151.5	-	241.37	866.07
12808	8000	29.92	218.08	-	245.54	835.66
13208	8000	31.43	158.99	-	328.84	832.73
13608	8000	32.36	228.84	-	328.02	851.92
14008	-	39.84	228.02	-	332.49	876.14
14408	-	40.14	211.56	-	8000	886.8
14808	-	41.05	229.03	-	8000	880.73
15208	-	41.47	224.59	-	8000	894.8
15608	-	41.47	227.86	-	8000	1290.09
16008	-	42.82	227.52	-	8000	1268.7

**Pebbling formulas, width 5 chain graphs, substitution or 2  
shuffle, no preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
708	5.43	5.43	5.43	5.43	5.43	5.43
1408	5.43	5.43	5.43	5.83	5.43	5.43
2108	5.43	5.43	5.43	10.58	5.95	8.1
2808	5.43	5.43	5.82	17.68	9.09	10.88
3508	5.43	5.43	6.55	22.89	12.67	18.75
4208	5.43	5.43	9.78	34.64	14.21	21.77
4908	5.46	5.43	10.61	35.72	19.59	25.15
5608	6.82	6.94	13.77	43.16	22.75	24.77
6308	7.09	7.71	17.18	48.45	26.05	44.39
7008	8.1	8.19	19.04	49.63	30.89	45.93
7708	9.34	8.99	24.88	74.27	34.85	53.42
8408	10.46	10.78	26.44	83.85	42.41	53.12
9108	11.44	11.21	26.09	81.0	45.36	61.4
9808	11.08	12.74	29.31	88.65	51.2	81.67
10508	11.79	12.84	32.36	8000	53.3	79.31
11208	12.51	13.48	33.99	8000	56.77	85.7
11908	14.66	15.41	39.52	8000	63.91	92.18
12608	17.28	16.46	41.88	8000	71.32	107.6
13308	18.35	18.38	43.65	-	70.32	125.87
14008	18.12	17.6	47.65	-	78.26	114.91
14708	18.78	18.52	52.87	-	97.06	164.87
15408	18.62	20.77	55.89	-	103.46	171.62
16108	20.99	21.16	62.54	-	99.38	160.94
16808	20.61	20.75	62.38	-	108.72	192.3
17508	21.2	23.67	67.97	-	107.51	191.34
18208	22.09	23.96	70.59	-	112.1	200.91
18908	22.36	24.89	74.15	-	118.94	220.81
19608	8000	27.16	75.71	-	119.35	193.47
20308	8000	25.98	77.08	-	136.7	248.38
21008	8000	27.12	90.84	-	134.76	273.65
21708	-	27.75	107.27	-	138.87	238.71
22408	-	30.78	96.08	-	142.2	240.22
23108	-	31.12	102.49	-	149.02	276.61
23808	-	33.04	107.76	-	153.68	381.74
24508	-	36.41	110.24	-	152.81	273.32
25208	-	38.24	110.21	-	186.43	317.89
25908	-	39.07	122.01	-	212.07	309.61
26608	-	39.26	117.57	-	224.15	319.82
27308	-	44.24	135.68	-	215.85	366.51
28008	-	43.19	131.64	-	217.94	397.12

**Pebbling formulas, width 5 chain graphs, substitution or 2  
no shuffle, preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
408	5.57	5.57	5.57	5.57	5.57	5.57
808	5.7	5.7	5.7	5.7	5.7	5.7
1208	5.84	5.84	5.84	5.84	5.84	5.84
1608	6.0	6.0	6.0	6.0	6.0	6.0
2008	6.0	6.0	6.0	6.0	6.0	6.0
2408	6.23	6.23	6.23	6.23	6.23	6.23
2808	6.36	6.36	6.36	6.36	6.36	6.36
3208	6.56	6.56	6.56	6.56	6.56	6.56
3608	6.73	6.73	6.73	6.73	6.73	6.73
4008	6.73	6.73	6.73	6.73	6.73	6.73
4408	6.73	6.73	6.73	6.73	6.73	6.73
4808	7.01	7.01	7.01	7.01	7.01	7.01
5208	7.1	7.1	7.1	7.1	7.1	7.1
5608	7.31	7.31	7.31	7.31	7.31	7.31
6008	7.34	7.34	7.34	7.34	7.34	7.34
6408	7.44	7.44	7.44	7.44	7.44	7.44
6808	7.5	7.5	7.5	7.5	7.5	7.5
7208	7.77	7.77	7.77	7.77	7.77	7.77
7608	7.93	7.93	7.93	7.93	7.93	7.93
8008	8.07	8.07	8.07	8.07	8.07	8.07
8408	8.34	8.34	8.34	8.34	8.34	8.34
8808	8.3	8.3	8.3	8.3	8.3	8.3
9208	8.38	8.38	8.38	8.38	8.38	8.38
9608	8.55	8.55	8.55	8.55	8.55	8.55
10008	8.52	8.52	8.52	8.52	8.52	8.52
10408	8.51	8.51	8.51	8.51	8.51	8.51
10808	9.02	9.02	9.02	9.02	9.02	9.02
11208	9.02	9.02	9.02	9.02	9.02	9.02
11608	9.17	9.17	9.17	9.17	9.17	9.17
12008	9.18	9.18	9.18	9.18	9.18	9.18
12408	9.5	9.5	9.5	9.5	9.5	9.5
12808	9.73	9.73	9.73	9.73	9.73	9.73
13208	9.78	9.78	9.78	9.78	9.78	9.78
13608	9.9	9.9	9.9	9.9	9.9	9.9
14008	9.97	9.97	9.97	9.97	9.97	9.97
14408	10.01	10.01	10.01	10.01	10.01	10.01
14808	10.14	10.14	10.14	10.14	10.14	10.14
15208	10.08	10.08	10.08	10.08	10.08	10.08
15608	10.11	10.11	10.11	10.11	10.11	10.11
16008	10.24	10.24	10.24	10.24	10.24	10.24



**Pebbling formulas, width 5 chain graphs, substitution or 2  
no shuffle, preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
708	5.7	5.7	5.7	5.7	5.7	5.7
1408	5.84	5.84	5.84	5.84	5.84	5.84
2108	6.0	6.0	6.0	6.0	6.0	6.0
2808	6.36	6.36	6.36	6.36	6.36	6.36
3508	6.56	6.56	6.56	6.56	6.56	6.56
4208	6.73	6.73	6.73	6.73	6.73	6.73
4908	7.1	7.1	7.1	7.1	7.1	7.1
5608	7.31	7.31	7.31	7.31	7.31	7.31
6308	7.49	7.49	7.49	7.49	7.49	7.49
7008	7.52	7.52	7.52	7.52	7.52	7.52
7708	7.93	7.93	7.93	7.93	7.93	7.93
8408	8.34	8.34	8.34	8.34	8.34	8.34
9108	8.33	8.33	8.33	8.33	8.33	8.33
9808	8.51	8.51	8.51	8.51	8.51	8.51
10508	8.52	8.52	8.52	8.52	8.52	8.52
11208	9.02	9.02	9.02	9.02	9.02	9.02
11908	9.17	9.17	9.17	9.17	9.17	9.17
12608	9.5	9.5	9.5	9.5	9.5	9.5
13308	9.78	9.78	9.78	9.78	9.78	9.78
14008	9.97	9.97	9.97	9.97	9.97	9.97
14708	10.12	10.12	10.12	10.12	10.12	10.12
15408	10.1	10.1	10.1	10.1	10.1	10.1
16108	10.25	10.25	10.25	10.25	10.25	10.25
16808	10.8	10.8	10.8	10.8	10.8	10.8
17508	11.2	11.2	11.2	11.2	11.2	11.2
18208	11.41	11.41	11.41	11.41	11.41	11.41
18908	11.48	11.48	11.48	11.48	11.48	11.48
19608	11.52	11.52	11.52	11.52	11.52	11.52
20308	11.68	11.68	11.68	11.68	11.68	11.68
21008	12.44	12.44	12.44	12.44	12.44	12.44
21708	12.5	12.5	12.5	12.5	12.5	12.5
22408	12.57	12.57	12.57	12.57	12.57	12.57
23108	12.63	12.63	12.63	12.63	12.63	12.63
23808	12.7	12.7	12.7	12.7	12.7	12.7
24508	13.58	13.58	13.58	13.58	13.58	13.58
25208	13.7	13.7	13.7	13.7	13.7	13.7
25908	13.91	13.91	13.91	13.91	13.91	13.91
26608	13.98	13.98	13.98	13.98	13.98	13.98
27308	14.04	14.04	14.04	14.04	14.04	14.04
28008	14.66	14.66	14.66	14.66	14.66	14.66

**Pebbling formulas, width 5 chain graphs, substitution or 2  
shuffle, preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
408	5.57	5.57	5.57	5.57	5.57	5.57
808	5.7	5.7	5.7	5.7	5.7	5.7
1208	5.87	5.87	5.87	5.87	5.87	5.87
1608	6.04	6.04	6.04	6.04	6.04	6.04
2008	6.12	6.12	6.12	6.12	6.12	6.12
2408	6.31	6.31	6.31	6.31	6.31	6.31
2808	6.43	6.43	6.43	6.43	6.43	6.43
3208	6.58	6.58	6.58	6.58	6.58	6.58
3608	6.77	6.77	6.77	6.77	6.77	6.77
4008	6.76	6.76	6.76	6.76	6.76	6.76
4408	6.89	6.89	6.89	6.89	6.89	6.89
4808	6.99	6.99	6.99	6.99	6.99	6.99
5208	7.23	7.23	7.23	7.23	7.23	7.23
5608	7.36	7.36	7.36	7.36	7.36	7.36
6008	7.4	7.4	7.4	7.4	7.4	7.4
6408	7.55	7.55	7.55	7.55	7.55	7.55
6808	7.67	7.67	7.67	7.67	7.67	7.67
7208	7.91	7.91	7.91	7.91	7.91	7.91
7608	8.07	8.07	8.07	8.07	8.07	8.07
8008	8.23	8.23	8.23	8.23	8.23	8.23
8408	8.43	8.43	8.43	8.43	8.43	8.43
8808	8.48	8.48	8.48	8.48	8.48	8.48
9208	8.56	8.56	8.56	8.56	8.56	8.56
9608	8.7	8.7	8.7	8.7	8.7	8.7
10008	8.7	8.7	8.7	8.7	8.7	8.7
10408	8.7	8.7	8.7	8.7	8.7	8.7
10808	9.09	9.09	9.09	9.09	9.09	9.09
11208	9.21	9.21	9.21	9.21	9.21	9.21
11608	9.44	9.44	9.44	9.44	9.44	9.44
12008	9.45	9.45	9.45	9.45	9.45	9.45
12408	9.75	9.75	9.75	9.75	9.75	9.75
12808	10.04	10.04	10.04	10.04	10.04	10.04
13208	9.99	9.99	9.99	9.99	9.99	9.99
13608	10.02	10.02	10.02	10.02	10.02	10.02
14008	10.28	10.28	10.28	10.28	10.28	10.28
14408	10.33	10.33	10.33	10.33	10.33	10.33
14808	10.36	10.36	10.36	10.36	10.36	10.36
15208	10.43	10.43	10.43	10.43	10.43	10.43
15608	10.55	10.55	10.55	10.55	10.55	10.55
16008	10.52	10.52	10.52	10.52	10.52	10.52

**Pebbling formulas, width 5 chain graphs, substitution or 2  
shuffle, preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
708	5.7	5.7	5.7	5.7	5.7	5.7
1408	5.87	5.87	5.87	5.87	5.87	5.87
2108	6.13	6.13	6.13	6.13	6.13	6.13
2808	6.43	6.43	6.43	6.43	6.43	6.43
3508	6.56	6.56	6.56	6.56	6.56	6.56
4208	6.9	6.9	6.9	6.9	6.9	6.9
4908	7.21	7.21	7.21	7.21	7.21	7.21
5608	7.36	7.36	7.36	7.36	7.36	7.36
6308	7.67	7.67	7.67	7.67	7.67	7.67
7008	7.67	7.67	7.67	7.67	7.67	7.67
7708	8.09	8.09	8.09	8.09	8.09	8.09
8408	8.43	8.43	8.43	8.43	8.43	8.43
9108	8.54	8.54	8.54	8.54	8.54	8.54
9808	8.7	8.7	8.7	8.7	8.7	8.7
10508	8.71	8.71	8.71	8.71	8.71	8.71
11208	9.21	9.21	9.21	9.21	9.21	9.21
11908	9.48	9.48	9.48	9.48	9.48	9.48
12608	9.77	9.77	9.77	9.77	9.77	9.77
13308	10.16	10.16	10.16	10.16	10.16	10.16
14008	10.28	10.28	10.28	10.28	10.28	10.28
14708	10.39	10.39	10.39	10.39	10.39	10.39
15408	10.54	10.54	10.54	10.54	10.54	10.54
16108	10.52	10.52	10.52	10.52	10.52	10.52
16808	11.05	11.05	11.05	11.05	11.05	11.05
17508	11.36	11.36	11.36	11.36	11.36	11.36
18208	11.79	11.79	11.79	11.79	11.79	11.79
18908	11.86	11.86	11.86	11.86	11.86	11.86
19608	12.04	12.04	12.04	12.04	12.04	12.04
20308	12.04	12.04	12.04	12.04	12.04	12.04
21008	12.77	12.77	12.77	12.77	12.77	12.77
21708	12.84	12.84	12.84	12.84	12.84	12.84
22408	13.04	13.04	13.04	13.04	13.04	13.04
23108	13.02	13.02	13.02	13.02	13.02	13.02
23808	13.09	13.09	13.09	13.09	13.09	13.09
24508	13.9	13.9	13.9	13.9	13.9	13.9
25208	14.18	14.18	14.18	14.18	14.18	14.18
25908	14.15	14.15	14.15	14.15	14.15	14.15
26608	14.43	14.43	14.43	14.43	14.43	14.43
27308	14.63	14.63	14.63	14.63	14.63	14.63
28008	15.24	15.24	15.24	15.24	15.24	15.24

# **Pebbling formulas with substitution xor of arity 2**

**Pebbling formulas, Gilbert-Tarjan graphs, substitution xor 2  
no shuffle, no preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
22	5.43	5.43	5.43	5.43	5.43	5.43
270	5.43	5.43	5.43	123.12	5.43	5.43
520	5.43	5.43	5.43	200.725	6.89	5.43
954	5.43	5.43	5.43	8000	11.3	6.84
1512	5.46	5.43	5.43	8000	22.68	23.55
2362	5.71	8.16	7.38	8000	31.95	22.43
2464	5.79	8.22	7.42	-	28.98	30.96
2850	8.4	5.81	5.43	-	22.13	22.52
4192	12.98	8.5	8.11	-	47.18	44.4
4434	13.09	8.55	8.15	-	48.13	44.31
4536	13.1	8.58	8.16	-	46.83	45.87
6490	13.17	12.93	19.23	-	108.89	105.43
6696	13.2	12.98	19.23	-	109.04	103.8
7594	13.57	13.31	12.58	-	108.73	74.0
7696	13.59	13.34	12.59	-	108.49	71.19
7938	13.63	13.39	12.62	-	108.39	104.61
11136	21.56	21.5	19.81	-	122.0	115.64
11378	21.61	21.56	19.81	-	124.22	119.07
11480	21.63	21.59	19.81	-	124.6	115.59
11994	21.69	21.57	19.8	-	120.49	113.55
12200	21.93	21.8	20.02	-	122.8	115.46
16714	28.28	27.27	35.74	-	199.97	187.34
16816	28.41	27.58	35.71	-	203.11	186.05
17058	28.47	27.94	35.66	-	203.9	191.29
17536	28.73	27.75	35.76	-	277.62	186.15
17778	28.92	28.15	35.74	-	205.3	191.29
17880	28.93	28.07	35.81	-	204.08	190.99
20026	30.81	28.43	26.41	-	199.61	187.9
20232	30.9	28.64	26.52	-	200.36	189.94
20746	31.19	28.73	26.63	-	201.13	283.18
20848	31.38	28.95	26.93	-	203.25	265.94
21090	33.01	29.07	26.95	-	200.57	270.59
28576	8000	43.17	40.54	-	317.89	298.32
28818	8000	43.49	40.48	-	315.1	453.81
28920	8000	43.59	40.6	-	315.36	296.96
29434	-	43.84	40.79	-	314.535	666.12
29640	-	43.9	40.66	-	316.3	453.08
30826	-	44.35	41.04	-	312.335	1555.98
30928	-	44.48	41.21	-	313.1	1014.24
31170	-	44.84	41.37	-	316.62	305.41

**Pebbling formulas, Gilbert-Tarjan graphs, substitution xor 2  
no shuffle, no preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
22	5.43	5.43	5.43	5.43	5.43	5.43
270	5.43	5.43	5.43	5.43	5.43	5.43
520	5.43	5.43	5.43	5.43	5.43	5.43
954	5.43	5.43	5.43	6.44	5.43	5.43
1512	5.43	5.43	5.43	14.09	6.23	5.43
2362	5.43	5.43	5.43	32.1	13.14	13.02
2464	5.43	5.43	6.24	28.48	11.74	7.34
2850	5.6	5.43	5.43	34.32	10.71	9.18
4192	7.79	6.82	7.95	75.8	19.58	17.73
4434	9.48	7.75	7.4	73.89	17.21	21.38
4536	8.41	7.77	8.11	81.91	18.53	17.02
6490	11.83	11.92	12.5	145.75	49.2	51.63
6696	12.59	12.6	12.29	149.12	32.91	40.78
7594	12.3	12.14	12.81	8000	35.65	66.39
7696	12.34	12.18	12.84	8000	58.27	28.54
7938	12.44	12.27	12.93	8000	61.33	49.42
11136	19.16	18.84	18.0	8000	48.86	49.5
11378	19.29	18.9	17.15	8000	51.88	51.59
11480	19.33	18.93	17.15	8000	54.61	47.88
11994	21.96	19.14	17.23	-	55.64	58.28
12200	22.31	19.63	17.73	-	63.31	48.95
16714	28.29	25.57	24.3	-	98.71	108.32
16816	28.33	24.12	29.77	-	107.91	98.67
17058	24.16	24.15	29.87	-	123.88	226.55
17536	27.5	27.29	26.09	-	98.34	98.29
17778	27.52	27.3	26.17	-	102.13	79.94
17880	27.53	26.14	26.28	-	101.48	142.0
20026	30.26	30.05	25.63	-	118.9	109.16
20232	30.36	28.22	25.7	-	114.91	161.54
20746	30.52	28.36	27.66	-	124.62	90.71
20848	30.75	28.5	27.82	-	107.64	92.57
21090	30.83	28.52	27.84	-	110.49	119.59
28576	8000	42.62	38.1	-	160.73	144.86
28818	8000	42.68	38.12	-	163.5	183.37
28920	8000	42.79	38.16	-	153.2	272.3
29434	-	42.92	38.25	-	147.1	193.48
29640	-	43.18	38.36	-	159.89	166.77
30826	-	41.43	38.95	-	158.5	455.14
30928	-	41.46	38.96	-	162.2	170.32
31170	-	41.8	39.29	-	163.22	162.35

**Pebbling formulas, Gilbert-Tarjan graphs, substitution xor 2  
shuffle, no preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
22	5.43	5.43	5.43	5.43	5.43	5.43
270	5.43	5.43	5.43	180.12	5.43	5.43
520	5.43	5.43	5.43	280.61	6.81	5.43
954	5.43	5.43	5.43	8000	10.36	11.12
1512	5.48	5.43	5.43	8000	22.66	15.48
2362	5.73	8.17	7.43	8000	29.67	24.03
2464	5.79	8.21	7.45	-	29.0	29.68
2850	8.39	5.67	5.51	-	22.21	24.09
4192	13.0	8.49	7.9	-	46.78	44.8
4434	12.56	8.55	8.23	-	48.52	46.12
4536	12.61	8.58	7.95	-	46.85	45.92
6490	13.17	12.91	18.64	-	78.88	105.4
6696	13.2	12.97	18.67	-	108.06	104.62
7594	13.57	13.27	12.39	-	108.36	152.17
7696	13.6	13.32	12.68	-	107.92	51.38
7938	13.64	13.36	12.7	-	108.27	51.3
11136	21.54	21.41	19.7	-	122.63	115.3
11378	21.57	21.5	19.7	-	122.79	117.43
11480	21.6	21.5	19.69	-	124.36	118.18
11994	21.7	21.46	19.71	-	120.43	115.13
12200	26.23	21.7	19.96	-	123.15	119.8
16714	28.16	27.63	35.73	-	208.73	268.39
16816	28.32	27.46	35.75	-	209.6	192.64
17058	28.45	27.75	35.78	-	202.24	186.89
17536	28.78	27.69	35.89	-	203.23	191.41
17778	28.87	27.74	35.86	-	203.81	188.11
17880	28.96	28.11	35.86	-	199.02	192.18
20026	30.88	28.4	26.61	-	273.85	187.27
20232	30.93	28.6	26.72	-	199.98	413.91
20746	31.16	28.62	26.78	-	200.88	268.24
20848	31.435	28.94	27.14	-	284.95	191.19
21090	33.05	29.21	27.32	-	203.7	186.9
28576	8000	43.27	40.78	-	315.88	668.11
28818	8000	43.34	40.95	-	315.07	299.54
28920	8000	43.59	40.79	-	316.26	664.33
29434	-	43.84	41.27	-	316.32	1016.31
29640	-	43.89	41.2	-	316.745	876.21
30826	-	44.46	41.32	-	314.82	659.31
30928	-	44.46	41.32	-	312.4	878.41
31170	-	44.83	41.84	-	312.51	297.63

**Pebbling formulas, Gilbert-Tarjan graphs, substitution xor 2  
shuffle, no preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
22	5.43	5.43	5.43	5.43	5.43	5.43
270	5.43	5.43	5.43	5.43	5.43	5.43
520	5.43	5.43	5.43	5.43	5.43	5.43
954	5.43	5.43	5.43	6.78	5.43	5.43
1512	5.43	5.43	5.43	14.84	6.87	5.43
2362	5.43	5.43	6.0	27.05	8.57	8.11
2464	5.43	5.43	5.43	29.84	9.83	8.09
2850	5.43	5.43	5.46	33.72	9.86	8.96
4192	8.75	6.54	7.38	72.95	18.61	18.34
4434	8.24	7.74	8.14	79.64	19.53	18.26
4536	8.41	7.8	7.84	76.15	19.54	22.01
6490	11.82	11.9	11.83	135.11	36.14	36.02
6696	12.57	12.59	12.02	134.97	42.4	24.43
7594	12.29	12.11	11.32	8000	51.35	54.9
7696	12.34	12.16	12.93	8000	50.24	39.43
7938	12.45	12.26	13.0	8000	65.25	25.34
11136	21.49	18.8	19.65	-	55.59	49.37
11378	21.52	18.84	19.65	-	54.89	46.57
11480	21.58	18.89	19.65	-	54.66	61.77
11994	21.98	19.1	19.66	-	55.53	45.5
12200	22.3	19.59	19.91	-	61.73	64.67
16714	28.29	25.48	29.94	-	106.67	91.74
16816	25.7	25.46	30.02	-	106.71	119.7
17058	24.14	24.1	30.08	-	102.86	168.39
17536	27.42	27.2	26.34	-	126.03	101.96
17778	27.45	27.23	26.48	-	102.28	78.83
17880	27.48	25.99	26.53	-	121.81	101.24
20026	30.25	29.93	25.8	-	115.97	109.07
20232	30.34	28.18	25.84	-	114.24	224.22
20746	28.48	28.2	27.92	-	144.48	92.55
20848	28.7	28.41	28.14	-	152.29	139.87
21090	28.86	28.48	28.18	-	133.73	97.43
28576	8000	42.55	38.7	-	163.54	150.57
28818	8000	42.61	38.79	-	153.75	467.32
28920	8000	42.74	38.79	-	172.94	470.41
29434	-	43.02	38.93	-	154.44	139.82
29640	-	43.09	39.03	-	147.26	183.71
30826	-	41.38	39.66	-	163.41	209.75
30928	-	41.42	39.64	-	186.35	457.16
31170	-	41.73	39.94	-	159.56	170.82



**Pebbling formulas, Gilbert-Tarjan graphs, substitution xor 2  
no shuffle, preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
22	5.44	5.44	5.44	5.44	5.44	5.44
270	5.57	5.57	5.57	5.57	5.57	5.57
520	5.7	5.7	5.7	5.7	5.7	5.7
954	6.0	6.0	6.0	6.0	6.0	6.0
1512	6.27	6.27	6.27	6.27	6.27	6.27
2362	6.65	6.65	6.65	6.65	6.65	6.65
2464	6.65	6.65	6.65	6.65	6.65	6.65
2850	6.9	6.9	6.9	6.9	6.9	6.9
4192	7.59	7.59	7.59	7.59	7.59	7.59
4434	7.73	7.73	7.73	7.73	7.73	7.73
4536	7.86	7.86	7.86	7.86	7.86	7.86
6490	8.89	8.89	8.89	8.89	8.89	8.89
6696	8.94	8.94	8.94	8.94	8.94	8.94
7594	9.51	9.51	9.51	9.51	9.51	9.51
7696	9.46	9.46	9.46	9.46	9.46	9.46
7938	9.87	9.87	9.87	9.87	9.87	9.87
11136	11.53	11.53	11.53	11.53	11.53	11.53
11378	11.58	11.58	11.58	11.58	11.58	11.58
11480	11.61	11.61	11.61	11.61	11.61	11.61
11994	11.69	11.69	11.69	11.69	11.69	11.69
12200	11.99	11.99	11.99	11.99	11.99	11.99
16714	14.67	14.67	14.67	14.67	14.67	14.67
16816	14.75	14.75	14.75	14.75	14.75	14.75
17058	14.79	14.79	14.79	14.79	14.79	14.79
17536	14.85	14.85	14.85	14.85	14.85	14.85
17778	14.8	14.8	14.8	14.8	14.8	14.8
17880	15.02	15.02	15.02	15.02	15.02	15.02
20026	16.14	16.14	16.14	16.14	16.14	16.14
20232	16.15	16.15	16.15	16.15	16.15	16.15
20746	17.29	17.29	17.29	17.29	17.29	17.29
20848	17.29	17.29	17.29	17.29	17.29	17.29
21090	17.34	17.34	17.34	17.34	17.34	17.34
28576	23.65	23.65	23.65	23.65	23.65	23.65
28818	23.74	23.74	23.74	23.74	23.74	23.74
28920	23.75	23.75	23.75	23.75	23.75	23.75
29434	24.32	24.32	24.32	24.32	24.32	24.32
29640	24.37	24.37	24.37	24.37	24.37	24.37
30826	24.62	24.62	24.62	24.62	24.62	24.62
30928	24.64	24.64	24.64	24.64	24.64	24.64
31170	24.71	24.71	24.71	24.71	24.71	24.71

**Pebbling formulas, Gilbert-Tarjan graphs, substitution xor 2  
no shuffle, preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
22	5.44	5.44	5.44	5.44	5.44	5.44
270	5.57	5.57	5.57	5.57	5.57	5.57
520	5.7	5.7	5.7	5.7	5.7	5.7
954	6.0	6.0	6.0	6.0	6.0	6.0
1512	6.27	6.27	6.27	6.27	6.27	6.27
2362	6.65	6.65	6.65	6.65	6.65	6.65
2464	6.65	6.65	6.65	6.65	6.65	6.65
2850	6.9	6.9	6.9	6.9	6.9	6.9
4192	7.59	7.59	7.59	7.59	7.59	7.59
4434	7.73	7.73	7.73	7.73	7.73	7.73
4536	7.86	7.86	7.86	7.86	7.86	7.86
6490	8.89	8.89	8.89	8.89	8.89	8.89
6696	8.94	8.94	8.94	8.94	8.94	8.94
7594	9.51	9.51	9.51	9.51	9.51	9.51
7696	9.46	9.46	9.46	9.46	9.46	9.46
7938	9.87	9.87	9.87	9.87	9.87	9.87
11136	11.53	11.53	11.53	11.53	11.53	11.53
11378	11.58	11.58	11.58	11.58	11.58	11.58
11480	11.61	11.61	11.61	11.61	11.61	11.61
11994	11.69	11.69	11.69	11.69	11.69	11.69
12200	11.99	11.99	11.99	11.99	11.99	11.99
16714	14.67	14.67	14.67	14.67	14.67	14.67
16816	14.75	14.75	14.75	14.75	14.75	14.75
17058	14.79	14.79	14.79	14.79	14.79	14.79
17536	14.85	14.85	14.85	14.85	14.85	14.85
17778	14.8	14.8	14.8	14.8	14.8	14.8
17880	15.02	15.02	15.02	15.02	15.02	15.02
20026	16.14	16.14	16.14	16.14	16.14	16.14
20232	16.15	16.15	16.15	16.15	16.15	16.15
20746	17.29	17.29	17.29	17.29	17.29	17.29
20848	17.29	17.29	17.29	17.29	17.29	17.29
21090	17.34	17.34	17.34	17.34	17.34	17.34
28576	23.65	23.65	23.65	23.65	23.65	23.65
28818	23.74	23.74	23.74	23.74	23.74	23.74
28920	23.75	23.75	23.75	23.75	23.75	23.75
29434	24.32	24.32	24.32	24.32	24.32	24.32
29640	24.37	24.37	24.37	24.37	24.37	24.37
30826	24.62	24.62	24.62	24.62	24.62	24.62
30928	24.64	24.64	24.64	24.64	24.64	24.64
31170	24.71	24.71	24.71	24.71	24.71	24.71

**Pebbling formulas, Gilbert-Tarjan graphs, substitution xor 2  
shuffle, preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
22	5.44	5.44	5.44	5.44	5.44	5.44
270	5.57	5.57	5.57	5.57	5.57	5.57
520	5.7	5.7	5.7	5.7	5.7	5.7
954	6.02	6.02	6.02	6.02	6.02	6.02
1512	6.29	6.29	6.29	6.29	6.29	6.29
2362	6.66	6.66	6.66	6.66	6.66	6.66
2464	6.85	6.85	6.85	6.85	6.85	6.85
2850	6.96	6.96	6.96	6.96	6.96	6.96
4192	7.71	7.71	7.71	7.71	7.71	7.71
4434	7.79	7.79	7.79	7.79	7.79	7.79
4536	7.94	7.94	7.94	7.94	7.94	7.94
6490	8.94	8.94	8.94	8.94	8.94	8.94
6696	8.97	8.97	8.97	8.97	8.97	8.97
7594	9.59	9.59	9.59	9.59	9.59	9.59
7696	9.52	9.52	9.52	9.52	9.52	9.52
7938	10.06	10.06	10.06	10.06	10.06	10.06
11136	11.77	11.77	11.77	11.77	11.77	11.77
11378	11.71	11.71	11.71	11.71	11.71	11.71
11480	11.88	11.88	11.88	11.88	11.88	11.88
11994	11.97	11.97	11.97	11.97	11.97	11.97
12200	12.3	12.3	12.3	12.3	12.3	12.3
16714	14.89	14.89	14.89	14.89	14.89	14.89
16816	14.75	14.75	14.75	14.75	14.75	14.75
17058	14.81	14.81	14.81	14.81	14.81	14.81
17536	14.92	14.92	14.92	14.92	14.92	14.92
17778	15.26	15.26	15.26	15.26	15.26	15.26
17880	15.28	15.28	15.28	15.28	15.28	15.28
20026	16.07	16.07	16.07	16.07	16.07	16.07
20232	16.43	16.43	16.43	16.43	16.43	16.43
20746	17.63	17.63	17.63	17.63	17.63	17.63
20848	17.55	17.55	17.55	17.55	17.55	17.55
21090	17.73	17.73	17.73	17.73	17.73	17.73
28576	24.13	24.13	24.13	24.13	24.13	24.13
28818	24.29	24.29	24.29	24.29	24.29	24.29
28920	24.24	24.24	24.24	24.24	24.24	24.24
29434	24.93	24.93	24.93	24.93	24.93	24.93
29640	24.9	24.9	24.9	24.9	24.9	24.9
30826	25.24	25.24	25.24	25.24	25.24	25.24
30928	25.24	25.24	25.24	25.24	25.24	25.24
31170	25.31	25.31	25.31	25.31	25.31	25.31

**Pebbling formulas, Gilbert-Tarjan graphs, substitution xor 2  
shuffle, preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
22	5.44	5.44	5.44	5.44	5.44	5.44
270	5.57	5.57	5.57	5.57	5.57	5.57
520	5.7	5.7	5.7	5.7	5.7	5.7
954	6.02	6.02	6.02	6.02	6.02	6.02
1512	6.29	6.29	6.29	6.29	6.29	6.29
2362	6.66	6.66	6.66	6.66	6.66	6.66
2464	6.85	6.85	6.85	6.85	6.85	6.85
2850	6.96	6.96	6.96	6.96	6.96	6.96
4192	7.71	7.71	7.71	7.71	7.71	7.71
4434	7.79	7.79	7.79	7.79	7.79	7.79
4536	7.94	7.94	7.94	7.94	7.94	7.94
6490	8.94	8.94	8.94	8.94	8.94	8.94
6696	8.97	8.97	8.97	8.97	8.97	8.97
7594	9.59	9.59	9.59	9.59	9.59	9.59
7696	9.52	9.52	9.52	9.52	9.52	9.52
7938	10.06	10.06	10.06	10.06	10.06	10.06
11136	11.77	11.77	11.77	11.77	11.77	11.77
11378	11.71	11.71	11.71	11.71	11.71	11.71
11480	11.88	11.88	11.88	11.88	11.88	11.88
11994	11.97	11.97	11.97	11.97	11.97	11.97
12200	12.3	12.3	12.3	12.3	12.3	12.3
16714	14.89	14.89	14.89	14.89	14.89	14.89
16816	14.75	14.75	14.75	14.75	14.75	14.75
17058	14.81	14.81	14.81	14.81	14.81	14.81
17536	14.92	14.92	14.92	14.92	14.92	14.92
17778	15.26	15.26	15.26	15.26	15.26	15.26
17880	15.28	15.28	15.28	15.28	15.28	15.28
20026	16.07	16.07	16.07	16.07	16.07	16.07
20232	16.43	16.43	16.43	16.43	16.43	16.43
20746	17.63	17.63	17.63	17.63	17.63	17.63
20848	17.55	17.55	17.55	17.55	17.55	17.55
21090	17.73	17.73	17.73	17.73	17.73	17.73
28576	24.13	24.13	24.13	24.13	24.13	24.13
28818	24.29	24.29	24.29	24.29	24.29	24.29
28920	24.24	24.24	24.24	24.24	24.24	24.24
29434	24.93	24.93	24.93	24.93	24.93	24.93
29640	24.9	24.9	24.9	24.9	24.9	24.9
30826	25.24	25.24	25.24	25.24	25.24	25.24
30928	25.24	25.24	25.24	25.24	25.24	25.24
31170	25.31	25.31	25.31	25.31	25.31	25.31

**Pebbling formulas, pyramid graphs, substitution xor 2  
no shuffle, no preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
20	5.43	5.43	5.43	5.43	5.43	5.43
156	5.43	5.43	5.43	7.36	5.43	5.43
420	5.43	5.43	5.43	50.08	5.43	5.43
812	5.43	5.43	5.43	74.53	5.43	5.43
1332	5.43	5.43	5.43	81.2	11.52	11.24
1980	5.43	5.43	5.43	123.46	11.75	18.24
2756	5.43	5.43	7.96	82.7	22.37	21.81
3660	6.15	6.12	8.16	83.48	23.55	22.04
4692	6.33	6.29	11.72	89.07	23.79	31.19
5852	9.27	9.16	12.41	123.29	32.95	44.95
7140	9.48	9.37	19.46	119.95	35.75	48.09
8556	9.87	9.8	19.23	122.89	49.7	73.47
10100	14.42	14.22	24.13	126.59	52.12	75.78
11772	14.84	14.69	24.43	125.25	55.7	81.59
13572	15.17	15.1	25.74	131.48	79.49	114.98
15500	15.39	22.22	35.3	127.33	81.91	119.41
17556	22.92	22.83	36.65	130.7	87.36	181.46
19740	23.61	23.36	38.87	128.18	89.51	185.46
22052	23.91	24.25	43.06	92.91	92.98	194.03
24492	24.51	24.29	55.68	133.5	95.58	197.02
27060	24.84	29.89	58.05	135.75	98.55	206.8
29756	31.04	30.91	60.25	133.645	131.6	212.96
32580	31.57	31.68	66.22	143.7	194.4	306.85
35532	32.22	32.89	66.68	8000	148.68	321.61
38612	34.23	35.07	69.73	8000	201.01	330.46
41820	8000	38.18	91.41	8000	207.64	338.44
45156	8000	46.14	94.2	8000	213.35	345.23
48620	8000	47.75	102.15	8000	217.29	487.55
52212	-	49.02	102.93	-	224.96	492.98
55932	-	52.02	106.2	-	8000	511.38
59780	-	53.65	109.38	-	8000	523.06
63756	-	56.34	112.8	-	8000	529.18
67860	-	59.5	146.38	-	-	541.76
72092	-	72.64	150.51	-	-	799.81
76452	-	74.15	156.92	-	-	804.4
80940	-	8000	160.24	-	-	804.99
85556	-	8000	165.53	-	-	824.58
90300	-	8000	169.82	-	-	842.78
95172	-	-	175.56	-	-	854.39
100172	-	-	179.08	-	-	872.38

**Pebbling formulas, pyramid graphs, substitution xor 2**  
**no shuffle, no preprocessing, clause removal**  
**memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
20	5.43	5.43	5.43	5.43	5.43	5.43
110	5.43	5.43	5.43	5.43	5.43	5.43
272	5.43	5.43	5.43	5.43	5.43	5.43
506	5.43	5.43	5.43	5.43	5.43	5.43
812	5.43	5.43	5.43	5.43	5.43	5.43
1190	5.43	5.43	5.43	5.43	5.43	5.43
1640	5.43	5.43	5.43	6.45	5.43	5.43
2162	5.43	5.43	5.43	7.79	6.45	7.01
2756	5.43	5.43	5.43	10.58	8.79	7.73
3422	5.43	5.43	6.24	13.98	9.92	9.74
4160	5.75	5.74	7.74	17.59	12.81	13.39
4970	6.82	7.39	9.38	22.45	14.35	18.04
5852	7.64	7.54	12.7	23.29	20.91	16.29
6806	8.4	8.36	12.51	32.17	21.63	19.25
7832	11.3	11.21	14.08	31.86	23.8	22.92
8930	12.77	12.81	15.13	37.09	25.09	35.52
10100	11.78	11.58	19.59	40.84	31.99	47.7
11342	12.1	12.03	20.69	43.83	31.43	38.76
12656	13.44	19.55	18.14	47.89	38.51	41.99
14042	15.72	20.0	28.38	56.83	49.75	45.53
15500	18.0	17.92	29.29	53.73	52.81	48.16
17030	18.7	18.44	24.84	51.7	48.47	100.56
18632	19.07	23.26	28.25	62.88	60.88	73.48
20306	23.56	23.62	39.01	67.29	65.08	88.69
22052	24.32	28.49	37.85	70.91	60.34	102.38
23870	25.7	25.82	47.67	75.51	73.1	77.15
25760	28.88	28.8	43.03	72.05	74.4	117.43
27722	29.41	29.39	44.11	98.7	69.71	137.3
29756	34.23	34.1	45.26	88.05	75.36	121.84
31862	35.82	35.55	42.5	101.07	115.86	151.26
34040	31.82	39.13	55.07	95.7	109.67	203.07
36290	32.56	40.27	54.82	154.25	140.55	174.64
38612	34.23	41.91	69.39	114.32	145.71	199.0
41006	8000	43.45	71.28	121.78	148.19	211.51
43472	8000	52.55	72.62	8000	150.12	178.83
46010	8000	46.39	76.2	8000	153.52	192.55
48620	8000	47.75	79.34	8000	163.16	209.73
51302	-	48.8	80.43	8000	158.21	244.17
54056	-	49.89	82.08	-	167.67	254.21
56882	-	52.43	89.46	-	170.75	271.09

**Pebbling formulas, pyramid graphs, substitution xor 2  
shuffle, no preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
20	5.43	5.43	5.43	5.43	5.43	5.43
156	5.43	5.43	5.43	14.57	5.43	5.43
420	5.43	5.43	5.43	47.16	5.43	5.43
812	5.43	5.43	5.43	74.23	7.41	5.43
1332	5.43	5.43	5.43	80.27	10.59	10.13
1980	5.43	5.43	5.43	75.81	11.74	18.27
2756	5.43	5.43	7.75	89.64	18.15	22.74
3660	6.13	6.06	12.1	80.86	23.45	22.98
4692	6.27	6.19	12.2	83.57	23.73	30.23
5852	9.23	9.08	12.12	125.81	32.8	45.48
7140	9.41	9.23	18.95	121.24	35.95	47.32
8556	9.72	9.69	19.25	124.2	49.48	73.82
10100	14.35	14.09	24.13	84.14	51.81	75.85
11772	14.69	14.77	24.13	92.62	55.54	80.89
13572	14.95	14.75	25.74	128.32	78.76	117.42
15500	15.27	22.03	35.38	129.05	82.41	118.14
17556	22.73	22.55	36.89	130.95	87.29	182.12
19740	23.36	22.99	38.8	126.64	89.15	189.77
22052	24.03	23.77	43.07	94.43	92.54	194.75
24492	24.19	24.03	55.88	135.94	97.24	199.49
27060	24.59	29.51	58.17	8000	99.33	206.67
29756	30.73	30.44	60.32	136.73	136.72	210.89
32580	31.14	31.57	66.31	138.79	146.4	220.11
35532	32.2	32.75	67.07	134.055	148.32	452.7
38612	34.09	34.98	69.71	8000	201.82	328.97
41820	8000	37.97	91.76	8000	206.98	472.19
45156	8000	45.93	94.26	8000	212.59	345.2
48620	8000	47.54	102.58	8000	217.05	489.28
52212	-	48.98	103.33	-	8000	497.93
55932	-	51.43	106.3	-	8000	510.48
59780	-	53.16	109.74	-	8000	518.48
63756	-	57.92	143.56	-	8000	528.95
67860	-	59.12	147.12	-	-	535.65
72092	-	72.25	154.11	-	-	781.9
76452	-	8000	157.55	-	-	804.95
80940	-	8000	160.86	-	-	810.57
85556	-	8000	167.23	-	-	825.53
90300	-	-	170.84	-	-	846.31
95172	-	-	176.32	-	-	853.41
100172	-	-	179.74	-	-	883.66

**Pebbling formulas, pyramid graphs, substitution xor 2  
shuffle, no preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
20	5.43	5.43	5.43	5.43	5.43	5.43
110	5.43	5.43	5.43	5.43	5.43	5.43
272	5.43	5.43	5.43	5.43	5.43	5.43
506	5.43	5.43	5.43	5.43	5.43	5.43
812	5.43	5.43	5.43	5.43	5.43	5.43
1190	5.43	5.43	5.43	5.43	5.43	5.43
1640	5.43	5.43	5.43	6.53	5.43	5.43
2162	5.43	5.43	5.43	7.82	5.84	7.16
2756	5.43	5.43	5.43	10.3	8.02	8.76
3422	5.43	5.43	6.45	13.14	9.95	8.93
4160	5.71	5.73	7.89	17.73	12.51	18.37
4970	8.37	7.27	9.35	20.98	16.04	20.0
5852	7.61	7.46	11.41	21.98	19.94	18.43
6806	8.32	8.25	12.18	30.23	21.93	22.63
7832	11.19	11.04	13.11	31.88	23.71	23.09
8930	11.36	11.28	14.69	38.66	25.11	43.57
10100	11.71	11.45	19.73	45.28	31.32	39.23
11342	11.96	11.82	19.59	43.36	32.28	38.73
12656	13.28	19.31	20.04	43.33	38.09	42.72
14042	15.61	17.53	25.93	54.86	57.32	52.44
15500	17.89	17.74	24.19	55.98	56.54	51.06
17030	18.55	18.18	25.0	69.51	48.57	78.55
18632	18.88	22.94	32.77	69.8	60.63	86.95
20306	23.43	23.51	39.22	67.22	57.21	103.63
22052	28.27	28.02	40.02	66.48	67.49	103.31
23870	27.88	27.72	47.93	74.18	72.9	77.66
25760	28.71	28.51	43.46	67.58	74.63	109.88
27722	29.13	29.0	44.63	98.8	69.57	109.72
29756	33.92	33.63	45.84	90.57	75.34	133.04
31862	35.43	35.14	43.09	91.47	134.52	121.34
34040	31.61	39.2	52.92	92.11	109.44	194.66
36290	32.36	39.97	55.38	98.345	100.55	198.21
38612	34.09	41.88	70.06	8000	145.57	220.2
41006	8000	43.3	71.89	98.43	147.72	212.04
43472	8000	52.35	73.35	8000	149.86	186.92
46010	8000	46.16	76.79	8000	153.29	222.89
48620	-	47.54	80.3	8000	162.91	228.17
51302	-	48.68	81.55	8000	158.08	219.1
54056	-	49.8	83.01	-	168.05	249.7
56882	-	52.16	90.52	-	170.4	272.36





**Pebbling formulas, pyramid graphs, substitution xor 2  
no shuffle, preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
20	5.44	5.44	5.44	5.44	5.44	5.44
110	5.57	5.57	5.57	5.57	5.57	5.57
272	5.57	5.57	5.57	5.57	5.57	5.57
506	5.7	5.7	5.7	5.7	5.7	5.7
812	5.84	5.84	5.84	5.84	5.84	5.84
1190	6.13	6.13	6.13	6.13	6.13	6.13
1640	6.28	6.28	6.28	6.28	6.28	6.28
2162	6.64	6.64	6.64	6.64	6.64	6.64
2756	6.8	6.8	6.8	6.8	6.8	6.8
3422	7.29	7.29	7.29	7.29	7.29	7.29
4160	7.65	7.65	7.65	7.65	7.65	7.65
4970	8.39	8.39	8.39	8.39	8.39	8.39
5852	8.65	8.65	8.65	8.65	8.65	8.65
6806	9.0	9.0	9.0	9.0	9.0	9.0
7832	9.45	9.45	9.45	9.45	9.45	9.45
8930	10.46	10.46	10.46	10.46	10.46	10.46
10100	10.91	10.91	10.91	10.91	10.91	10.91
11342	11.55	11.55	11.55	11.55	11.55	11.55
12656	12.11	12.11	12.11	12.11	12.11	12.11
14042	13.25	13.25	13.25	13.25	13.25	13.25
15500	13.86	13.86	13.86	13.86	13.86	13.86
17030	14.75	14.75	14.75	14.75	14.75	14.75
18632	15.48	15.48	15.48	15.48	15.48	15.48
20306	15.85	15.85	15.85	15.85	15.85	15.85
22052	17.56	17.56	17.56	17.56	17.56	17.56
23870	18.38	18.38	18.38	18.38	18.38	18.38
25760	19.63	19.63	19.63	19.63	19.63	19.63
27722	23.29	23.29	23.29	23.29	23.29	23.29
29756	24.22	24.22	24.22	24.22	24.22	24.22
31862	24.71	24.71	24.71	24.71	24.71	24.71
34040	27.19	27.19	27.19	27.19	27.19	27.19
36290	27.97	27.97	27.97	27.97	27.97	27.97
38612	29.7	29.7	29.7	29.7	29.7	29.7
41006	31.18	31.18	31.18	31.18	31.18	31.18
43472	31.62	31.62	31.62	31.62	31.62	31.62
46010	37.22	37.22	37.22	37.22	37.22	37.22
48620	37.82	37.82	37.82	37.82	37.82	37.82
51302	38.97	38.97	38.97	38.97	38.97	38.97
54056	39.98	39.98	39.98	39.98	39.98	39.98
56882	45.13	45.13	45.13	45.13	45.13	45.13

**Pebbling formulas, pyramid graphs, substitution xor 2  
shuffle, preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
20	5.44	5.44	5.44	5.44	5.44	5.44
156	5.57	5.57	5.57	5.57	5.57	5.57
420	5.7	5.7	5.7	5.7	5.7	5.7
812	5.82	5.82	5.82	5.82	5.82	5.82
1332	6.15	6.15	6.15	6.15	6.15	6.15
1980	6.55	6.55	6.55	6.55	6.55	6.55
2756	6.97	6.97	6.97	6.97	6.97	6.97
3660	7.59	7.59	7.59	7.59	7.59	7.59
4692	8.03	8.03	8.03	8.03	8.03	8.03
5852	8.73	8.73	8.73	8.73	8.73	8.73
7140	9.25	9.25	9.25	9.25	9.25	9.25
8556	10.46	10.46	10.46	10.46	10.46	10.46
10100	10.96	10.96	10.96	10.96	10.96	10.96
11772	11.96	11.96	11.96	11.96	11.96	11.96
13572	13.42	13.42	13.42	13.42	13.42	13.42
15500	13.92	13.92	13.92	13.92	13.92	13.92
17556	15.32	15.32	15.32	15.32	15.32	15.32
19740	16.29	16.29	16.29	16.29	16.29	16.29
22052	18.11	18.11	18.11	18.11	18.11	18.11
24492	19.96	19.96	19.96	19.96	19.96	19.96
27060	20.64	20.64	20.64	20.64	20.64	20.64
29756	25.01	25.01	25.01	25.01	25.01	25.01
32580	25.72	25.72	25.72	25.72	25.72	25.72
35532	28.81	28.81	28.81	28.81	28.81	28.81
38612	30.73	30.73	30.73	30.73	30.73	30.73
41820	32.39	32.39	32.39	32.39	32.39	32.39
45156	38.27	38.27	38.27	38.27	38.27	38.27
48620	39.22	39.22	39.22	39.22	39.22	39.22
52212	41.01	41.01	41.01	41.01	41.01	41.01
55932	46.45	46.45	46.45	46.45	46.45	46.45
59780	47.46	47.46	47.46	47.46	47.46	47.46
63756	50.85	50.85	50.85	50.85	50.85	50.85
67860	51.91	51.91	51.91	51.91	51.91	51.91
72092	60.04	60.04	60.04	60.04	60.04	60.04
76452	61.86	61.86	61.86	61.86	61.86	61.86
80940	63.7	63.7	63.7	63.7	63.7	63.7
85556	67.54	67.54	67.54	67.54	67.54	67.54
90300	73.1	73.1	73.1	73.1	73.1	73.1
95172	77.77	77.77	77.77	77.77	77.77	77.77
100172	79.08	79.08	79.08	79.08	79.08	79.08

**Pebbling formulas, pyramid graphs, substitution xor 2  
shuffle, preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
20	5.44	5.44	5.44	5.44	5.44	5.44
110	5.57	5.57	5.57	5.57	5.57	5.57
272	5.57	5.57	5.57	5.57	5.57	5.57
506	5.7	5.7	5.7	5.7	5.7	5.7
812	5.82	5.82	5.82	5.82	5.82	5.82
1190	6.14	6.14	6.14	6.14	6.14	6.14
1640	6.3	6.3	6.3	6.3	6.3	6.3
2162	6.77	6.77	6.77	6.77	6.77	6.77
2756	6.97	6.97	6.97	6.97	6.97	6.97
3422	7.45	7.45	7.45	7.45	7.45	7.45
4160	7.72	7.72	7.72	7.72	7.72	7.72
4970	8.38	8.38	8.38	8.38	8.38	8.38
5852	8.73	8.73	8.73	8.73	8.73	8.73
6806	9.2	9.2	9.2	9.2	9.2	9.2
7832	9.75	9.75	9.75	9.75	9.75	9.75
8930	10.66	10.66	10.66	10.66	10.66	10.66
10100	10.96	10.96	10.96	10.96	10.96	10.96
11342	11.86	11.86	11.86	11.86	11.86	11.86
12656	12.46	12.46	12.46	12.46	12.46	12.46
14042	13.54	13.54	13.54	13.54	13.54	13.54
15500	13.92	13.92	13.92	13.92	13.92	13.92
17030	15.18	15.18	15.18	15.18	15.18	15.18
18632	15.79	15.79	15.79	15.79	15.79	15.79
20306	16.53	16.53	16.53	16.53	16.53	16.53
22052	18.11	18.11	18.11	18.11	18.11	18.11
23870	18.98	18.98	18.98	18.98	18.98	18.98
25760	20.35	20.35	20.35	20.35	20.35	20.35
27722	23.99	23.99	23.99	23.99	23.99	23.99
29756	25.01	25.01	25.01	25.01	25.01	25.01
31862	25.64	25.64	25.64	25.64	25.64	25.64
34040	28.17	28.17	28.17	28.17	28.17	28.17
36290	29.02	29.02	29.02	29.02	29.02	29.02
38612	30.73	30.73	30.73	30.73	30.73	30.73
41006	32.18	32.18	32.18	32.18	32.18	32.18
43472	33.52	33.52	33.52	33.52	33.52	33.52
46010	38.6	38.6	38.6	38.6	38.6	38.6
48620	39.22	39.22	39.22	39.22	39.22	39.22
51302	40.4	40.4	40.4	40.4	40.4	40.4
54056	41.49	41.49	41.49	41.49	41.49	41.49
56882	46.77	46.77	46.77	46.77	46.77	46.77

**Pebbling formulas, width 2 chain graphs, substitution xor 2  
no shuffle, no preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
202	5.43	5.43	5.43	51.97	5.43	5.43
402	5.43	5.43	5.43	129.04	5.43	5.43
602	7.83	5.43	5.43	8000	7.55	5.43
802	7.82	5.43	5.43	8000	7.25	7.46
1002	12.23	5.43	5.43	8000	11.62	7.09
1202	12.02	5.43	5.43	8000	18.62	7.07
1402	19.27	5.55	7.43	-	18.65	11.34
1602	19.61	7.92	7.52	-	18.73	18.3
1802	19.59	8.19	7.33	-	23.1	18.28
2002	19.73	8.23	7.37	-	22.62	18.35
2202	23.79	8.31	11.64	-	23.16	18.4
2402	24.97	12.84	11.71	-	23.26	22.79
2602	25.6	12.25	11.65	-	30.98	18.47
2802	26.74	12.41	11.73	-	32.98	22.79
3002	27.77	12.6	11.7	-	33.54	22.79
3202	28.89	12.72	18.3	-	36.1	22.88
3402	38.24	12.78	18.32	-	37.04	30.59
3602	39.1	19.61	18.8	-	37.81	22.98
3802	39.92	19.82	18.74	-	38.14	31.27
4002	41.18	19.86	18.77	-	51.76	33.43
4202	42.09	19.91	18.81	-	52.17	33.41
4402	43.74	19.85	18.79	-	55.88	33.62
4602	44.58	19.96	18.8	-	55.57	33.43
4802	48.27	20.16	18.94	-	56.65	34.39
5002	8000	24.46	18.92	-	59.62	48.09
5202	8000	24.58	23.28	-	59.15	49.0
5402	8000	24.73	23.31	-	60.68	48.03
5602	8000	24.96	23.33	-	61.6	49.66
5802	-	25.46	23.42	-	83.27	53.55
6002	-	26.09	23.39	-	87.39	51.58
6202	-	26.59	23.48	-	87.44	48.75
6402	-	27.08	23.38	-	88.79	55.48
6602	-	27.23	23.32	-	89.1	55.14
6802	-	28.13	23.3	-	92.04	55.08
7002	-	30.19	23.34	-	92.28	56.0
7202	-	30.29	23.72	-	94.43	54.63
7402	-	37.94	24.05	-	93.29	55.11
7602	-	38.0	24.09	-	98.5	55.35
7802	-	38.7	24.38	-	98.59	56.06
8002	-	39.02	24.51	-	99.44	75.07

**Pebbling formulas, width 2 chain graphs, substitution xor 2  
no shuffle, no preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
282	5.43	5.43	5.43	5.43	5.43	5.43
562	5.43	5.43	5.43	6.33	5.43	5.43
842	5.43	5.43	5.43	11.43	5.43	5.43
1122	5.43	5.43	5.43	20.77	5.43	5.43
1402	5.43	5.43	5.43	26.6	5.88	5.43
1682	5.5	5.43	5.43	36.33	7.74	6.43
1962	6.37	5.43	5.43	48.47	8.86	9.71
2242	7.11	5.58	6.84	56.4	10.95	11.47
2522	7.96	6.2	6.24	67.56	13.25	11.93
2802	8.35	6.34	7.14	73.89	14.5	10.99
3082	9.68	7.17	7.98	95.51	15.77	10.96
3362	10.43	8.13	9.23	8000	18.32	15.69
3642	10.35	9.21	10.02	8000	20.68	11.5
3922	12.21	9.93	9.36	8000	22.47	16.15
4202	11.66	10.5	10.17	8000	23.21	17.29
4482	15.24	10.17	10.48	-	25.67	17.18
4762	15.44	11.25	10.38	-	28.04	21.99
5042	15.22	12.61	13.51	-	30.86	19.93
5322	15.52	12.74	12.83	-	33.17	22.72
5602	16.88	15.47	14.64	-	33.51	24.41
5882	17.09	14.48	13.53	-	34.51	25.92
6162	18.58	14.91	15.12	-	37.8	24.8
6442	17.57	16.68	14.79	-	37.85	25.3
6722	20.12	16.98	15.05	-	45.37	35.44
7002	21.21	16.09	15.5	-	47.93	37.36
7282	24.1	18.48	17.77	-	50.99	40.47
7562	23.82	18.83	18.09	-	52.99	41.71
7842	25.57	19.02	19.93	-	56.23	38.27
8122	26.26	20.43	19.64	-	56.51	42.55
8402	8000	21.6	19.46	-	58.23	45.32
8682	8000	21.98	19.73	-	62.03	40.6
8962	8000	24.36	18.57	-	65.26	40.95
9242	-	24.85	19.05	-	69.25	40.22
9522	-	26.32	19.51	-	67.28	45.66
9802	-	23.6	22.33	-	77.52	42.01
10082	-	24.96	20.98	-	80.98	57.38
10362	-	27.3	23.8	-	78.06	64.89
10642	-	28.64	24.57	-	90.69	49.2
10922	-	29.24	23.02	-	84.65	61.5
11202	-	31.39	30.23	-	94.28	69.55

**Pebbling formulas, width 2 chain graphs, substitution xor 2  
shuffle, no preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
202	5.43	5.43	5.43	49.67	5.43	5.43
402	5.43	5.43	5.43	129.31	5.43	5.43
602	7.84	5.43	5.43	8000	5.43	5.43
802	11.63	5.43	5.43	8000	7.66	7.03
1002	12.23	5.43	5.43	8000	11.66	7.5
1202	12.33	5.49	7.64	8000	17.97	10.91
1402	19.28	5.54	7.45	-	18.62	10.59
1602	19.61	7.91	7.55	-	18.76	17.55
1802	19.61	8.18	7.39	-	22.57	18.41
2002	19.73	8.19	11.65	-	22.63	18.43
2202	23.79	8.52	11.74	-	23.09	22.8
2402	24.89	11.99	11.79	-	23.46	22.8
2602	25.85	12.5	11.81	-	23.42	22.81
2802	26.85	12.58	11.84	-	33.72	23.0
3002	27.33	12.63	11.87	-	35.58	22.94
3202	29.14	12.73	18.83	-	35.78	22.97
3402	38.42	19.64	18.88	-	36.96	22.99
3602	38.72	19.6	18.96	-	38.24	31.38
3802	39.92	19.81	18.6	-	51.11	31.36
4002	41.06	19.85	18.96	-	52.2	31.69
4202	42.25	19.81	18.73	-	54.77	33.66
4402	43.22	19.85	18.98	-	55.88	34.24
4602	44.57	19.96	19.01	-	56.46	47.85
4802	48.26	20.11	19.11	-	57.01	47.29
5002	8000	24.48	19.15	-	59.78	34.66
5202	8000	24.57	23.47	-	61.32	49.54
5402	8000	24.84	23.55	-	61.71	48.68
5602	-	24.93	23.62	-	81.8	52.26
5802	-	25.43	23.06	-	87.12	47.8
6002	-	25.8	23.07	-	87.35	52.93
6202	-	26.34	23.11	-	87.86	51.88
6402	-	26.88	23.14	-	88.61	54.48
6602	-	26.97	23.12	-	89.93	52.58
6802	-	28.29	23.61	-	88.38	53.2
7002	-	30.28	23.62	-	90.38	54.72
7202	-	30.31	23.8	-	93.38	54.76
7402	-	37.77	23.84	-	94.18	77.68
7602	-	38.13	24.08	-	99.36	55.45
7802	-	38.27	24.52	-	101.72	55.31
8002	-	39.21	24.44	-	98.92	75.37

**Pebbling formulas, width 2 chain graphs, substitution xor 2  
shuffle, no preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
282	5.43	5.43	5.43	5.43	5.43	5.43
562	5.43	5.43	5.43	6.18	5.43	5.43
842	5.43	5.43	5.43	11.75	5.43	5.43
1122	5.43	5.43	5.43	19.71	5.43	5.43
1402	5.43	5.43	5.43	27.75	6.2	5.48
1682	5.65	5.43	5.43	37.41	7.74	6.75
1962	6.47	5.43	5.43	48.25	9.6	7.38
2242	7.5	6.05	6.18	56.27	11.43	10.33
2522	8.05	6.2	7.16	66.79	12.67	9.92
2802	8.42	5.98	7.4	75.17	14.59	13.41
3082	9.81	7.19	7.93	98.43	16.82	14.81
3362	10.13	8.16	8.62	8000	17.92	11.42
3642	11.82	10.36	10.23	8000	20.54	16.95
3922	12.13	9.39	9.5	8000	21.04	15.07
4202	11.66	10.48	9.89	-	24.41	19.14
4482	15.21	10.17	10.66	-	25.43	19.39
4762	15.34	10.61	10.62	-	26.99	19.97
5042	15.21	13.84	13.66	-	29.12	25.22
5322	15.63	12.87	12.56	-	32.19	23.34
5602	16.89	14.27	14.89	-	32.26	29.06
5882	17.0	14.47	13.84	-	35.4	26.81
6162	18.64	15.07	15.22	-	37.2	26.56
6442	17.61	16.54	16.69	-	44.71	24.65
6722	20.02	16.43	15.61	-	41.58	35.16
7002	21.04	16.15	15.79	-	48.21	36.97
7282	21.18	18.26	16.95	-	53.16	45.84
7562	25.43	18.75	17.07	-	53.39	39.86
7842	25.59	18.79	17.49	-	55.79	37.59
8122	8000	19.32	19.11	-	53.76	42.26
8402	8000	21.58	18.15	-	57.98	47.32
8682	8000	21.93	20.78	-	57.4	40.05
8962	-	24.5	18.83	-	62.55	38.66
9242	-	24.8	19.39	-	66.32	35.52
9522	-	26.3	21.4	-	66.69	50.29
9802	-	26.43	21.77	-	78.52	58.9
10082	-	24.87	20.27	-	76.62	43.95
10362	-	26.9	22.53	-	83.83	48.82
10642	-	29.97	24.98	-	84.43	58.91
10922	-	31.16	23.58	-	88.04	53.95
11202	-	31.24	23.79	-	96.01	59.02



**Pebbling formulas, width 2 chain graphs, substitution xor 2  
no shuffle, preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
202	5.57	5.57	5.57	5.57	5.57	5.57
402	5.57	5.57	5.57	5.57	5.57	5.57
602	5.7	5.7	5.7	5.7	5.7	5.7
802	5.85	5.85	5.85	5.85	5.85	5.85
1002	6.02	6.02	6.02	6.02	6.02	6.02
1202	6.12	6.12	6.12	6.12	6.12	6.12
1402	6.12	6.12	6.12	6.12	6.12	6.12
1602	6.26	6.26	6.26	6.26	6.26	6.26
1802	6.39	6.39	6.39	6.39	6.39	6.39
2002	6.48	6.48	6.48	6.48	6.48	6.48
2202	6.64	6.64	6.64	6.64	6.64	6.64
2402	6.77	6.77	6.77	6.77	6.77	6.77
2602	6.77	6.77	6.77	6.77	6.77	6.77
2802	6.93	6.93	6.93	6.93	6.93	6.93
3002	7.21	7.21	7.21	7.21	7.21	7.21
3202	7.23	7.23	7.23	7.23	7.23	7.23
3402	7.37	7.37	7.37	7.37	7.37	7.37
3602	7.4	7.4	7.4	7.4	7.4	7.4
3802	7.54	7.54	7.54	7.54	7.54	7.54
4002	7.56	7.56	7.56	7.56	7.56	7.56
4202	7.7	7.7	7.7	7.7	7.7	7.7
4402	7.81	7.81	7.81	7.81	7.81	7.81
4602	7.82	7.82	7.82	7.82	7.82	7.82
4802	8.27	8.27	8.27	8.27	8.27	8.27
5002	8.27	8.27	8.27	8.27	8.27	8.27
5202	8.4	8.4	8.4	8.4	8.4	8.4
5402	8.54	8.54	8.54	8.54	8.54	8.54
5602	8.73	8.73	8.73	8.73	8.73	8.73
5802	8.77	8.77	8.77	8.77	8.77	8.77
6002	8.82	8.82	8.82	8.82	8.82	8.82
6202	8.84	8.84	8.84	8.84	8.84	8.84
6402	8.91	8.91	8.91	8.91	8.91	8.91
6602	9.02	9.02	9.02	9.02	9.02	9.02
6802	9.04	9.04	9.04	9.04	9.04	9.04
7002	9.16	9.16	9.16	9.16	9.16	9.16
7202	9.43	9.43	9.43	9.43	9.43	9.43
7402	9.49	9.49	9.49	9.49	9.49	9.49
7602	9.53	9.53	9.53	9.53	9.53	9.53
7802	9.94	9.94	9.94	9.94	9.94	9.94
8002	10.04	10.04	10.04	10.04	10.04	10.04

**Pebbling formulas, width 2 chain graphs, substitution xor 2  
no shuffle, preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
282	5.57	5.57	5.57	5.57	5.57	5.57
562	5.7	5.7	5.7	5.7	5.7	5.7
842	5.85	5.85	5.85	5.85	5.85	5.85
1122	6.12	6.12	6.12	6.12	6.12	6.12
1402	6.12	6.12	6.12	6.12	6.12	6.12
1682	6.26	6.26	6.26	6.26	6.26	6.26
1962	6.48	6.48	6.48	6.48	6.48	6.48
2242	6.64	6.64	6.64	6.64	6.64	6.64
2522	6.77	6.77	6.77	6.77	6.77	6.77
2802	6.93	6.93	6.93	6.93	6.93	6.93
3082	7.08	7.08	7.08	7.08	7.08	7.08
3362	7.39	7.39	7.39	7.39	7.39	7.39
3642	7.59	7.59	7.59	7.59	7.59	7.59
3922	7.56	7.56	7.56	7.56	7.56	7.56
4202	7.7	7.7	7.7	7.7	7.7	7.7
4482	7.8	7.8	7.8	7.8	7.8	7.8
4762	7.82	7.82	7.82	7.82	7.82	7.82
5042	8.4	8.4	8.4	8.4	8.4	8.4
5322	8.43	8.43	8.43	8.43	8.43	8.43
5602	8.73	8.73	8.73	8.73	8.73	8.73
5882	8.79	8.79	8.79	8.79	8.79	8.79
6162	8.83	8.83	8.83	8.83	8.83	8.83
6442	8.91	8.91	8.91	8.91	8.91	8.91
6722	9.04	9.04	9.04	9.04	9.04	9.04
7002	9.16	9.16	9.16	9.16	9.16	9.16
7282	9.5	9.5	9.5	9.5	9.5	9.5
7562	9.52	9.52	9.52	9.52	9.52	9.52
7842	9.95	9.95	9.95	9.95	9.95	9.95
8122	10.18	10.18	10.18	10.18	10.18	10.18
8402	10.38	10.38	10.38	10.38	10.38	10.38
8682	10.48	10.48	10.48	10.48	10.48	10.48
8962	10.5	10.5	10.5	10.5	10.5	10.5
9242	10.53	10.53	10.53	10.53	10.53	10.53
9522	10.62	10.62	10.62	10.62	10.62	10.62
9802	10.82	10.82	10.82	10.82	10.82	10.82
10082	10.99	10.99	10.99	10.99	10.99	10.99
10362	11.06	11.06	11.06	11.06	11.06	11.06
10642	11.12	11.12	11.12	11.12	11.12	11.12
10922	11.54	11.54	11.54	11.54	11.54	11.54
11202	11.6	11.6	11.6	11.6	11.6	11.6

**Pebbling formulas, width 2 chain graphs, substitution xor 2  
shuffle, preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
202	5.57	5.57	5.57	5.57	5.57	5.57
402	5.7	5.7	5.7	5.7	5.7	5.7
602	5.7	5.7	5.7	5.7	5.7	5.7
802	5.98	5.98	5.98	5.98	5.98	5.98
1002	6.05	6.05	6.05	6.05	6.05	6.05
1202	6.14	6.14	6.14	6.14	6.14	6.14
1402	6.15	6.15	6.15	6.15	6.15	6.15
1602	6.31	6.31	6.31	6.31	6.31	6.31
1802	6.42	6.42	6.42	6.42	6.42	6.42
2002	6.55	6.55	6.55	6.55	6.55	6.55
2202	6.79	6.79	6.79	6.79	6.79	6.79
2402	6.86	6.86	6.86	6.86	6.86	6.86
2602	6.83	6.83	6.83	6.83	6.83	6.83
2802	7.0	7.0	7.0	7.0	7.0	7.0
3002	7.28	7.28	7.28	7.28	7.28	7.28
3202	7.32	7.32	7.32	7.32	7.32	7.32
3402	7.47	7.47	7.47	7.47	7.47	7.47
3602	7.6	7.6	7.6	7.6	7.6	7.6
3802	7.55	7.55	7.55	7.55	7.55	7.55
4002	7.7	7.7	7.7	7.7	7.7	7.7
4202	7.7	7.7	7.7	7.7	7.7	7.7
4402	7.94	7.94	7.94	7.94	7.94	7.94
4602	8.03	8.03	8.03	8.03	8.03	8.03
4802	8.4	8.4	8.4	8.4	8.4	8.4
5002	8.52	8.52	8.52	8.52	8.52	8.52
5202	8.45	8.45	8.45	8.45	8.45	8.45
5402	8.71	8.71	8.71	8.71	8.71	8.71
5602	8.69	8.69	8.69	8.69	8.69	8.69
5802	8.92	8.92	8.92	8.92	8.92	8.92
6002	8.91	8.91	8.91	8.91	8.91	8.91
6202	9.0	9.0	9.0	9.0	9.0	9.0
6402	8.95	8.95	8.95	8.95	8.95	8.95
6602	9.17	9.17	9.17	9.17	9.17	9.17
6802	9.23	9.23	9.23	9.23	9.23	9.23
7002	9.33	9.33	9.33	9.33	9.33	9.33
7202	9.62	9.62	9.62	9.62	9.62	9.62
7402	9.66	9.66	9.66	9.66	9.66	9.66
7602	9.72	9.72	9.72	9.72	9.72	9.72
7802	10.15	10.15	10.15	10.15	10.15	10.15
8002	10.11	10.11	10.11	10.11	10.11	10.11

**Pebbling formulas, width 2 chain graphs, substitution xor 2  
shuffle, preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
282	5.57	5.57	5.57	5.57	5.57	5.57
562	5.7	5.7	5.7	5.7	5.7	5.7
842	5.97	5.97	5.97	5.97	5.97	5.97
1122	6.14	6.14	6.14	6.14	6.14	6.14
1402	6.15	6.15	6.15	6.15	6.15	6.15
1682	6.3	6.3	6.3	6.3	6.3	6.3
1962	6.55	6.55	6.55	6.55	6.55	6.55
2242	6.8	6.8	6.8	6.8	6.8	6.8
2522	6.85	6.85	6.85	6.85	6.85	6.85
2802	7.0	7.0	7.0	7.0	7.0	7.0
3082	7.32	7.32	7.32	7.32	7.32	7.32
3362	7.46	7.46	7.46	7.46	7.46	7.46
3642	7.61	7.61	7.61	7.61	7.61	7.61
3922	7.69	7.69	7.69	7.69	7.69	7.69
4202	7.7	7.7	7.7	7.7	7.7	7.7
4482	7.91	7.91	7.91	7.91	7.91	7.91
4762	8.05	8.05	8.05	8.05	8.05	8.05
5042	8.46	8.46	8.46	8.46	8.46	8.46
5322	8.59	8.59	8.59	8.59	8.59	8.59
5602	8.69	8.69	8.69	8.69	8.69	8.69
5882	8.75	8.75	8.75	8.75	8.75	8.75
6162	8.93	8.93	8.93	8.93	8.93	8.93
6442	8.96	8.96	8.96	8.96	8.96	8.96
6722	9.2	9.2	9.2	9.2	9.2	9.2
7002	9.33	9.33	9.33	9.33	9.33	9.33
7282	9.64	9.64	9.64	9.64	9.64	9.64
7562	9.71	9.71	9.71	9.71	9.71	9.71
7842	10.16	10.16	10.16	10.16	10.16	10.16
8122	10.4	10.4	10.4	10.4	10.4	10.4
8402	10.47	10.47	10.47	10.47	10.47	10.47
8682	10.54	10.54	10.54	10.54	10.54	10.54
8962	10.61	10.61	10.61	10.61	10.61	10.61
9242	10.68	10.68	10.68	10.68	10.68	10.68
9522	10.76	10.76	10.76	10.76	10.76	10.76
9802	10.94	10.94	10.94	10.94	10.94	10.94
10082	11.02	11.02	11.02	11.02	11.02	11.02
10362	11.17	11.17	11.17	11.17	11.17	11.17
10642	11.23	11.23	11.23	11.23	11.23	11.23
10922	11.65	11.65	11.65	11.65	11.65	11.65
11202	11.86	11.86	11.86	11.86	11.86	11.86

**Pebbling formulas, width 5 chain graphs, substitution xor 2  
no shuffle, no preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
408	5.43	5.43	5.43	295.08	5.43	5.43
808	5.43	5.43	5.43	8000	17.18	17.92
1208	5.43	5.43	5.43	8000	22.58	22.31
1608	8.07	5.57	7.69	8000	29.72	21.48
2008	7.96	5.66	7.71	-	31.46	21.52
2408	11.95	8.28	7.46	-	46.93	29.47
2808	12.6	8.38	11.73	-	48.34	29.68
3208	12.81	8.55	11.32	-	50.45	30.92
3608	19.71	12.69	11.42	-	76.37	44.71
4008	19.57	12.38	11.45	-	77.3	47.64
4408	19.7	12.89	18.85	-	85.05	48.36
4808	19.91	13.1	18.97	-	115.75	48.51
5208	19.96	20.07	18.97	-	122.25	48.47
5608	24.51	20.0	19.07	-	121.48	76.1
6008	24.66	20.19	19.12	-	125.41	80.84
6408	25.52	20.33	19.21	-	126.39	80.62
6808	26.21	20.14	23.4	-	133.3	80.9
7208	27.29	20.46	23.57	-	133.0	110.95
7608	28.2	24.78	23.04	-	190.75	80.47
8008	28.96	25.43	23.6	-	196.28	113.46
8408	31.04	25.62	23.21	-	198.55	118.69
8808	38.2	25.73	23.61	-	196.16	116.69
9208	39.28	26.0	23.81	-	207.36	120.55
9608	40.1	26.41	24.46	-	208.25	181.64
10008	41.08	27.32	24.84	-	211.59	126.49
10408	41.79	27.79	25.23	-	297.27	185.72
10808	43.12	28.62	34.45	-	304.36	186.85
11208	8000	30.84	34.52	-	305.62	185.36
11608	8000	38.11	34.58	-	306.14	190.61
12008	8000	38.38	34.78	-	315.62	188.78
12408	-	39.31	35.27	-	310.73	193.59
12808	-	39.66	35.71	-	314.91	196.23
13208	-	40.18	36.29	-	316.59	194.61
13608	-	41.09	36.49	-	479.7	196.82
14008	-	41.8	37.12	-	480.18	205.15
14408	-	42.54	37.59	-	341.33	197.73
14808	-	43.09	37.75	-	479.62	199.23
15208	-	43.78	38.2	-	485.06	201.55
15608	-	44.25	38.8	-	489.95	290.82
16008	-	47.23	41.53	-	491.66	290.43

**Pebbling formulas, width 5 chain graphs, substitution xor 2  
no shuffle, no preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
408	5.43	5.43	5.43	5.43	5.43	5.43
808	5.43	5.43	5.43	8.47	5.43	5.43
1208	5.43	5.43	5.43	17.75	5.8	5.43
1608	5.43	5.43	5.43	29.47	7.55	7.2
2008	5.43	5.43	5.43	47.95	9.99	8.1
2408	6.51	5.43	5.52	63.63	13.28	12.12
2808	6.79	5.69	6.52	95.54	15.51	14.69
3208	7.05	6.54	7.36	122.21	19.58	15.4
3608	9.3	6.7	9.23	143.27	22.99	17.26
4008	9.34	8.16	9.52	8000	27.12	16.88
4408	10.34	8.47	10.23	8000	29.64	19.03
4808	9.72	10.07	9.41	8000	34.79	21.45
5208	11.64	10.14	11.53	-	35.27	29.16
5608	14.4	11.2	11.88	-	38.68	37.27
6008	14.55	11.79	12.48	-	42.21	33.76
6408	15.53	13.07	15.04	-	47.32	34.62
6808	14.19	12.28	14.91	-	46.86	39.75
7208	15.27	12.88	15.59	-	60.72	34.36
7608	14.15	15.3	13.96	-	58.55	44.54
8008	16.95	14.38	15.7	-	67.38	39.96
8408	18.95	14.32	16.97	-	61.32	43.25
8808	18.89	16.14	17.36	-	71.32	43.68
9208	19.34	16.42	18.35	-	73.74	44.19
9608	19.48	17.0	18.06	-	74.7	50.13
10008	23.42	18.76	20.32	-	80.18	51.81
10408	23.9	18.93	21.91	-	82.97	79.99
10808	23.84	19.64	20.14	-	90.43	69.84
11208	24.23	20.24	20.58	-	90.86	75.89
11608	22.67	22.61	23.28	-	85.94	70.65
12008	22.78	21.62	23.63	-	99.55	73.17
12408	31.7	24.81	28.38	-	100.23	67.08
12808	32.05	25.29	28.76	-	100.9	73.1
13208	32.34	25.48	29.84	-	104.02	78.19
13608	32.6	25.85	30.1	-	103.52	75.27
14008	30.84	27.77	28.1	-	120.75	77.89
14408	35.94	27.98	34.3	-	141.0	89.83
14808	8000	32.1	34.6	-	150.88	103.61
15208	8000	32.3	26.79	-	157.44	92.73
15608	8000	32.55	31.42	-	153.69	103.93
16008	-	32.79	28.11	-	158.43	96.0

**Pebbling formulas, width 5 chain graphs, substitution xor 2  
shuffle, no preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
408	5.43	5.43	5.43	291.05	6.77	5.43
808	5.43	5.43	5.43	8000	17.1	11.01
1208	5.43	5.43	5.43	8000	22.56	10.11
1608	8.07	5.56	7.72	8000	29.73	17.19
2008	8.2	5.48	7.57	-	32.02	22.47
2408	11.94	8.26	7.71	-	46.83	22.63
2808	12.6	8.38	11.81	-	47.59	42.91
3208	12.82	8.53	11.89	-	50.61	44.62
3608	19.71	12.64	11.96	-	72.81	46.55
4008	19.58	12.38	11.98	-	80.45	47.91
4408	19.72	12.84	18.92	-	79.95	47.34
4808	19.91	13.02	19.04	-	115.7	48.3
5208	19.97	19.82	19.04	-	115.82	69.97
5608	24.51	20.03	19.14	-	122.1	73.39
6008	24.68	20.14	19.19	-	122.45	74.84
6408	25.38	20.32	19.27	-	126.57	80.88
6808	26.23	20.61	23.46	-	133.47	111.34
7208	27.29	20.66	23.64	-	193.63	111.1
7608	28.07	25.06	23.65	-	191.85	114.76
8008	30.66	25.45	23.63	-	197.83	114.06
8408	38.0	25.72	23.75	-	199.71	115.89
8808	38.42	25.82	23.79	-	203.3	119.98
9208	39.31	25.95	23.9	-	207.23	119.45
9608	40.29	26.39	24.49	-	211.8	181.64
10008	41.07	27.24	24.87	-	299.07	120.52
10408	41.91	27.82	25.37	-	300.42	181.1
10808	42.84	28.81	34.5	-	304.56	186.92
11208	8000	37.73	34.59	-	303.79	185.31
11608	8000	38.16	34.74	-	306.14	186.2
12008	8000	38.42	34.83	-	305.16	187.62
12408	-	38.76	35.35	-	311.79	195.43
12808	-	39.85	35.58	-	313.22	190.65
13208	-	40.37	36.23	-	314.94	195.92
13608	-	41.24	36.68	-	324.29	198.96
14008	-	41.91	37.13	-	334.1	196.68
14408	-	42.42	37.59	-	481.55	200.06
14808	-	43.05	38.2	-	484.48	201.55
15208	-	43.97	38.29	-	481.97	286.32
15608	-	44.4	39.12	-	487.26	290.75
16008	-	47.27	39.06	-	493.99	287.4

**Pebbling formulas, width 5 chain graphs, substitution xor 2  
shuffle, no preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
408	5.43	5.43	5.43	5.43	5.43	5.43
808	5.43	5.43	5.43	9.36	5.43	5.43
1208	5.43	5.43	5.43	19.37	5.49	5.43
1608	5.43	5.43	5.43	28.98	7.55	6.36
2008	5.43	5.43	5.43	46.85	11.77	8.25
2408	6.53	5.43	6.35	67.77	12.91	9.47
2808	6.77	5.69	6.45	102.64	16.11	11.5
3208	7.25	6.52	6.55	124.09	19.0	17.72
3608	8.76	6.82	8.9	146.75	23.86	18.66
4008	9.33	8.11	8.92	8000	28.12	20.16
4408	10.36	8.82	10.25	8000	32.53	20.62
4808	9.68	9.77	9.54	8000	35.6	24.02
5208	11.62	9.18	11.69	8000	36.04	20.95
5608	14.4	11.22	13.56	-	38.77	34.71
6008	14.56	11.75	12.67	-	41.67	29.55
6408	13.23	13.06	15.14	-	44.23	33.55
6808	14.19	13.98	15.08	-	48.7	30.64
7208	14.22	14.07	15.79	-	54.84	37.05
7608	14.12	14.1	15.26	-	64.84	40.09
8008	16.99	14.32	15.88	-	63.09	41.56
8408	18.91	14.27	18.1	-	61.88	49.16
8808	18.89	16.11	17.94	-	65.3	44.73
9208	19.35	16.41	18.48	-	71.69	49.91
9608	19.47	16.97	22.64	-	75.44	52.7
10008	23.38	18.67	20.59	-	77.57	52.11
10408	23.81	18.98	22.22	-	84.81	61.26
10808	23.82	19.64	20.13	-	88.29	59.23
11208	24.24	22.21	23.2	-	89.3	72.98
11608	22.66	22.5	23.52	-	90.06	82.82
12008	26.86	21.66	23.96	-	91.36	84.23
12408	31.67	22.09	28.68	-	99.38	80.08
12808	32.04	25.22	29.15	-	100.86	75.92
13208	32.3	25.53	30.2	-	106.98	74.38
13608	32.57	25.82	30.45	-	107.5	90.73
14008	30.88	34.65	32.25	-	123.49	83.73
14408	8000	31.88	32.36	-	136.82	85.39
14808	8000	32.07	26.95	-	151.38	88.23
15208	8000	32.3	36.15	-	158.1	95.76
15608	-	32.47	30.52	-	150.05	94.93
16008	-	32.76	30.78	-	155.37	100.34



**Pebbling formulas, width 5 chain graphs, substitution xor 2  
no shuffle, preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
408	5.57	5.57	5.57	5.57	5.57	5.57
808	5.83	5.83	5.83	5.83	5.83	5.83
1208	6.13	6.13	6.13	6.13	6.13	6.13
1608	6.29	6.29	6.29	6.29	6.29	6.29
2008	6.5	6.5	6.5	6.5	6.5	6.5
2408	6.67	6.67	6.67	6.67	6.67	6.67
2808	6.93	6.93	6.93	6.93	6.93	6.93
3208	7.26	7.26	7.26	7.26	7.26	7.26
3608	7.55	7.55	7.55	7.55	7.55	7.55
4008	7.55	7.55	7.55	7.55	7.55	7.55
4408	7.86	7.86	7.86	7.86	7.86	7.86
4808	8.31	8.31	8.31	8.31	8.31	8.31
5208	8.31	8.31	8.31	8.31	8.31	8.31
5608	8.53	8.53	8.53	8.53	8.53	8.53
6008	8.68	8.68	8.68	8.68	8.68	8.68
6408	8.79	8.79	8.79	8.79	8.79	8.79
6808	9.04	9.04	9.04	9.04	9.04	9.04
7208	9.33	9.33	9.33	9.33	9.33	9.33
7608	9.51	9.51	9.51	9.51	9.51	9.51
8008	10.0	10.0	10.0	10.0	10.0	10.0
8408	10.4	10.4	10.4	10.4	10.4	10.4
8808	10.46	10.46	10.46	10.46	10.46	10.46
9208	10.53	10.53	10.53	10.53	10.53	10.53
9608	10.52	10.52	10.52	10.52	10.52	10.52
10008	10.88	10.88	10.88	10.88	10.88	10.88
10408	11.02	11.02	11.02	11.02	11.02	11.02
10808	11.48	11.48	11.48	11.48	11.48	11.48
11208	11.52	11.52	11.52	11.52	11.52	11.52
11608	11.86	11.86	11.86	11.86	11.86	11.86
12008	11.94	11.94	11.94	11.94	11.94	11.94
12408	12.28	12.28	12.28	12.28	12.28	12.28
12808	13.03	13.03	13.03	13.03	13.03	13.03
13208	13.08	13.08	13.08	13.08	13.08	13.08
13608	13.16	13.16	13.16	13.16	13.16	13.16
14008	13.25	13.25	13.25	13.25	13.25	13.25
14408	13.39	13.39	13.39	13.39	13.39	13.39
14808	13.59	13.59	13.59	13.59	13.59	13.59
15208	13.68	13.68	13.68	13.68	13.68	13.68
15608	13.93	13.93	13.93	13.93	13.93	13.93
16008	14.01	14.01	14.01	14.01	14.01	14.01

**Pebbling formulas, width 5 chain graphs, substitution xor 2  
no shuffle, preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
408	5.57	5.57	5.57	5.57	5.57	5.57
808	5.83	5.83	5.83	5.83	5.83	5.83
1208	6.13	6.13	6.13	6.13	6.13	6.13
1608	6.29	6.29	6.29	6.29	6.29	6.29
2008	6.5	6.5	6.5	6.5	6.5	6.5
2408	6.67	6.67	6.67	6.67	6.67	6.67
2808	6.93	6.93	6.93	6.93	6.93	6.93
3208	7.26	7.26	7.26	7.26	7.26	7.26
3608	7.55	7.55	7.55	7.55	7.55	7.55
4008	7.55	7.55	7.55	7.55	7.55	7.55
4408	7.86	7.86	7.86	7.86	7.86	7.86
4808	8.31	8.31	8.31	8.31	8.31	8.31
5208	8.31	8.31	8.31	8.31	8.31	8.31
5608	8.53	8.53	8.53	8.53	8.53	8.53
6008	8.68	8.68	8.68	8.68	8.68	8.68
6408	8.79	8.79	8.79	8.79	8.79	8.79
6808	9.04	9.04	9.04	9.04	9.04	9.04
7208	9.33	9.33	9.33	9.33	9.33	9.33
7608	9.51	9.51	9.51	9.51	9.51	9.51
8008	10.0	10.0	10.0	10.0	10.0	10.0
8408	10.4	10.4	10.4	10.4	10.4	10.4
8808	10.46	10.46	10.46	10.46	10.46	10.46
9208	10.53	10.53	10.53	10.53	10.53	10.53
9608	10.52	10.52	10.52	10.52	10.52	10.52
10008	10.88	10.88	10.88	10.88	10.88	10.88
10408	11.02	11.02	11.02	11.02	11.02	11.02
10808	11.48	11.48	11.48	11.48	11.48	11.48
11208	11.52	11.52	11.52	11.52	11.52	11.52
11608	11.86	11.86	11.86	11.86	11.86	11.86
12008	11.94	11.94	11.94	11.94	11.94	11.94
12408	12.28	12.28	12.28	12.28	12.28	12.28
12808	13.03	13.03	13.03	13.03	13.03	13.03
13208	13.08	13.08	13.08	13.08	13.08	13.08
13608	13.16	13.16	13.16	13.16	13.16	13.16
14008	13.25	13.25	13.25	13.25	13.25	13.25
14408	13.39	13.39	13.39	13.39	13.39	13.39
14808	13.59	13.59	13.59	13.59	13.59	13.59
15208	13.68	13.68	13.68	13.68	13.68	13.68
15608	13.93	13.93	13.93	13.93	13.93	13.93
16008	14.01	14.01	14.01	14.01	14.01	14.01





# **Relativized pigeonhole principle formulas (RPHP)**

**RPHP, 2 pigeons, no shuffle, no preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
4	5.43	5.43	5.43	5.43	5.43	5.43
202	5.43	5.43	5.43	5.43	5.43	5.43
402	5.43	5.43	5.43	5.43	5.43	5.43
602	5.43	5.43	5.43	5.43	5.43	5.43
802	5.43	5.43	5.43	5.43	5.43	5.43
1002	5.43	6.72	5.43	5.43	7.57	5.43
1202	7.21	7.52	5.43	6.95	11.77	14.57
1402	7.48	11.33	5.43	7.65	21.64	18.7
1602	9.11	15.68	6.41	10.61	25.62	17.73
1802	12.01	20.78	6.97	11.62	38.94	26.27
2002	16.75	24.94	9.92	16.12	54.33	19.73
2202	18.41	28.2	11.22	18.32	58.66	35.88
2402	18.37	28.26	13.54	18.62	66.27	38.91
2602	26.09	41.54	13.76	25.72	96.05	58.77
2802	28.73	43.27	15.45	25.55	108.55	33.89
3002	29.17	47.02	19.88	27.8	150.55	147.77
3202	35.34	62.59	23.98	33.7	174.81	111.25
3402	37.53	75.59	22.92	37.04	229.98	142.7
3602	43.26	71.17	26.36	42.04	236.48	159.02
3802	47.76	80.38	27.36	44.49	281.38	253.56
4002	50.13	87.14	31.29	46.14	273.39	8000
4202	58.22	88.97	32.32	55.99	8000	8000
4402	59.61	108.66	37.61	57.38	8000	233.43
4602	68.81	123.95	39.22	60.15	8000	8000
4802	71.77	122.98	45.82	68.7	8000	8000
5002	75.74	196.37	51.35	73.79	8000	8000
5202	89.7	138.65	52.57	87.91	8000	-
5402	91.08	169.78	58.6	88.84	-	-
5602	97.25	167.07	61.29	92.29	-	-
5802	108.63	252.28	63.95	94.98	-	-
6002	121.05	227.99	70.16	109.31	-	-
6202	122.81	250.12	79.57	112.52	-	-
6402	124.93	222.66	80.28	117.27	-	-
6602	145.21	256.87	80.35	119.42	-	-
6802	147.3	262.08	82.8	140.16	-	-
7002	156.24	315.18	8000	144.55	-	-
7202	159.43	8000	8000	151.72	-	-
7402	166.26	8000	8000	161.44	-	-
7602	188.77	8000	-	182.22	-	-
7802	191.35	-	-	185.64	-	-

**RPHP, 2 pigeons, no shuffle, no preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
4	5.43	5.43	5.43	5.43	5.43	5.43
152	5.43	5.43	5.43	5.43	5.43	5.43
302	5.43	5.43	5.43	5.43	5.43	5.43
452	5.43	5.43	5.43	5.43	5.43	5.43
602	5.43	5.43	5.43	5.43	5.43	5.43
752	5.43	5.43	5.43	5.43	5.43	5.43
902	5.43	5.43	5.43	5.43	7.48	7.38
1052	5.43	7.33	5.43	5.43	11.66	7.93
1202	7.21	7.52	5.43	6.95	11.77	14.57
1352	6.97	11.19	5.43	6.92	18.31	11.56
1502	7.85	14.36	6.17	8.02	23.55	23.29
1652	10.86	15.89	6.33	10.63	25.78	19.2
1802	12.01	20.78	6.97	11.62	38.94	26.27
1952	16.52	25.18	9.7	16.15	40.67	36.53
2102	17.09	24.67	10.03	16.41	54.28	55.47
2252	18.04	27.36	11.21	18.52	60.05	28.32
2402	18.37	28.26	13.54	18.62	66.27	38.91
2552	23.81	36.18	13.59	25.75	94.04	88.16
2702	26.34	42.39	17.96	25.85	133.66	89.18
2852	28.87	49.79	15.79	28.04	108.52	91.03
3002	29.17	47.02	19.88	27.8	150.55	147.77
3152	30.58	64.09	22.65	29.32	231.57	112.06
3302	36.55	55.38	23.14	35.88	175.07	23.14
3452	38.02	79.7	22.91	37.18	168.51	91.9
3602	43.26	71.17	26.36	42.04	236.48	159.02
3752	46.26	69.89	28.79	43.91	234.87	141.72
3902	49.65	94.57	32.16	45.28	363.39	154.66
4052	57.35	126.66	30.66	46.52	273.97	8000
4202	58.22	88.97	32.32	55.99	8000	8000
4352	59.27	126.99	35.83	57.08	8000	8000
4502	60.32	159.28	36.63	57.96	8000	-
4652	69.09	111.92	42.25	67.08	8000	-
4802	71.77	122.98	45.82	68.7	8000	-
4952	74.8	138.07	50.1	73.43	8000	-
5102	77.17	138.87	52.34	76.07	8000	-
5252	89.99	165.18	52.45	87.96	-	-
5402	91.08	169.78	58.6	88.84	-	-
5552	93.2	176.15	60.25	91.63	-	-
5702	104.82	181.15	63.87	93.74	-	-
5852	120.18	210.76	69.66	96.48	-	-

**RPHP, 2 pigeons, shuffle, no preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
4	5.43	5.43	5.43	5.43	5.43	5.43
202	5.43	5.43	5.43	5.43	5.43	5.43
402	5.43	5.43	5.43	5.43	5.43	5.43
602	5.43	5.43	5.43	5.43	5.43	5.43
802	5.43	5.43	5.43	5.43	5.43	6.14
1002	5.43	6.8	5.43	5.43	7.81	7.61
1202	7.51	7.59	5.43	7.16	18.7	12.54
1402	7.86	11.6	5.43	7.68	22.34	23.11
1602	9.49	16.05	6.54	10.77	25.75	18.07
1802	12.55	18.43	8.9	12.07	36.46	26.42
2002	17.54	25.3	10.32	16.61	55.45	27.92
2202	17.55	21.88	11.23	16.78	60.55	26.69
2402	18.88	29.06	14.23	18.76	70.85	59.72
2602	26.84	42.22	14.03	26.22	90.24	94.16
2802	29.48	42.45	16.51	25.91	147.43	91.3
3002	30.61	73.8	21.31	28.58	142.62	104.5
3202	37.26	57.94	25.33	35.26	160.05	102.03
3402	38.96	92.3	23.31	37.78	174.39	166.99
3602	40.39	86.98	26.83	39.05	236.29	149.17
3802	50.43	103.31	28.41	45.39	251.17	255.53
4002	52.62	101.34	29.66	47.82	365.155	230.19
4202	61.06	118.48	34.6	57.72	8000	8000
4402	62.96	112.68	38.94	59.69	8000	260.21
4602	71.96	107.23	41.5	68.69	8000	8000
4802	76.89	136.35	44.17	73.0	8000	8000
5002	80.33	114.25	53.12	76.73	8000	8000
5202	93.8	198.25	55.35	90.57	8000	-
5402	95.12	161.83	58.32	92.14	8000	-
5602	101.77	207.77	66.24	95.94	8000	-
5802	114.51	217.79	69.46	98.82	-	-
6002	127.16	233.445	75.99	113.38	-	-
6202	129.39	228.89	84.45	117.35	-	-
6402	131.05	249.14	85.7	121.49	-	-
6602	152.32	257.3	86.05	125.92	-	-
6802	154.96	8000	8000	145.96	-	-
7002	159.12	8000	8000	150.19	-	-
7202	167.84	8000	8000	156.77	-	-
7402	173.62	8000	-	164.84	-	-
7602	195.41	-	-	189.68	-	-
7802	197.48	-	-	189.39	-	-



**RPHP, 2 pigeons, shuffle, no preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
4	5.43	5.43	5.43	5.43	5.43	5.43
152	5.43	5.43	5.43	5.43	5.43	5.43
302	5.43	5.43	5.43	5.43	5.43	5.43
452	5.43	5.43	5.43	5.43	5.43	5.43
602	5.43	5.43	5.43	5.43	5.43	5.43
752	5.43	5.43	5.43	5.43	5.43	5.43
902	5.43	5.43	5.43	5.43	7.81	6.38
1052	5.43	5.88	5.43	5.43	11.48	7.64
1202	7.51	7.59	5.43	7.16	18.7	12.54
1352	7.82	11.54	5.43	7.01	17.92	18.15
1502	8.35	14.39	6.29	8.11	24.05	19.07
1652	11.27	17.85	6.49	10.8	27.24	19.53
1802	12.55	18.43	8.9	12.07	36.46	26.42
1952	17.24	18.65	10.27	16.63	40.41	28.97
2102	17.93	25.28	10.17	16.61	67.03	55.39
2252	18.55	31.91	11.25	18.61	61.53	54.55
2402	18.88	29.06	14.23	18.76	70.85	59.72
2552	26.91	35.44	16.22	26.27	98.5	67.25
2702	27.19	43.76	14.65	25.79	101.73	59.77
2852	29.72	51.81	16.52	25.99	145.83	64.81
3002	30.61	73.8	21.31	28.58	142.62	104.5
3152	32.49	53.6	22.19	30.23	156.27	187.88
3302	38.15	61.16	25.07	36.74	166.61	158.82
3452	39.39	77.24	23.16	38.01	251.34	163.18
3602	40.39	86.98	26.83	39.05	236.29	149.17
3752	48.12	78.95	28.27	44.98	248.07	8000
3902	52.4	78.36	33.67	47.07	261.16	218.64
4052	59.88	99.83	34.2	48.36	8000	184.23
4202	61.06	118.48	34.6	57.72	8000	8000
4352	62.39	107.06	38.88	59.37	8000	350.31
4502	63.43	120.04	41.04	60.89	8000	8000
4652	72.28	140.54	44.62	69.35	8000	368.57
4802	76.89	136.35	44.17	73.0	-	8000
4952	79.74	133.12	52.89	76.25	-	8000
5102	81.33	142.18	46.96	78.93	-	8000
5252	94.08	171.77	55.66	90.83	-	-
5402	95.12	161.83	58.32	92.14	-	-
5552	97.49	209.0	66.16	95.44	-	-
5702	110.82	200.88	69.33	97.62	-	-
5852	125.78	180.04	75.28	99.34	-	-

**RPHP, 2 pigeons, no shuffle, preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
4	5.44	5.44	5.44	5.44	5.44	5.44
202	5.57	5.57	5.57	5.57	5.57	5.57
402	5.88	5.88	5.88	5.88	5.88	5.88
602	6.24	6.24	6.24	6.24	6.24	6.24
802	6.62	6.62	6.62	6.62	6.62	6.62
1002	7.41	7.41	7.41	7.41	7.41	7.41
1202	8.0	8.0	8.0	8.0	8.0	8.0
1402	8.78	8.78	8.78	8.78	8.78	8.78
1602	9.86	9.86	9.86	9.86	9.86	9.86
1802	10.15	10.15	10.15	10.15	10.15	10.15
2002	11.59	11.59	11.59	11.59	11.59	11.59
2202	13.44	13.56	14.82	13.44	13.44	13.44
2402	15.65	15.65	15.65	15.65	15.65	15.65
2602	16.18	16.18	16.18	16.18	16.18	16.18
2802	16.79	17.79	20.23	16.79	16.79	16.79
3002	17.34	26.97	17.34	17.34	17.34	17.34
3202	26.49	26.53	26.49	26.49	26.49	26.49
3402	27.14	27.15	33.67	27.14	27.14	27.14
3602	27.79	27.79	27.79	27.79	27.79	27.79
3802	28.87	33.28	46.74	28.87	28.87	28.87
4002	38.06	38.06	38.06	38.06	38.06	38.06
4202	38.68	38.68	47.62	38.68	58.54	123.58
4402	39.46	39.46	39.46	39.46	39.46	39.46
4602	40.83	40.83	50.62	40.83	55.14	60.43
4802	48.64	62.66	48.64	48.64	48.64	48.64
5002	63.7	63.7	63.7	63.7	63.7	63.7
5202	64.6	76.0	84.94	64.6	64.6	64.6
5402	65.5	65.5	65.5	65.5	65.5	65.5
5602	67.62	79.03	90.09	67.62	67.62	67.62
5802	68.52	79.93	84.77	68.52	139.41	126.6
6002	69.51	80.91	115.51	69.51	69.51	69.51
6202	70.25	81.73	198.77	70.25	84.7	176.99
6402	94.09	94.09	176.18	94.09	136.92	94.09
6602	94.73	95.56	94.73	94.73	94.73	94.73
6802	97.48	116.09	194.56	97.48	97.48	97.48
7002	98.33	98.39	98.33	98.33	148.05	322.4
7202	115.78	134.35	115.78	115.78	115.78	115.78
7402	117.03	117.14	117.03	117.03	117.03	117.03
7602	118.47	118.47	118.47	118.47	118.47	118.47
7802	124.06	186.88	139.44	124.06	124.06	124.06

**RPHP, 2 pigeons, no shuffle, preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
4	5.44	5.44	5.44	5.44	5.44	5.44
152	5.57	5.57	5.57	5.57	5.57	5.57
302	5.7	5.7	5.7	5.7	5.7	5.7
452	5.97	5.97	5.97	5.97	5.97	5.97
602	6.24	6.24	6.24	6.24	6.24	6.24
752	6.62	6.62	6.62	6.62	6.62	6.62
902	7.08	7.08	7.08	7.08	7.08	7.08
1052	7.49	7.49	7.49	7.49	7.49	7.49
1202	8.0	8.0	8.0	8.0	8.0	8.0
1352	8.15	8.15	8.15	8.15	8.15	8.15
1502	9.7	9.7	9.7	9.7	9.7	9.7
1652	9.96	9.96	9.96	9.96	9.96	9.96
1802	10.15	10.15	10.15	10.15	10.15	10.15
1952	11.43	11.43	11.43	11.43	11.43	11.43
2102	13.14	13.14	13.14	13.14	13.14	13.14
2252	13.57	13.57	13.57	13.57	13.57	13.57
2402	15.65	15.65	15.65	15.65	15.65	15.65
2552	16.18	18.84	16.18	16.18	16.18	16.18
2702	16.45	16.45	16.45	16.45	16.45	16.45
2852	16.91	16.91	16.91	16.91	16.91	16.91
3002	17.34	26.97	17.34	17.34	17.34	17.34
3152	26.14	26.14	32.0	26.14	26.14	26.14
3302	26.79	26.83	26.79	26.79	26.79	26.79
3452	27.24	31.61	47.54	27.24	27.24	27.24
3602	27.79	27.79	27.79	27.79	27.79	27.79
3752	28.73	37.36	37.55	28.73	51.15	53.23
3902	37.86	37.86	37.86	37.86	37.86	37.86
4052	38.32	38.32	38.32	38.32	38.32	38.32
4202	38.68	38.68	47.62	38.68	58.54	123.58
4352	39.18	46.3	39.18	39.18	39.18	39.18
4502	39.6	46.69	42.37	39.6	57.11	48.81
4652	40.98	50.96	54.88	40.98	57.08	114.62
4802	48.64	62.66	48.64	48.64	48.64	48.64
4952	63.45	63.45	78.79	63.45	63.45	63.45
5102	64.08	64.14	81.19	64.08	64.08	64.08
5252	64.68	76.2	85.61	64.68	64.68	64.68
5402	65.5	65.5	65.5	65.5	65.5	65.5
5552	67.35	67.35	79.04	67.35	67.35	67.35
5702	68.0	68.0	68.0	68.0	68.0	68.0
5852	68.76	80.18	167.78	68.76	136.29	128.16

**RPHP, 2 pigeons, shuffle, preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
4	5.44	5.44	5.44	5.44	5.44	5.44
202	5.57	5.57	5.57	5.57	5.57	5.57
402	5.89	5.89	5.89	5.89	5.89	5.89
602	6.27	6.27	6.27	6.27	6.27	6.27
802	6.82	6.82	6.82	6.82	6.82	6.82
1002	7.68	7.68	7.68	7.68	7.68	7.68
1202	8.4	8.4	8.4	8.4	8.4	8.4
1402	9.77	9.77	9.77	9.77	9.77	9.77
1602	10.93	10.93	10.93	10.93	10.93	10.93
1802	11.43	11.43	11.43	11.43	11.43	12.47
2002	12.86	12.86	12.86	12.86	12.86	12.86
2202	15.64	15.64	15.64	15.64	15.68	15.68
2402	18.07	18.07	18.07	18.07	18.07	18.07
2602	18.84	18.91	18.84	18.84	18.84	18.84
2802	19.6	22.27	22.32	19.6	25.06	29.23
3002	20.65	25.96	20.65	20.65	23.38	23.38
3202	31.36	31.43	31.36	31.36	31.36	31.36
3402	32.38	36.79	32.38	32.38	32.38	36.8
3602	33.62	38.02	33.62	33.62	38.04	38.04
3802	35.16	39.48	50.99	35.16	39.59	50.81
4002	44.83	44.83	44.83	44.83	57.34	57.88
4202	45.59	45.7	52.79	45.59	45.59	45.59
4402	46.67	46.67	83.45	46.67	60.11	74.12
4602	48.5	55.61	73.91	48.5	48.5	48.5
4802	59.9	73.92	59.9	59.9	87.4	94.89
5002	75.55	75.55	87.24	75.55	75.55	87.24
5202	76.83	88.32	88.52	76.83	76.83	76.83
5402	78.54	78.63	93.43	78.54	102.93	295.11
5602	81.02	92.46	81.02	81.02	81.02	92.46
5802	82.3	93.77	82.3	82.3	104.8	82.3
6002	83.73	83.73	83.73	83.73	83.73	125.52
6202	85.43	108.23	129.19	85.43	105.3	189.57
6402	109.66	109.78	128.64	109.66	155.22	109.66
6602	111.07	111.08	130.05	111.07	135.08	310.89
6802	114.43	114.54	133.41	114.43	156.2	451.0
7002	115.73	134.26	148.28	115.73	164.45	331.82
7202	140.07	158.59	159.05	140.07	176.02	208.57
7402	142.14	160.75	142.14	142.14	218.6	161.12
7602	145.09	145.09	230.08	145.09	259.89	340.16
7802	147.18	184.23	166.16	147.18	166.16	166.16

**RPHP, 2 pigeons, shuffle, preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
4	5.44	5.44	5.44	5.44	5.44	5.44
152	5.57	5.57	5.57	5.57	5.57	5.57
302	5.7	5.7	5.7	5.7	5.7	5.7
452	5.96	5.96	5.96	5.96	5.96	5.96
602	6.27	6.27	6.27	6.27	6.27	6.27
752	6.84	6.84	6.84	6.84	6.84	6.84
902	7.18	7.18	7.18	7.18	7.18	7.18
1052	7.71	7.71	7.71	7.71	7.71	7.71
1202	8.4	8.4	8.4	8.4	8.4	8.4
1352	8.77	8.77	8.77	8.77	8.77	8.77
1502	10.63	10.63	10.63	10.63	10.63	10.63
1652	11.16	11.16	11.16	11.16	11.16	11.16
1802	11.43	11.43	11.43	11.43	11.43	12.47
1952	12.74	12.74	14.37	12.74	12.74	12.74
2102	15.2	15.2	15.2	15.2	15.24	15.2
2252	15.88	15.88	17.56	15.88	15.92	20.24
2402	18.07	18.07	18.07	18.07	18.07	18.07
2552	18.72	18.83	18.72	18.72	21.44	19.85
2702	19.34	19.41	22.07	19.34	22.07	22.59
2852	19.73	19.79	19.73	19.73	23.9	22.46
3002	20.65	25.96	20.65	20.65	23.38	23.38
3152	31.03	31.03	35.45	31.03	31.03	35.45
3302	31.88	36.29	31.88	31.88	36.3	31.88
3452	32.79	32.79	37.21	32.79	37.21	38.95
3602	33.62	38.02	33.62	33.62	38.04	38.04
3752	34.76	34.76	50.4	34.76	34.76	34.76
3902	44.32	44.32	57.52	44.32	44.32	44.32
4052	44.97	44.97	44.97	44.97	44.97	44.97
4202	45.59	45.7	52.79	45.59	45.59	45.59
4352	46.25	46.37	53.44	46.25	53.44	108.7
4502	47.31	54.4	47.31	47.31	84.24	123.44
4652	48.87	62.89	48.87	48.87	56.06	116.65
4802	59.9	73.92	59.9	59.9	87.4	94.89
4952	75.1	75.16	75.1	75.1	75.1	75.1
5102	75.89	75.96	80.34	75.89	87.58	99.51
5252	77.13	88.6	77.13	77.13	88.82	89.84
5402	78.54	78.63	93.43	78.54	102.93	295.11
5552	80.75	80.75	92.44	80.75	101.48	92.44
5702	81.91	93.37	81.91	81.91	97.57	81.91
5852	82.98	94.45	94.67	82.98	137.62	124.77

**RPHP, 3 pigeons, no shuffle, no preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
6	5.43	5.43	5.43	5.43	5.43	5.43
39	5.43	5.43	5.43	5.43	5.43	5.43
78	5.43	5.43	5.43	5.43	5.43	5.43
114	5.43	5.43	5.43	5.43	5.43	5.43
153	5.43	5.43	5.43	5.43	5.43	5.43
189	5.43	5.43	5.43	11.27	5.43	5.43
228	5.43	5.43	5.43	12.91	5.43	5.43
264	5.45	8.21	5.43	18.34	5.43	5.43
303	5.95	11.96	5.43	22.62	5.66	5.43
339	8.4	18.11	5.43	29.41	9.96	7.25
378	12.86	23.54	5.6	31.39	11.06	6.34
414	12.66	24.39	7.16	47.83	17.31	9.61
453	19.17	35.65	11.24	51.93	20.71	11.94
489	19.27	46.22	13.58	71.62	28.41	15.65
528	30.69	57.52	16.52	102.65	35.55	22.59
564	31.21	61.02	22.21	107.51	43.29	23.87
603	47.05	86.3	26.37	120.67	52.53	33.53
639	38.96	117.09	29.82	197.29	57.93	42.83
678	58.26	133.75	29.93	176.22	69.3	46.95
714	73.08	149.99	38.5	264.74	101.61	55.8
753	80.97	159.76	42.45	191.91	102.08	78.99
789	93.21	228.49	55.59	269.62	119.46	88.17
828	118.66	8000	60.42	8000	138.91	80.16
864	8000	8000	69.22	8000	175.57	126.53
903	8000	8000	72.76	8000	179.67	124.87
939	8000	-	99.48	-	273.48	121.85
978	-	-	99.17	-	262.98	162.32
1014	-	-	126.55	-	264.01	172.54
1053	-	-	133.15	-	321.62	176.61
1089	-	-	154.26	-	333.17	188.86
1128	-	-	158.43	-	417.48	216.28
1164	-	-	187.85	-	8000	268.32
1203	-	-	204.19	-	8000	235.0
1239	-	-	207.74	-	8000	266.33
1278	-	-	242.83	-	8000	317.35
1314	-	-	8000	-	-	412.43
1353	-	-	8000	-	-	8000
1389	-	-	8000	-	-	8000
1428	-	-	-	-	-	8000

RPHP, 3 pigeons, no shuffle, no preprocessing, clause removal  
memory consumption expressed in megabytes

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
6	5.43	5.43	5.43	5.43	5.43	5.43
12	5.43	5.43	5.43	5.43	5.43	5.43
18	5.43	5.43	5.43	5.43	5.43	5.43
24	5.43	5.43	5.43	5.43	5.43	5.43
33	5.43	5.43	5.43	5.43	5.43	5.43
39	5.43	5.43	5.43	5.43	5.43	5.43
48	5.43	5.43	5.43	5.43	5.43	5.43
54	5.43	5.43	5.43	5.43	5.43	5.43
63	5.43	5.43	5.43	5.43	5.43	5.43
69	5.43	5.43	5.43	5.43	5.43	5.43
78	5.43	5.43	5.43	5.43	5.43	5.43
84	5.43	5.43	5.43	5.43	5.43	5.43
93	5.43	5.43	5.43	5.43	5.43	5.43
99	5.43	5.43	5.43	5.43	5.43	5.43
108	5.43	5.43	5.43	5.43	5.43	5.43
114	5.43	5.43	5.43	5.43	5.43	5.43
123	5.43	5.43	5.43	5.43	5.43	5.43
129	5.43	5.43	5.43	5.43	5.43	5.43
138	5.43	5.43	5.43	5.43	5.43	5.43
144	5.43	5.43	5.43	5.43	5.43	5.43
153	5.43	5.43	5.43	5.43	5.43	5.43
159	5.43	5.43	5.43	5.43	5.43	5.43
168	5.43	5.43	5.43	5.43	5.43	5.43
174	5.43	5.43	5.43	5.43	5.43	5.43
183	5.43	5.43	5.43	5.43	5.43	5.43
189	5.43	5.43	5.43	5.43	5.43	5.43
198	5.43	5.43	5.43	5.43	5.43	5.43
204	5.43	5.43	5.43	5.43	5.43	5.43
213	5.43	5.43	5.43	5.43	5.43	5.43
219	5.43	5.43	5.43	5.43	5.43	5.43
228	5.43	5.43	5.43	5.43	5.43	5.43
234	5.43	5.43	5.43	5.43	5.43	5.43
243	8000	5.43	5.43	5.43	5.43	5.43
249	8000	5.43	5.43	5.43	5.43	5.43
258	8000	5.43	5.43	5.43	5.43	5.43
264	8000	5.43	5.43	5.43	5.43	5.43
273	-	5.43	5.43	6.72	5.43	5.43
279	-	5.43	5.43	7.0	5.43	5.43
288	-	5.43	5.43	7.27	5.43	5.43
294	-	5.43	5.43	7.8	5.43	5.43

**RPHP, 3 pigeons, shuffle, no preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
6	5.43	5.43	5.43	5.43	5.43	5.43
39	5.43	5.43	5.43	5.43	5.43	5.43
78	5.43	5.43	5.43	5.43	5.43	5.43
114	5.43	5.43	5.43	5.43	5.43	5.43
153	5.43	5.43	5.43	5.43	5.43	5.43
189	5.43	5.43	5.43	11.04	5.43	5.43
228	5.43	5.43	5.43	13.14	5.43	5.43
264	5.43	7.37	5.43	18.2	5.43	5.43
303	5.77	12.01	5.43	22.72	6.34	5.43
339	8.48	18.19	5.43	29.92	8.72	5.43
378	12.86	23.64	6.16	31.59	13.81	7.62
414	12.68	28.27	6.91	44.58	14.38	8.41
453	19.12	33.91	9.36	50.84	21.29	12.76
489	19.32	45.56	16.18	71.11	25.08	12.33
528	30.69	56.92	19.38	104.47	35.2	20.79
564	31.21	62.8	22.57	106.74	35.94	23.47
603	35.63	87.72	25.44	119.62	52.82	28.17
639	49.92	98.95	29.25	124.59	73.64	44.93
678	51.01	135.49	32.19	171.45	85.61	38.78
714	73.32	146.14	37.17	233.09	101.24	61.08
753	81.07	203.82	48.05	192.55	118.34	58.5
789	92.93	229.805	56.21	8000	113.75	81.44
828	8000	8000	59.52	8000	141.3	97.45
864	8000	8000	74.57	8000	170.02	83.88
903	8000	8000	82.38	8000	182.86	122.95
939	-	-	98.17	-	276.98	152.18
978	-	-	116.61	-	284.56	131.68
1014	-	-	127.41	-	265.56	176.91
1053	-	-	171.41	-	325.15	273.62
1089	-	-	161.07	-	330.85	177.41
1128	-	-	161.79	-	436.57	263.07
1164	-	-	205.91	-	441.655	258.08
1203	-	-	211.18	-	8000	282.41
1239	-	-	221.26	-	8000	275.52
1278	-	-	231.89	-	8000	276.66
1314	-	-	8000	-	-	8000
1353	-	-	8000	-	-	8000
1389	-	-	8000	-	-	8000



**RPHP, 3 pigeons, shuffle, no preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
6	5.43	5.43	5.43	5.43	5.43	5.43
12	5.43	5.43	5.43	5.43	5.43	5.43
18	5.43	5.43	5.43	5.43	5.43	5.43
24	5.43	5.43	5.43	5.43	5.43	5.43
33	5.43	5.43	5.43	5.43	5.43	5.43
39	5.43	5.43	5.43	5.43	5.43	5.43
48	5.43	5.43	5.43	5.43	5.43	5.43
54	5.43	5.43	5.43	5.43	5.43	5.43
63	5.43	5.43	5.43	5.43	5.43	5.43
69	5.43	5.43	5.43	5.43	5.43	5.43
78	5.43	5.43	5.43	5.43	5.43	5.43
84	5.43	5.43	5.43	5.43	5.43	5.43
93	5.43	5.43	5.43	5.43	5.43	5.43
99	5.43	5.43	5.43	5.43	5.43	5.43
108	5.43	5.43	5.43	5.43	5.43	5.43
114	5.43	5.43	5.43	5.43	5.43	5.43
123	5.43	5.43	5.43	5.43	5.43	5.43
129	5.43	5.43	5.43	5.43	5.43	5.43
138	5.43	5.43	5.43	5.43	5.43	5.43
144	5.43	5.43	5.43	5.43	5.43	5.43
153	5.43	5.43	5.43	5.43	5.43	5.43
159	5.43	5.43	5.43	5.43	5.43	5.43
168	5.43	5.43	5.43	5.43	5.43	5.43
174	5.43	5.43	5.43	5.43	5.43	5.43
183	5.43	5.43	5.43	5.43	5.43	5.43
189	5.43	5.43	5.43	5.43	5.43	5.43
198	5.43	5.43	5.43	5.43	5.43	5.43
204	5.43	5.43	5.43	5.43	5.43	5.43
213	5.43	5.43	5.43	5.43	5.43	5.43
219	5.43	5.43	5.43	5.43	5.43	5.43
228	5.43	5.43	5.43	5.43	5.43	5.43
234	5.43	5.43	5.43	5.43	5.43	5.43
243	8000	5.43	5.43	5.43	5.43	5.43
249	8000	5.43	5.43	5.43	5.43	5.43
258	8000	5.43	5.43	5.43	5.43	5.43
264	-	5.43	5.43	6.1	5.43	5.43
273	-	5.43	5.43	6.62	5.43	5.43
279	-	5.43	5.43	6.9	5.43	5.43
288	-	5.43	5.43	7.03	5.43	5.43
294	-	5.43	5.43	8.06	5.43	5.43

**RPHP, 3 pigeons, no shuffle, preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
6	5.44	5.44	5.44	5.44	5.44	5.44
39	5.44	5.44	5.44	5.44	5.44	5.44
78	5.44	5.44	5.44	5.44	5.44	5.44
114	5.44	5.44	5.44	5.44	5.44	5.44
153	5.57	5.57	5.57	5.57	5.57	5.57
189	5.57	5.57	5.57	5.57	5.57	5.57
228	5.57	5.57	5.57	6.64	5.57	5.57
264	5.7	7.8	5.7	10.93	5.7	5.7
303	5.74	12.05	5.74	12.27	6.91	5.74
339	5.78	22.21	5.7	23.12	8.53	6.6
378	8.6	23.59	6.07	22.79	10.42	7.59
414	11.78	30.55	7.05	22.62	13.79	11.25
453	13.0	33.29	10.1	29.57	21.06	13.04
489	19.5	45.86	13.01	40.84	24.09	21.2
528	19.36	69.32	21.39	48.48	27.73	15.5
564	23.74	71.83	19.96	41.74	42.26	27.34
603	24.39	110.07	25.21	50.41	49.88	34.11
639	32.09	113.64	29.55	67.29	57.29	46.2
678	35.51	120.75	36.54	70.84	66.23	51.91
714	38.96	135.1	45.55	82.52	85.93	48.82
753	50.19	183.68	40.18	76.74	95.0	52.82
789	54.5	150.58	56.25	88.43	106.68	69.72
828	64.88	213.64	64.87	109.53	113.88	80.5
864	83.68	8000	80.27	165.66	126.45	124.24
903	89.08	8000	92.14	170.98	173.53	124.38
939	90.41	8000	100.38	174.91	178.02	125.31
978	8000	-	100.25	177.83	178.76	143.12
1014	8000	-	106.89	185.83	213.3	133.84
1053	8000	-	130.54	216.57	278.77	181.25
1089	-	-	145.44	229.92	278.41	204.44
1128	-	-	176.96	284.14	294.24	199.03
1164	-	-	170.23	294.68	341.3	256.16
1203	-	-	201.44	313.3	429.43	252.12
1239	-	-	220.35	441.14	440.02	292.33
1278	-	-	247.91	366.88	8000	328.63
1314	-	-	257.3	451.67	8000	408.27
1353	-	-	8000	461.24	8000	369.12
1389	-	-	8000	467.73	-	8000
1428	-	-	8000	8000	-	8000
1464	-	-	-	8000	-	8000

**RPHP, 3 pigeons, no shuffle, preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
6	5.44	5.44	5.44	5.44	5.44	5.44
12	5.44	5.44	5.44	5.44	5.44	5.44
18	5.44	5.44	5.44	5.44	5.44	5.44
24	5.44	5.44	5.44	5.44	5.44	5.44
33	5.44	5.44	5.44	5.44	5.44	5.44
39	5.44	5.44	5.44	5.44	5.44	5.44
48	5.44	5.44	5.44	5.44	5.44	5.44
54	5.44	5.44	5.44	5.44	5.44	5.44
63	5.44	5.44	5.44	5.44	5.44	5.44
69	5.44	5.44	5.44	5.44	5.44	5.44
78	5.44	5.44	5.44	5.44	5.44	5.44
84	5.44	5.44	5.44	5.44	5.44	5.44
93	5.44	5.44	5.44	5.44	5.44	5.44
99	5.44	5.44	5.44	5.44	5.44	5.44
108	5.44	5.44	5.44	5.44	5.44	5.44
114	5.44	5.44	5.44	5.44	5.44	5.44
123	5.57	5.57	5.57	5.57	5.57	5.57
129	5.57	5.57	5.57	5.57	5.57	5.57
138	5.57	5.57	5.57	5.57	5.57	5.57
144	5.57	5.57	5.57	5.57	5.57	5.57
153	5.57	5.57	5.57	5.57	5.57	5.57
159	5.57	5.57	5.57	5.57	5.57	5.57
168	5.57	5.57	5.57	5.57	5.57	5.57
174	5.57	5.57	5.57	5.57	5.57	5.57
183	5.57	5.57	5.57	5.57	5.57	5.57
189	5.57	5.57	5.57	5.57	5.57	5.57
198	5.57	5.57	5.57	5.57	5.57	5.57
204	5.57	5.57	5.57	5.57	5.57	5.57
213	5.57	5.57	5.57	5.57	5.57	5.57
219	5.57	5.57	5.57	5.57	5.57	5.57
228	5.57	5.57	5.57	5.57	5.57	5.57
234	5.57	5.57	5.57	5.57	5.57	5.57
243	5.57	5.57	5.57	5.57	5.57	5.57
249	5.57	5.57	5.57	5.57	5.57	5.57
258	5.57	5.57	5.57	5.57	5.57	5.57
264	8000	5.7	5.7	5.7	5.7	5.7
273	8000	5.71	5.71	5.71	5.71	5.71
279	8000	5.73	5.73	5.73	5.73	5.73
288	8000	5.73	5.73	5.73	5.73	5.73
294	-	5.72	5.72	5.77	5.72	5.72

**RPHP, 3 pigeons, shuffle, preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
6	5.44	5.44	5.44	5.44	5.44	5.44
39	5.44	5.44	5.44	5.44	5.44	5.44
78	5.44	5.44	5.44	5.44	5.44	5.44
114	5.44	5.44	5.44	5.44	5.44	5.44
153	5.57	5.57	5.57	5.57	5.57	5.57
189	5.57	5.57	5.57	5.57	5.57	5.57
228	5.57	5.57	5.57	7.32	5.57	5.57
264	5.7	7.85	5.7	10.96	5.7	5.7
303	5.74	17.7	5.74	11.37	5.74	5.74
339	5.82	18.18	5.7	23.13	9.95	5.7
378	8.29	23.45	5.88	21.97	10.05	7.36
414	12.87	30.84	8.13	22.74	15.52	11.5
453	13.02	33.28	9.95	27.41	18.23	13.77
489	14.25	46.75	11.33	40.08	25.35	14.96
528	15.58	52.54	19.5	39.93	29.02	21.72
564	21.8	72.86	23.32	41.82	34.06	31.23
603	24.37	108.76	24.27	50.97	42.24	29.59
639	31.75	113.6	27.93	67.32	45.7	30.42
678	35.35	93.29	34.25	70.41	68.8	42.93
714	38.89	174.28	40.82	100.68	71.77	52.93
753	50.0	183.36	47.33	101.86	84.52	78.04
789	54.25	192.48	55.61	106.85	105.77	75.81
828	63.32	8000	63.35	112.79	115.27	85.6
864	82.9	8000	78.64	170.9	149.54	110.31
903	89.04	8000	81.81	171.4	161.82	118.98
939	90.87	8000	98.38	172.65	178.29	159.83
978	8000	-	104.36	135.81	215.14	178.46
1014	8000	-	110.3	211.48	271.59	149.8
1053	8000	-	132.75	224.54	301.09	174.59
1089	-	-	153.19	227.94	286.18	177.48
1128	-	-	166.45	287.7	280.51	225.17
1164	-	-	177.54	295.11	343.79	201.03
1203	-	-	184.52	319.22	347.14	279.87
1239	-	-	228.42	367.27	434.66	317.48
1278	-	-	237.31	360.85	8000	294.92
1314	-	-	241.28	452.81	8000	390.71
1353	-	-	8000	457.54	8000	345.98
1389	-	-	8000	465.26	-	8000
1428	-	-	8000	8000	-	8000
1464	-	-	-	8000	-	8000

**RPHP, 3 pigeons, shuffle, preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
6	5.44	5.44	5.44	5.44	5.44	5.44
12	5.44	5.44	5.44	5.44	5.44	5.44
18	5.44	5.44	5.44	5.44	5.44	5.44
24	5.44	5.44	5.44	5.44	5.44	5.44
33	5.44	5.44	5.44	5.44	5.44	5.44
39	5.44	5.44	5.44	5.44	5.44	5.44
48	5.44	5.44	5.44	5.44	5.44	5.44
54	5.44	5.44	5.44	5.44	5.44	5.44
63	5.44	5.44	5.44	5.44	5.44	5.44
69	5.44	5.44	5.44	5.44	5.44	5.44
78	5.44	5.44	5.44	5.44	5.44	5.44
84	5.44	5.44	5.44	5.44	5.44	5.44
93	5.44	5.44	5.44	5.44	5.44	5.44
99	5.44	5.44	5.44	5.44	5.44	5.44
108	5.44	5.44	5.44	5.44	5.44	5.44
114	5.44	5.44	5.44	5.44	5.44	5.44
123	5.57	5.57	5.57	5.57	5.57	5.57
129	5.57	5.57	5.57	5.57	5.57	5.57
138	5.57	5.57	5.57	5.57	5.57	5.57
144	5.57	5.57	5.57	5.57	5.57	5.57
153	5.57	5.57	5.57	5.57	5.57	5.57
159	5.57	5.57	5.57	5.57	5.57	5.57
168	5.57	5.57	5.57	5.57	5.57	5.57
174	5.57	5.57	5.57	5.57	5.57	5.57
183	5.57	5.57	5.57	5.57	5.57	5.57
189	5.57	5.57	5.57	5.57	5.57	5.57
198	5.57	5.57	5.57	5.57	5.57	5.57
204	5.57	5.57	5.57	5.57	5.57	5.57
213	5.57	5.57	5.57	5.57	5.57	5.57
219	5.57	5.57	5.57	5.57	5.57	5.57
228	5.57	5.57	5.57	5.57	5.57	5.57
234	5.57	5.57	5.57	5.57	5.57	5.57
243	5.57	5.57	5.57	5.57	5.57	5.57
249	5.57	5.57	5.57	5.57	5.57	5.57
258	5.57	5.57	5.57	5.57	5.57	5.57
264	8000	5.7	5.7	5.7	5.7	5.7
273	8000	5.7	5.7	5.7	5.7	5.7
279	8000	5.74	5.74	5.74	5.74	5.74
288	-	5.72	5.72	5.72	5.72	5.72
294	-	5.73	5.73	5.73	5.73	5.73

**RPHP, 4 pigeons, no shuffle, no preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
8	5.43	5.43	5.43	5.43	5.43	5.43
16	5.43	5.43	5.43	5.43	5.43	5.43
24	5.43	5.43	5.43	5.43	5.43	5.43
32	5.43	5.43	5.43	5.43	5.43	5.43
44	5.43	5.43	5.43	5.43	5.43	5.43
52	5.43	5.43	5.43	5.43	5.43	5.43
64	5.43	5.43	5.43	5.43	5.43	5.43
72	5.43	5.43	5.43	5.43	5.43	5.43
84	5.43	5.43	5.43	7.12	5.43	5.43
92	5.43	5.43	5.43	11.27	5.43	5.43
104	5.43	5.43	5.43	17.54	5.43	5.43
112	5.43	5.43	5.43	22.46	5.43	5.43
124	7.61	5.43	5.43	32.88	5.43	5.43
132	7.41	5.43	5.43	50.94	5.43	5.43
144	11.14	5.43	5.43	79.27	5.43	5.43
152	11.24	5.43	5.43	85.72	5.43	5.43
164	19.18	6.22	5.43	8000	5.72	5.76
172	19.29	7.96	7.51	8000	7.36	6.31
184	19.08	10.04	7.12	8000	7.42	7.34
192	23.9	14.24	10.75	8000	10.62	10.46
204	26.73	14.41	10.86	-	13.12	13.02
212	33.1	21.93	17.79	-	17.33	13.2
224	34.63	21.86	17.69	-	17.31	17.2
232	42.51	25.92	17.77	-	15.44	22.32
244	8000	30.22	22.11	-	21.64	22.27
252	8000	36.27	24.15	-	28.56	33.38
264	8000	44.52	24.96	-	31.07	25.69
272	-	47.3	35.88	-	33.21	33.54
284	-	57.68	36.75	-	35.88	37.38
292	-	71.66	39.47	-	49.06	38.17
304	-	74.4	56.1	-	67.38	51.09
312	-	91.63	58.34	-	56.4	56.75
324	-	95.63	60.14	-	74.75	78.09
332	-	117.66	65.07	-	81.64	84.25
344	-	8000	94.17	-	86.6	87.46
352	-	8000	95.03	-	92.25	88.55
364	-	8000	100.69	-	121.93	131.35
372	-	-	106.79	-	139.29	133.86
384	-	-	138.85	-	141.07	142.51
392	-	-	152.8	-	187.96	153.92

**RPHP, 4 pigeons, no shuffle, no preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
8	5.43	5.43	5.43	5.43	5.43	5.43
16	5.43	5.43	5.43	5.43	5.43	5.43
24	5.43	5.43	5.43	5.43	5.43	5.43
32	5.43	5.43	5.43	5.43	5.43	5.43
44	5.43	5.43	5.43	5.43	5.43	5.43
52	5.43	5.43	5.43	5.43	5.43	5.43
64	5.43	5.43	5.43	5.43	5.43	5.43
72	5.43	5.43	5.43	5.43	5.43	5.43
84	5.43	5.43	5.43	5.43	5.43	5.43
92	5.43	5.43	5.43	5.43	5.43	5.43
104	5.43	5.43	5.43	5.43	5.43	5.43
112	8000	5.43	5.43	5.43	5.43	5.43
124	8000	5.43	5.43	5.43	5.43	5.43
132	8000	5.43	5.43	5.43	5.43	5.43
144	8000	5.43	5.43	5.69	5.43	5.43
152	-	8000	5.43	7.47	5.43	5.43
164	-	8000	5.43	8000	5.43	5.43
172	-	8000	5.43	8000	5.43	5.43
184	-	-	5.43	8000	5.43	5.43
192	-	-	5.43	8000	5.43	5.43
204	-	-	5.43	-	5.43	5.43
212	-	-	5.43	-	5.43	5.43
224	-	-	5.43	-	5.43	5.43
232	-	-	5.43	-	5.43	5.43
244	-	-	5.43	-	5.43	5.43
252	-	-	5.43	-	5.43	5.43
264	-	-	5.43	-	5.43	5.43
272	-	-	5.43	-	5.43	5.43
284	-	-	5.43	-	5.43	5.43
292	-	-	6.32	-	5.43	5.43
304	-	-	6.7	-	5.85	5.43
312	-	-	6.7	-	5.99	5.43
324	-	-	7.79	-	6.66	5.83
332	-	-	8.29	-	7.01	8.0
344	-	-	10.03	-	7.56	6.89
352	-	-	9.76	-	8.34	8.24
364	-	-	12.04	-	9.37	9.08
372	-	-	8000	-	10.65	9.06
384	-	-	8000	-	11.24	11.28
392	-	-	8000	-	11.77	11.11

**RPHP, 4 pigeons, shuffle, no preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
8	5.43	5.43	5.43	5.43	5.43	5.43
16	5.43	5.43	5.43	5.43	5.43	5.43
24	5.43	5.43	5.43	5.43	5.43	5.43
32	5.43	5.43	5.43	5.43	5.43	5.43
44	5.43	5.43	5.43	5.43	5.43	5.43
52	5.43	5.43	5.43	5.43	5.43	5.43
64	5.43	5.43	5.43	5.43	5.43	5.43
72	5.43	5.43	5.43	5.43	5.43	5.43
84	5.43	5.43	5.43	7.09	5.43	5.43
92	5.43	5.43	5.43	11.34	5.43	5.43
104	5.43	5.43	5.43	22.48	5.43	5.43
112	5.43	5.43	5.43	31.37	5.43	5.43
124	7.65	5.43	5.43	35.81	5.43	5.43
132	7.79	5.43	5.43	51.17	5.43	5.43
144	11.7	5.43	5.43	79.07	5.43	5.43
152	11.18	5.43	5.43	118.28	5.43	5.43
164	18.98	6.22	5.43	123.955	5.71	5.43
172	18.97	7.66	7.41	8000	7.1	7.38
184	23.69	9.03	7.52	8000	7.87	7.48
192	24.01	12.08	10.91	8000	10.52	10.36
204	26.69	14.36	11.5	-	12.98	17.48
212	33.43	21.98	17.79	-	14.58	14.64
224	34.77	21.84	17.79	-	17.35	21.64
232	42.09	25.62	17.61	-	21.46	19.99
244	8000	30.18	21.84	-	24.75	21.96
252	8000	36.21	24.32	-	22.64	22.1
264	8000	44.66	33.05	-	31.7	32.07
272	-	46.78	35.4	-	33.23	33.59
284	-	58.11	38.18	-	35.77	35.27
292	-	71.91	40.69	-	49.82	47.5
304	-	62.76	56.42	-	68.33	64.53
312	-	72.2	56.35	-	56.71	58.06
324	-	96.12	63.3	-	76.54	84.47
332	-	118.11	88.37	-	80.99	85.04
344	-	8000	90.17	-	86.39	86.95
352	-	8000	93.93	-	91.39	93.53
364	-	8000	100.25	-	140.23	130.08
372	-	-	104.91	-	171.79	138.43
384	-	-	142.14	-	139.41	141.83
392	-	-	153.24	-	191.36	216.69



**RPHP, 4 pigeons, shuffle, no preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
8	5.43	5.43	5.43	5.43	5.43	5.43
16	5.43	5.43	5.43	5.43	5.43	5.43
24	5.43	5.43	5.43	5.43	5.43	5.43
32	5.43	5.43	5.43	5.43	5.43	5.43
44	5.43	5.43	5.43	5.43	5.43	5.43
52	5.43	5.43	5.43	5.43	5.43	5.43
64	5.43	5.43	5.43	5.43	5.43	5.43
72	5.43	5.43	5.43	5.43	5.43	5.43
84	5.43	5.43	5.43	5.43	5.43	5.43
92	5.43	5.43	5.43	5.43	5.43	5.43
104	5.43	5.43	5.43	5.43	5.43	5.43
112	5.43	5.43	5.43	5.43	5.43	5.43
124	8000	5.43	5.43	5.43	5.43	5.43
132	8000	5.43	5.43	5.43	5.43	5.43
144	8000	5.43	5.43	5.82	5.43	5.43
152	-	8000	5.43	7.37	5.43	5.43
164	-	8000	5.43	8000	5.43	5.43
172	-	8000	5.43	8000	5.43	5.43
184	-	-	5.43	8000	5.43	5.43
192	-	-	5.43	8000	5.43	5.43
204	-	-	5.43	-	5.43	5.43
212	-	-	5.43	-	5.43	5.43
224	-	-	5.43	-	5.43	5.43
232	-	-	5.43	-	5.43	5.43
244	-	-	5.43	-	5.43	5.43
252	-	-	5.43	-	5.43	5.43
264	-	-	5.43	-	5.43	5.43
272	-	-	5.43	-	5.43	5.43
284	-	-	5.43	-	5.43	5.43
292	-	-	6.58	-	5.43	5.43
304	-	-	6.51	-	5.43	5.43
312	-	-	6.64	-	6.08	5.59
324	-	-	7.56	-	6.3	7.12
332	-	-	7.78	-	7.16	7.48
344	-	-	10.09	-	8.23	7.88
352	-	-	8000	-	8.89	8.59
364	-	-	9.92	-	9.39	8.6
372	-	-	8000	-	9.99	9.3
384	-	-	8000	-	11.1	10.97
392	-	-	8000	-	11.62	12.77

**RPHP, 4 pigeons, no shuffle, preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
8	5.44	5.44	5.44	5.44	5.44	5.44
16	5.44	5.44	5.44	5.44	5.44	5.44
24	5.44	5.44	5.44	5.44	5.44	5.44
32	5.44	5.44	5.44	5.44	5.44	5.44
44	5.44	5.44	5.44	5.44	5.44	5.44
52	5.44	5.44	5.44	5.44	5.44	5.44
64	5.44	5.44	5.44	5.44	5.44	5.44
72	5.44	5.44	5.44	5.44	5.44	5.44
84	5.44	5.44	5.44	5.44	5.44	5.44
92	5.44	5.44	5.44	10.47	5.44	5.44
104	5.44	5.44	5.44	10.53	5.44	5.44
112	5.44	5.44	5.44	17.35	5.44	5.44
124	5.57	5.57	5.57	21.39	5.57	5.57
132	5.57	5.57	5.57	28.79	5.57	5.57
144	5.57	5.57	5.57	29.51	5.57	5.57
152	7.92	5.76	5.57	46.45	5.57	5.57
164	8.02	7.77	7.52	67.68	7.4	6.18
172	12.08	7.75	7.5	72.49	6.56	7.56
184	12.31	12.38	10.85	109.89	10.7	8.96
192	19.18	18.39	10.98	113.95	17.5	11.05
204	19.33	18.34	17.73	174.19	17.46	13.79
212	19.14	20.35	17.88	187.69	18.02	21.0
224	23.61	25.22	17.83	273.86	21.74	16.11
232	24.5	30.61	22.18	8000	21.85	26.48
244	25.21	32.23	22.61	8000	23.17	21.82
252	33.09	40.77	25.1	8000	33.89	23.32
264	34.11	47.71	33.75	-	33.81	32.89
272	42.89	50.59	35.84	-	35.36	34.95
284	8000	52.86	37.86	-	37.07	35.52
292	8000	77.14	54.8	-	54.7	53.31
304	8000	80.06	55.29	-	54.2	39.62
312	-	84.18	59.33	-	78.2	57.64
324	-	116.43	65.89	-	81.69	63.7
332	-	8000	88.77	-	85.22	85.89
344	-	8000	93.36	-	91.43	89.62
352	-	8000	98.7	-	96.23	90.71
364	-	-	99.42	-	133.85	133.32
372	-	-	108.98	-	140.12	99.62
384	-	-	144.92	-	146.61	141.74
392	-	-	154.87	-	182.11	146.44

**RPHP, 4 pigeons, no shuffle, preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
8	5.44	5.44	5.44	5.44	5.44	5.44
16	5.44	5.44	5.44	5.44	5.44	5.44
24	5.44	5.44	5.44	5.44	5.44	5.44
32	5.44	5.44	5.44	5.44	5.44	5.44
44	5.44	5.44	5.44	5.44	5.44	5.44
52	5.44	5.44	5.44	5.44	5.44	5.44
64	5.44	5.44	5.44	5.44	5.44	5.44
72	5.44	5.44	5.44	5.44	5.44	5.44
84	5.44	5.44	5.44	5.44	5.44	5.44
92	5.44	5.44	5.44	5.44	5.44	5.44
104	5.44	5.44	5.44	5.44	5.44	5.44
112	5.44	5.44	5.44	5.44	5.44	5.44
124	5.57	5.57	5.57	5.57	5.57	5.57
132	8000	5.57	5.57	5.57	5.57	5.57
144	8000	8000	5.57	5.57	5.57	5.57
152	8000	8000	5.57	5.57	5.57	5.57
164	-	8000	5.57	5.98	5.57	5.57
172	-	-	5.57	6.7	5.57	5.57
184	-	-	5.57	8.83	5.57	5.57
192	-	-	5.57	10.34	5.57	5.57
204	-	-	5.57	8000	5.57	5.57
212	-	-	5.57	8000	5.57	5.57
224	-	-	5.57	8000	5.57	5.57
232	-	-	5.57	-	5.57	5.57
244	-	-	5.57	-	5.57	5.57
252	-	-	5.57	-	5.57	5.57
264	-	-	5.57	-	5.57	5.57
272	-	-	5.7	-	5.7	5.7
284	-	-	5.97	-	5.71	5.71
292	-	-	5.72	-	5.72	5.72
304	-	-	6.86	-	5.72	5.72
312	-	-	8.09	-	6.0	5.8
324	-	-	7.25	-	6.91	6.23
332	-	-	8.54	-	6.98	8.16
344	-	-	11.73	-	7.84	7.29
352	-	-	9.72	-	9.14	8.87
364	-	-	12.89	-	8.88	8.82
372	-	-	8000	-	9.96	10.34
384	-	-	13.28	-	11.12	10.88
392	-	-	8000	-	12.1	12.87

**RPHP, 4 pigeons, shuffle, preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
8	5.44	5.44	5.44	5.44	5.44	5.44
16	5.44	5.44	5.44	5.44	5.44	5.44
24	5.44	5.44	5.44	5.44	5.44	5.44
32	5.44	5.44	5.44	5.44	5.44	5.44
44	5.44	5.44	5.44	5.44	5.44	5.44
52	5.44	5.44	5.44	5.44	5.44	5.44
64	5.44	5.44	5.44	5.44	5.44	5.44
72	5.44	5.44	5.44	5.44	5.44	5.44
84	5.44	5.44	5.44	5.44	5.44	5.44
92	5.44	5.44	5.44	7.32	5.44	5.44
104	5.44	5.44	5.44	17.39	5.44	5.44
112	5.44	5.44	5.44	17.32	5.44	5.44
124	5.57	5.57	5.57	21.61	5.57	5.57
132	5.57	5.57	5.57	28.59	5.57	5.57
144	5.57	5.57	5.57	31.35	5.57	5.57
152	7.97	5.73	5.57	46.29	5.57	5.57
164	8.04	8.98	7.43	68.47	7.35	7.35
172	11.15	11.75	7.43	72.03	6.45	8.82
184	11.28	12.36	10.94	111.94	10.58	10.22
192	19.21	18.31	10.98	112.86	17.45	9.25
204	19.27	14.04	17.71	173.41	17.54	10.66
212	19.3	20.0	17.87	189.22	17.46	17.36
224	23.61	29.93	17.83	276.35	21.67	20.27
232	24.43	20.93	22.0	8000	21.68	21.7
244	24.76	32.16	22.19	8000	22.77	27.46
252	33.04	32.95	25.3	8000	29.92	22.98
264	33.96	47.58	33.36	8000	34.01	43.36
272	41.32	51.94	36.36	-	36.56	34.92
284	8000	64.91	40.57	-	37.62	51.33
292	8000	74.43	42.9	-	52.7	52.94
304	8000	83.76	56.64	-	57.32	56.14
312	-	103.82	61.69	-	84.48	60.0
324	-	119.25	67.55	-	83.39	63.74
332	-	8000	68.02	-	82.31	61.21
344	-	8000	93.53	-	92.06	86.8
352	-	8000	96.05	-	94.33	91.86
364	-	-	104.61	-	133.33	132.51
372	-	-	107.37	-	145.85	134.31
384	-	-	146.13	-	147.68	173.72
392	-	-	153.85	-	150.24	139.13

**RPHP, 4 pigeons, shuffle, preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
8	5.44	5.44	5.44	5.44	5.44	5.44
16	5.44	5.44	5.44	5.44	5.44	5.44
24	5.44	5.44	5.44	5.44	5.44	5.44
32	5.44	5.44	5.44	5.44	5.44	5.44
44	5.44	5.44	5.44	5.44	5.44	5.44
52	5.44	5.44	5.44	5.44	5.44	5.44
64	5.44	5.44	5.44	5.44	5.44	5.44
72	5.44	5.44	5.44	5.44	5.44	5.44
84	5.44	5.44	5.44	5.44	5.44	5.44
92	5.44	5.44	5.44	5.44	5.44	5.44
104	5.44	5.44	5.44	5.44	5.44	5.44
112	5.44	5.44	5.44	5.44	5.44	5.44
124	5.57	5.57	5.57	5.57	5.57	5.57
132	8000	5.57	5.57	5.57	5.57	5.57
144	8000	8000	5.57	5.57	5.57	5.57
152	8000	8000	5.57	5.57	5.57	5.57
164	-	8000	5.57	5.8	5.57	5.57
172	-	-	5.57	6.92	5.57	5.57
184	-	-	5.57	9.59	5.57	5.57
192	-	-	5.57	9.785	5.57	5.57
204	-	-	5.57	8000	5.57	5.57
212	-	-	5.57	8000	5.57	5.57
224	-	-	5.57	8000	5.57	5.57
232	-	-	5.57	-	5.57	5.57
244	-	-	5.57	-	5.57	5.57
252	-	-	5.57	-	5.57	5.57
264	-	-	5.57	-	5.57	5.57
272	-	-	5.7	-	5.7	5.7
284	-	-	5.71	-	5.71	5.71
292	-	-	5.93	-	5.71	5.71
304	-	-	5.71	-	5.71	5.71
312	-	-	7.8	-	5.76	5.71
324	-	-	8.07	-	7.12	6.06
332	-	-	8000	-	7.67	6.98
344	-	-	9.76	-	7.68	7.67
352	-	-	10.9	-	9.05	9.04
364	-	-	10.32	-	9.18	8.91
372	-	-	12.1	-	10.69	9.61
384	-	-	8000	-	10.93	10.09
392	-	-	14.69	-	12.03	13.38

**RPHP, 5 pigeons, no shuffle, no preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
11	5.43	5.43	5.43	5.43	5.43	5.43
22	5.43	5.43	5.43	5.43	5.43	5.43
33	5.43	5.43	5.43	5.43	5.43	5.43
44	5.43	5.43	5.43	5.43	5.43	5.43
60	5.43	5.43	5.43	5.43	5.43	5.43
71	5.43	5.43	5.43	5.43	5.43	5.43
87	7.13	5.43	5.43	10.71	5.43	5.43
98	11.35	5.43	5.43	50.75	5.43	5.43
114	22.6	5.43	5.43	125.965	5.43	5.43
125	31.75	5.43	5.43	8000	5.43	5.43
141	8000	5.43	5.43	8000	5.43	5.43
152	8000	5.43	5.43	8000	6.45	7.42
168	8000	8.94	7.57	-	7.61	7.72
179	-	10.1	12.01	-	13.32	17.21
195	-	15.64	18.16	-	17.5	15.33
206	-	18.65	23.34	-	21.64	28.59
222	-	23.39	23.37	-	23.44	30.49
233	-	24.61	34.93	-	35.14	42.91
249	-	46.5	55.06	-	42.29	42.5
260	-	57.67	77.57	-	54.82	55.75
276	-	76.92	63.98	-	78.36	89.31
287	-	93.82	148.6	-	87.58	131.87
303	-	8000	191.0	-	128.11	138.33
314	-	8000	158.12	-	137.14	148.33
330	-	8000	157.77	-	148.71	229.62
341	-	-	8000	-	210.3	236.69
357	-	-	8000	-	8000	8000
368	-	-	8000	-	8000	8000
384	-	-	-	-	8000	8000
395	-	-	-	-	8000	-

**RPHP, 5 pigeons, no shuffle, no preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
11	5.43	5.43	5.43	5.43	5.43	5.43
22	5.43	5.43	5.43	5.43	5.43	5.43
33	5.43	5.43	5.43	5.43	5.43	5.43
44	5.43	5.43	5.43	5.43	5.43	5.43
60	5.43	5.43	5.43	5.43	5.43	5.43
71	5.43	5.43	5.43	5.43	5.43	5.43
87	5.43	5.43	5.43	5.43	5.43	5.43
98	5.43	5.43	5.43	5.43	5.43	5.43
114	8000	5.43	5.43	5.43	5.43	5.43
125	8000	5.43	5.43	8000	5.43	5.43
141	8000	5.43	5.43	8000	5.43	5.43
152	-	8000	8000	8000	5.43	5.43
168	-	8000	8000	-	5.43	5.43
179	-	8000	8000	-	5.43	5.43
195	-	-	-	-	5.43	5.43
206	-	-	-	-	5.43	5.43
222	-	-	-	-	5.43	5.43
233	-	-	-	-	5.43	5.43
249	-	-	-	-	5.45	5.43
260	-	-	-	-	6.59	5.95
276	-	-	-	-	7.39	6.96
287	-	-	-	-	8.84	7.36
303	-	-	-	-	10.57	9.72
314	-	-	-	-	12.5	10.25
330	-	-	-	-	14.48	12.86
341	-	-	-	-	16.69	15.18
357	-	-	-	-	20.24	18.77
368	-	-	-	-	22.23	19.31
384	-	-	-	-	27.86	8000
395	-	-	-	-	33.27	8000
411	-	-	-	-	35.67	8000
422	-	-	-	-	8000	-
438	-	-	-	-	8000	-
449	-	-	-	-	8000	-

**RPHP, 5 pigeons, shuffle, no preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
11	5.43	5.43	5.43	5.43	5.43	5.43
22	5.43	5.43	5.43	5.43	5.43	5.43
33	5.43	5.43	5.43	5.43	5.43	5.43
44	5.43	5.43	5.43	5.43	5.43	5.43
60	5.43	5.43	5.43	5.43	5.43	5.43
71	5.43	5.43	5.43	5.43	5.43	5.43
87	7.12	5.43	5.43	17.47	5.43	5.43
98	11.32	5.43	5.43	51.36	5.43	5.43
114	22.63	5.43	5.43	94.91	5.43	5.43
125	32.0	5.43	5.43	8000	5.43	5.43
141	8000	5.43	5.43	8000	5.43	5.43
152	8000	5.44	5.43	8000	7.42	7.37
168	8000	9.03	7.89	-	8.47	7.56
179	-	11.72	13.79	-	14.87	13.44
195	-	14.15	18.19	-	20.68	17.53
206	-	18.57	21.7	-	21.96	22.59
222	-	23.11	24.45	-	28.86	23.99
233	-	33.9	36.1	-	34.75	41.42
249	-	46.14	51.88	-	42.3	41.39
260	-	58.25	59.76	-	53.41	56.48
276	-	75.3	104.46	-	78.79	79.45
287	-	91.23	90.68	-	85.47	94.09
303	-	8000	145.41	-	127.53	130.34
314	-	8000	152.52	-	137.87	144.1
330	-	8000	8000	-	145.85	215.93
341	-	-	8000	-	214.99	283.53
357	-	-	8000	-	8000	242.77
368	-	-	-	-	8000	8000
384	-	-	-	-	8000	8000
395	-	-	-	-	8000	8000



**RPHP, 5 pigeons, shuffle, no preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
11	5.43	5.43	5.43	5.43	5.43	5.43
22	5.43	5.43	5.43	5.43	5.43	5.43
33	5.43	5.43	5.43	5.43	5.43	5.43
44	5.43	5.43	5.43	5.43	5.43	5.43
60	5.43	5.43	5.43	5.43	5.43	5.43
71	5.43	5.43	5.43	5.43	5.43	5.43
87	5.43	5.43	5.43	5.43	5.43	5.43
98	5.43	5.43	5.43	5.43	5.43	5.43
114	8000	5.43	5.43	5.43	5.43	5.43
125	8000	5.43	5.43	8000	5.43	5.43
141	8000	5.43	5.43	8000	5.43	5.43
152	-	8000	8000	8000	5.43	5.43
168	-	8000	8000	-	5.43	5.43
179	-	8000	8000	-	5.43	5.43
195	-	-	-	-	5.43	5.43
206	-	-	-	-	5.43	5.43
222	-	-	-	-	5.43	5.43
233	-	-	-	-	5.43	5.43
249	-	-	-	-	5.58	5.43
260	-	-	-	-	6.08	5.58
276	-	-	-	-	7.39	6.76
287	-	-	-	-	8.98	8.7
303	-	-	-	-	11.14	9.86
314	-	-	-	-	12.18	10.29
330	-	-	-	-	14.71	12.47
341	-	-	-	-	17.98	15.04
357	-	-	-	-	20.03	17.46
368	-	-	-	-	24.37	19.79
384	-	-	-	-	26.02	23.73
395	-	-	-	-	32.625	24.16
411	-	-	-	-	34.71	8000
422	-	-	-	-	8000	8000
438	-	-	-	-	8000	8000
449	-	-	-	-	8000	-

**RPHP, 5 pigeons, no shuffle, preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
11	5.44	5.44	5.44	5.44	5.44	5.44
22	5.44	5.44	5.44	5.44	5.44	5.44
33	5.44	5.44	5.44	5.44	5.44	5.44
44	5.44	5.44	5.44	5.44	5.44	5.44
60	5.44	5.44	5.44	5.44	5.44	5.44
71	5.44	5.44	5.44	5.44	5.44	5.44
87	5.44	5.44	5.44	5.44	5.44	5.44
98	7.12	5.44	5.44	21.99	5.44	5.44
114	11.28	5.44	5.44	56.82	5.44	5.44
125	18.25	5.57	5.57	126.64	5.57	5.57
141	22.92	7.94	5.83	8000	7.35	6.41
152	30.69	11.66	8.54	8000	8.75	7.31
168	34.39	18.05	11.34	8000	14.8	10.82
179	8000	18.16	18.06	-	24.89	19.06
195	8000	23.55	23.79	-	29.59	24.68
206	8000	35.73	43.86	-	43.72	33.84
222	-	51.44	70.12	-	50.59	49.56
233	-	58.74	59.88	-	76.02	55.22
249	-	8000	117.7	-	83.58	85.41
260	-	8000	100.55	-	123.53	91.65
276	-	8000	143.18	-	138.3	136.46
287	-	8000	157.45	-	197.96	142.49
303	-	-	219.64	-	202.16	147.64
314	-	-	251.35	-	229.13	211.91
330	-	-	8000	-	8000	224.14
341	-	-	8000	-	8000	8000
357	-	-	8000	-	8000	8000
368	-	-	-	-	8000	8000

**RPHP, 5 pigeons, no shuffle, preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
11	5.44	5.44	5.44	5.44	5.44	5.44
22	5.44	5.44	5.44	5.44	5.44	5.44
33	5.44	5.44	5.44	5.44	5.44	5.44
44	5.44	5.44	5.44	5.44	5.44	5.44
60	5.44	5.44	5.44	5.44	5.44	5.44
71	5.44	5.44	5.44	5.44	5.44	5.44
87	5.44	5.44	5.44	5.44	5.44	5.44
98	5.44	5.44	5.44	5.44	5.44	5.44
114	8000	5.44	5.44	5.44	5.44	5.44
125	8000	5.57	5.57	5.57	5.57	5.57
141	8000	8000	5.57	5.57	5.57	5.57
152	-	8000	8000	8000	5.57	5.57
168	-	8000	8000	8000	5.57	5.57
179	-	-	8000	8000	5.57	5.57
195	-	-	-	-	5.57	5.57
206	-	-	-	-	5.57	5.57
222	-	-	-	-	5.57	5.57
233	-	-	-	-	5.57	5.57
249	-	-	-	-	5.57	5.79
260	-	-	-	-	6.95	6.53
276	-	-	-	-	7.94	7.16
287	-	-	-	-	9.07	9.62
303	-	-	-	-	10.86	13.12
314	-	-	-	-	12.65	12.91
330	-	-	-	-	15.55	13.64
341	-	-	-	-	16.21	15.45
357	-	-	-	-	20.25	19.16
368	-	-	-	-	24.2	8000
384	-	-	-	-	25.47	8000
395	-	-	-	-	8000	8000
411	-	-	-	-	8000	-
422	-	-	-	-	8000	-
438	-	-	-	-	8000	-

**RPHP, 5 pigeons, shuffle, preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
11	5.44	5.44	5.44	5.44	5.44	5.44
22	5.44	5.44	5.44	5.44	5.44	5.44
33	5.44	5.44	5.44	5.44	5.44	5.44
44	5.44	5.44	5.44	5.44	5.44	5.44
60	5.44	5.44	5.44	5.44	5.44	5.44
71	5.44	5.44	5.44	5.44	5.44	5.44
87	5.44	5.44	5.44	5.44	5.44	5.44
98	7.11	5.44	5.44	22.0	5.44	5.44
114	11.28	5.44	5.44	53.64	5.44	5.44
125	18.18	5.57	5.57	135.09	5.57	5.57
141	22.8	7.74	7.44	8000	7.38	5.87
152	30.3	11.63	8.34	8000	9.1	7.54
168	34.45	21.35	13.53	8000	13.15	15.14
179	8000	18.55	19.23	-	24.23	17.9
195	8000	23.8	30.37	-	28.55	21.55
206	8000	35.73	33.74	-	33.75	32.17
222	-	52.0	38.31	-	51.85	36.8
233	-	58.27	75.99	-	77.41	56.47
249	-	8000	102.03	-	84.97	113.31
260	-	8000	99.28	-	122.02	129.75
276	-	8000	140.28	-	131.49	128.91
287	-	8000	157.07	-	195.44	147.32
303	-	-	216.51	-	203.45	196.92
314	-	-	251.27	-	307.77	223.98
330	-	-	8000	-	8000	305.25
341	-	-	8000	-	8000	332.03
357	-	-	8000	-	8000	8000
368	-	-	-	-	-	8000
384	-	-	-	-	-	8000

**RPHP, 5 pigeons, shuffle, preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
11	5.44	5.44	5.44	5.44	5.44	5.44
22	5.44	5.44	5.44	5.44	5.44	5.44
33	5.44	5.44	5.44	5.44	5.44	5.44
44	5.44	5.44	5.44	5.44	5.44	5.44
60	5.44	5.44	5.44	5.44	5.44	5.44
71	5.44	5.44	5.44	5.44	5.44	5.44
87	5.44	5.44	5.44	5.44	5.44	5.44
98	5.44	5.44	5.44	5.44	5.44	5.44
114	8000	5.44	5.44	5.44	5.44	5.44
125	8000	5.57	5.57	5.57	5.57	5.57
141	8000	8000	5.57	8000	5.57	5.57
152	-	8000	8000	8000	5.57	5.57
168	-	8000	8000	8000	5.57	5.57
179	-	-	8000	8000	5.57	5.57
195	-	-	-	-	5.57	5.57
206	-	-	-	-	5.57	5.57
222	-	-	-	-	5.57	5.57
233	-	-	-	-	5.57	5.57
249	-	-	-	-	6.09	5.6
260	-	-	-	-	6.96	6.26
276	-	-	-	-	8.3	7.74
287	-	-	-	-	9.18	8.52
303	-	-	-	-	11.3	10.26
314	-	-	-	-	14.28	13.84
330	-	-	-	-	14.76	14.61
341	-	-	-	-	20.62	16.54
357	-	-	-	-	21.29	21.59
368	-	-	-	-	24.26	21.68
384	-	-	-	-	27.43	24.3
395	-	-	-	-	8000	8000
411	-	-	-	-	8000	8000
422	-	-	-	-	8000	8000
438	-	-	-	-	8000	-

# Tseitin grids

**Tseitin grids, width: 2, no shuffle, no preprocessing  
no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
1	5.43	5.43	5.43	5.43	5.43	5.43
301	5.43	5.43	5.43	5.43	5.43	5.43
601	5.43	5.43	5.43	11.85	5.43	5.43
901	5.46	5.43	5.43	18.84	5.43	5.43
1201	5.6	5.43	5.43	24.0	5.43	5.43
1501	8.32	5.43	5.43	35.23	5.43	5.43
1801	8.41	5.43	5.43	39.32	5.43	5.43
2101	12.47	5.43	5.43	54.92	5.43	5.43
2401	12.84	5.43	5.43	55.85	5.43	5.43
2701	12.88	5.43	5.43	59.1	5.43	5.43
3001	20.32	5.93	5.43	67.12	5.43	5.43
3301	20.45	6.06	5.43	67.9	5.43	5.43
3601	20.55	6.14	5.43	88.69	5.43	5.43
3901	20.58	6.17	5.43	92.0	6.11	5.43
4201	20.63	6.4	5.43	95.47	6.14	5.43
4501	24.97	9.11	5.43	97.34	6.12	5.43
4801	26.07	8.94	5.43	105.12	6.23	5.43
5101	26.5	8.96	5.43	103.66	6.23	5.43
5401	29.27	9.53	5.43	107.26	6.34	5.43
5701	29.51	13.82	5.43	8000	6.38	5.43
6001	30.15	13.85	5.43	8000	8.99	5.43
6301	31.23	13.89	5.43	8000	9.16	6.26
6601	39.51	13.6	5.43	8000	9.18	5.43
6901	40.17	13.61	5.43	-	9.2	5.43
7201	41.43	13.83	6.62	-	9.35	6.46
7501	44.84	20.79	6.48	-	9.38	6.47
7801	44.89	20.86	6.64	-	9.41	6.62
8101	45.55	21.0	6.77	-	13.96	6.71
8401	46.84	21.05	6.78	-	13.66	6.7
8701	47.1	21.1	6.8	-	13.98	6.58
9001	48.58	21.14	6.68	-	13.74	6.65
9301	8000	21.38	6.73	-	13.81	6.71
9601	8000	21.41	6.73	-	13.86	6.71
9901	8000	21.42	6.74	-	13.86	6.73
10201	-	26.03	6.79	-	13.9	9.28
10501	-	28.24	6.76	-	13.91	9.29
10801	-	28.62	7.04	-	14.15	9.52
11101	-	28.68	7.05	-	14.17	9.59
11401	-	28.68	7.08	-	14.21	9.61
11701	-	29.91	9.77	-	14.25	9.63

**Tseitin grids, width: 2, no shuffle, no preprocessing  
clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
1	5.43	5.43	5.43	5.43	5.43	5.43
301	5.43	5.43	5.43	5.43	5.43	5.43
601	5.43	5.43	5.43	5.43	5.43	5.43
901	5.43	5.43	5.43	5.43	5.43	5.43
1201	5.43	5.43	5.43	5.43	5.43	5.43
1501	5.43	5.43	5.43	5.43	5.43	5.43
1801	5.43	5.43	5.43	5.43	5.43	5.43
2101	5.43	5.43	5.43	5.51	5.43	5.43
2401	5.43	5.43	5.43	7.05	5.43	5.43
2701	5.43	5.43	5.43	7.77	5.43	5.43
3001	5.43	5.43	5.43	8.47	5.43	5.43
3301	5.43	5.43	5.43	9.04	5.43	5.43
3601	5.43	5.43	5.43	9.89	5.43	5.43
3901	6.02	5.43	5.43	11.0	5.43	5.43
4201	6.98	5.43	5.43	11.62	5.43	5.43
4501	7.39	6.16	5.43	12.77	5.43	5.43
4801	7.6	6.42	5.43	14.69	5.92	5.43
5101	7.49	6.98	5.43	14.41	6.24	5.43
5401	8.7	7.29	5.43	14.79	6.39	5.43
5701	9.34	7.13	5.83	17.09	6.31	5.43
6001	10.39	7.67	5.43	17.92	6.4	5.62
6301	10.51	7.9	5.43	17.54	6.54	5.43
6601	10.98	10.09	5.43	18.94	7.53	5.43
6901	11.04	10.18	5.43	19.64	7.77	5.43
7201	11.16	9.89	6.36	21.77	9.41	5.6
7501	11.36	10.38	5.48	21.06	9.5	6.56
7801	11.74	10.57	5.5	22.2	9.18	5.68
8101	13.54	10.77	5.63	25.37	9.61	6.23
8401	14.14	11.97	6.02	26.74	9.13	5.88
8701	14.71	12.14	6.05	27.96	9.24	5.95
9001	15.93	12.34	6.06	27.97	9.64	7.64
9301	15.9	13.11	6.12	28.06	11.02	8.35
9601	15.91	14.14	7.72	29.04	9.73	8.49
9901	16.86	13.67	6.93	29.46	9.82	8.54
10201	17.06	14.43	7.07	30.12	11.48	8.65
10501	18.13	14.66	8.7	30.48	11.87	8.75
10801	18.29	16.04	8.02	33.29	12.57	9.02
11101	18.99	17.04	9.64	33.22	13.22	7.96
11401	18.5	16.09	8.07	37.95	13.52	7.99
11701	19.18	18.71	9.82	39.56	12.85	8.01



**Tseitin grids, width: 2, shuffle, no preprocessing  
no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
1	5.43	5.43	5.43	5.43	5.43	5.43
301	5.43	5.43	5.43	5.43	5.43	5.43
601	5.43	5.43	5.43	11.82	5.43	5.43
901	5.45	5.43	5.43	18.88	5.43	5.43
1201	5.59	5.43	5.43	24.41	5.43	5.43
1501	8.32	5.43	5.43	35.54	5.43	5.43
1801	8.41	5.43	5.43	39.46	5.43	5.43
2101	12.48	5.43	5.43	43.33	5.43	5.43
2401	12.84	5.43	5.43	57.37	5.43	5.43
2701	12.89	5.43	5.43	60.62	5.43	5.43
3001	20.32	5.92	5.43	66.94	5.43	5.43
3301	20.45	6.07	5.43	67.77	5.43	5.43
3601	20.53	6.15	5.43	90.49	6.09	5.43
3901	20.58	6.17	5.43	92.48	6.12	5.43
4201	20.62	9.06	5.43	102.2	6.16	5.43
4501	24.98	9.12	5.43	103.19	6.14	5.43
4801	25.55	8.94	5.43	103.305	6.24	5.43
5101	26.49	8.97	5.43	103.845	6.26	5.43
5401	29.3	13.8	5.43	8000	6.38	5.43
5701	29.51	13.49	5.43	8000	6.39	6.21
6001	30.24	13.86	5.43	8000	6.53	6.2
6301	31.22	13.9	5.43	8000	9.18	6.27
6601	39.32	13.63	5.43	-	9.2	6.29
6901	40.36	13.67	6.35	-	9.22	6.44
7201	41.42	13.85	6.53	-	9.38	6.51
7501	41.89	20.79	6.68	-	9.4	6.52
7801	45.06	20.83	6.73	-	9.45	9.3
8101	45.36	21.03	6.87	-	14.02	6.77
8401	46.94	21.06	6.85	-	13.66	6.81
8701	47.73	21.12	6.84	-	14.07	9.18
9001	8000	21.16	6.73	-	13.73	9.21
9301	8000	21.39	9.42	-	13.82	9.24
9601	8000	21.42	6.79	-	13.86	6.74
9901	8000	21.44	9.46	-	13.9	9.29
10201	-	25.9	9.44	-	13.93	9.29
10501	-	26.57	6.82	-	13.96	9.3
10801	-	28.55	9.7	-	14.2	9.62
11101	-	28.68	9.71	-	14.18	9.63
11401	-	29.26	9.74	-	14.24	9.65
11701	-	30.47	9.78	-	14.24	9.61

**Tseitin grids, width: 2, shuffle, no preprocessing  
clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
1	5.43	5.43	5.43	5.43	5.43	5.43
301	5.43	5.43	5.43	5.43	5.43	5.43
601	5.43	5.43	5.43	5.43	5.43	5.43
901	5.43	5.43	5.43	5.43	5.43	5.43
1201	5.43	5.43	5.43	5.43	5.43	5.43
1501	5.43	5.43	5.43	5.43	5.43	5.43
1801	5.43	5.43	5.43	5.43	5.43	5.43
2101	5.43	5.43	5.43	5.61	5.43	5.43
2401	5.43	5.43	5.43	6.44	5.43	5.43
2701	5.43	5.43	5.43	8.18	5.43	5.43
3001	5.43	5.43	5.43	8.48	5.43	5.43
3301	5.43	5.43	5.43	8.51	5.43	5.43
3601	5.43	5.43	5.43	9.43	5.43	5.43
3901	5.97	5.43	5.43	11.32	5.43	5.43
4201	6.98	5.43	5.43	11.29	5.43	5.43
4501	7.16	5.94	5.43	13.18	5.43	5.43
4801	7.84	7.05	5.43	14.13	5.95	5.43
5101	7.53	6.56	5.43	14.34	6.26	5.43
5401	8.65	7.28	5.43	15.59	6.41	5.43
5701	9.71	7.19	5.43	15.7	6.34	5.43
6001	10.24	7.65	5.43	17.34	6.39	5.66
6301	10.48	7.86	5.43	20.1	6.54	5.76
6601	10.52	10.06	5.43	19.72	6.82	6.28
6901	11.04	10.3	5.43	19.69	7.62	6.36
7201	11.06	9.9	6.41	20.57	8.68	6.38
7501	11.28	10.45	6.53	20.93	8.89	6.89
7801	11.73	10.69	5.6	25.82	9.16	6.96
8101	13.47	10.77	7.21	27.75	9.71	6.18
8401	14.13	11.91	8.69	28.0	9.17	7.66
8701	14.41	12.11	7.07	30.65	9.53	7.64
9001	15.84	12.38	7.71	28.35	9.63	8.98
9301	15.91	13.09	8.42	28.78	9.8	8.38
9601	15.95	13.63	8.55	30.73	11.29	8.52
9901	16.11	13.76	9.4	29.61	11.51	8.55
10201	17.14	14.52	8.76	30.07	11.09	8.69
10501	16.97	15.09	9.42	31.77	11.29	8.79
10801	18.46	16.61	9.67	31.28	11.79	9.6
11101	18.88	16.03	8.08	34.1	13.12	9.64
11401	18.55	16.18	8.09	39.7	12.78	9.71
11701	20.07	17.41	9.91	41.34	12.9	9.23

**Tseitin grids, width: 2, no shuffle, preprocessing  
no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
1	5.44	5.44	5.44	5.44	5.44	5.44
301	5.57	5.57	5.57	5.57	5.57	5.57
601	5.7	5.7	5.7	5.7	5.7	5.7
901	5.87	5.87	5.87	5.87	5.87	5.87
1201	6.09	6.09	6.09	6.09	6.09	6.09
1501	6.24	6.24	6.24	6.24	6.24	6.24
1801	6.45	6.45	6.45	6.45	6.45	6.45
2101	6.57	6.57	6.57	6.57	6.57	6.57
2401	6.7	6.7	6.7	6.7	6.7	6.7
2701	6.97	6.97	6.97	6.97	6.97	6.97
3001	7.02	7.02	7.02	7.02	7.02	7.02
3301	7.18	7.18	7.18	7.18	7.18	7.18
3601	7.37	7.37	7.37	7.37	7.37	7.37
3901	7.49	7.49	7.49	7.49	7.49	7.49
4201	7.72	7.72	7.72	7.72	7.72	7.72
4501	7.87	7.87	7.87	7.87	7.87	7.87
4801	8.09	8.09	8.09	8.09	8.09	8.09
5101	8.14	8.14	8.14	8.14	8.14	8.14
5401	8.42	8.42	8.42	8.42	8.42	8.42
5701	8.49	8.49	8.49	8.49	8.49	8.49
6001	8.72	8.72	8.72	8.72	8.72	8.72
6301	8.63	8.63	8.63	8.63	8.63	8.63
6601	9.0	9.0	9.0	9.0	9.0	9.0
6901	9.13	9.13	9.13	9.13	9.13	9.13
7201	9.39	9.39	9.39	9.39	9.39	9.39
7501	9.54	9.54	9.54	9.54	9.54	9.54
7801	9.56	9.56	9.56	9.56	9.56	9.56
8101	9.94	9.94	9.94	9.94	9.94	9.94
8401	9.91	9.91	9.91	9.91	9.91	9.91
8701	10.13	10.13	10.13	10.13	10.13	10.13
9001	10.11	10.11	10.11	10.11	10.11	10.11
9301	10.21	10.21	10.21	10.21	10.21	10.21
9601	10.35	10.35	10.35	10.35	10.35	10.35
9901	10.42	10.42	10.42	10.42	10.42	10.42
10201	10.64	10.64	10.64	10.64	10.64	10.64
10501	10.78	10.78	10.78	10.78	10.78	10.78
10801	11.54	11.54	11.54	11.54	11.54	11.54
11101	11.64	11.64	11.64	11.64	11.64	11.64
11401	11.68	11.68	11.68	11.68	11.68	11.68
11701	11.76	11.76	11.76	11.76	11.76	11.76

**Tseitin grids, width: 2, no shuffle, preprocessing  
clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
1	5.44	5.44	5.44	5.44	5.44	5.44
301	5.57	5.57	5.57	5.57	5.57	5.57
601	5.7	5.7	5.7	5.7	5.7	5.7
901	5.87	5.87	5.87	5.87	5.87	5.87
1201	6.09	6.09	6.09	6.09	6.09	6.09
1501	6.24	6.24	6.24	6.24	6.24	6.24
1801	6.45	6.45	6.45	6.45	6.45	6.45
2101	6.57	6.57	6.57	6.57	6.57	6.57
2401	6.7	6.7	6.7	6.7	6.7	6.7
2701	6.97	6.97	6.97	6.97	6.97	6.97
3001	7.02	7.02	7.02	7.02	7.02	7.02
3301	7.18	7.18	7.18	7.18	7.18	7.18
3601	7.37	7.37	7.37	7.37	7.37	7.37
3901	7.49	7.49	7.49	7.49	7.49	7.49
4201	7.72	7.72	7.72	7.72	7.72	7.72
4501	7.87	7.87	7.87	7.87	7.87	7.87
4801	8.09	8.09	8.09	8.09	8.09	8.09
5101	8.14	8.14	8.14	8.14	8.14	8.14
5401	8.42	8.42	8.42	8.42	8.42	8.42
5701	8.49	8.49	8.49	8.49	8.49	8.49
6001	8.72	8.72	8.72	8.72	8.72	8.72
6301	8.63	8.63	8.63	8.63	8.63	8.63
6601	9.0	9.0	9.0	9.0	9.0	9.0
6901	9.13	9.13	9.13	9.13	9.13	9.13
7201	9.39	9.39	9.39	9.39	9.39	9.39
7501	9.54	9.54	9.54	9.54	9.54	9.54
7801	9.56	9.56	9.56	9.56	9.56	9.56
8101	9.94	9.94	9.94	9.94	9.94	9.94
8401	9.91	9.91	9.91	9.91	9.91	9.91
8701	10.13	10.13	10.13	10.13	10.13	10.13
9001	10.11	10.11	10.11	10.11	10.11	10.11
9301	10.21	10.21	10.21	10.21	10.21	10.21
9601	10.35	10.35	10.35	10.35	10.35	10.35
9901	10.42	10.42	10.42	10.42	10.42	10.42
10201	10.64	10.64	10.64	10.64	10.64	10.64
10501	10.78	10.78	10.78	10.78	10.78	10.78
10801	11.54	11.54	11.54	11.54	11.54	11.54
11101	11.64	11.64	11.64	11.64	11.64	11.64
11401	11.68	11.68	11.68	11.68	11.68	11.68
11701	11.76	11.76	11.76	11.76	11.76	11.76

**Tseitin grids, width: 2, shuffle, preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
1	5.44	5.44	5.44	5.44	5.44	5.44
301	5.57	5.57	5.57	5.57	5.57	5.57
601	5.7	5.7	5.7	5.7	5.7	5.7
901	5.84	5.84	5.84	5.84	5.84	5.84
1201	6.01	6.01	6.01	6.01	6.01	6.01
1501	6.16	6.16	6.16	6.16	6.16	6.16
1801	6.43	6.43	6.43	6.43	6.43	6.43
2101	6.5	6.5	6.5	6.5	6.5	6.5
2401	6.7	6.7	6.7	6.7	6.7	6.7
2701	6.96	6.96	6.96	6.96	6.96	6.96
3001	7.0	7.0	7.0	7.0	7.0	7.0
3301	7.27	7.27	7.27	7.27	7.27	7.27
3601	7.34	7.34	7.34	7.34	7.34	7.34
3901	7.52	7.52	7.52	7.52	7.52	7.52
4201	7.72	7.72	7.72	7.72	7.72	7.72
4501	7.88	7.88	7.88	7.88	7.88	7.88
4801	8.08	8.08	8.08	8.08	8.08	8.08
5101	8.16	8.16	8.16	8.16	8.16	8.16
5401	8.28	8.28	8.28	8.28	8.28	8.28
5701	8.47	8.47	8.47	8.47	8.47	8.47
6001	8.58	8.58	8.58	8.58	8.58	8.58
6301	8.61	8.61	8.61	8.61	8.61	8.61
6601	8.89	8.89	8.89	8.89	8.89	8.89
6901	9.14	9.14	9.14	9.14	9.14	9.14
7201	9.4	9.4	9.4	9.4	9.4	9.4
7501	9.42	9.42	9.42	9.42	9.42	9.42
7801	9.59	9.59	9.59	9.59	9.59	9.59
8101	9.91	9.91	9.91	9.91	9.91	9.91
8401	9.96	9.96	9.96	9.96	9.96	9.96
8701	10.1	10.1	10.1	10.1	10.1	10.1
9001	10.17	10.17	10.17	10.17	10.17	10.17
9301	10.19	10.19	10.19	10.19	10.19	10.19
9601	10.23	10.23	10.23	10.23	10.23	10.23
9901	10.39	10.39	10.39	10.39	10.39	10.39
10201	10.6	10.6	10.6	10.6	10.6	10.6
10501	10.69	10.69	10.69	10.69	10.69	10.69
10801	11.56	11.56	11.56	11.56	11.56	11.56
11101	11.57	11.57	11.57	11.57	11.57	11.57
11401	11.6	11.6	11.6	11.6	11.6	11.6
11701	11.74	11.74	11.74	11.74	11.74	11.74

**Tseitin grids, width: 2, shuffle, preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
1	5.44	5.44	5.44	5.44	5.44	5.44
301	5.57	5.57	5.57	5.57	5.57	5.57
601	5.7	5.7	5.7	5.7	5.7	5.7
901	5.84	5.84	5.84	5.84	5.84	5.84
1201	6.01	6.01	6.01	6.01	6.01	6.01
1501	6.16	6.16	6.16	6.16	6.16	6.16
1801	6.43	6.43	6.43	6.43	6.43	6.43
2101	6.5	6.5	6.5	6.5	6.5	6.5
2401	6.7	6.7	6.7	6.7	6.7	6.7
2701	6.96	6.96	6.96	6.96	6.96	6.96
3001	7.0	7.0	7.0	7.0	7.0	7.0
3301	7.27	7.27	7.27	7.27	7.27	7.27
3601	7.34	7.34	7.34	7.34	7.34	7.34
3901	7.52	7.52	7.52	7.52	7.52	7.52
4201	7.72	7.72	7.72	7.72	7.72	7.72
4501	7.88	7.88	7.88	7.88	7.88	7.88
4801	8.08	8.08	8.08	8.08	8.08	8.08
5101	8.16	8.16	8.16	8.16	8.16	8.16
5401	8.28	8.28	8.28	8.28	8.28	8.28
5701	8.47	8.47	8.47	8.47	8.47	8.47
6001	8.58	8.58	8.58	8.58	8.58	8.58
6301	8.61	8.61	8.61	8.61	8.61	8.61
6601	8.89	8.89	8.89	8.89	8.89	8.89
6901	9.14	9.14	9.14	9.14	9.14	9.14
7201	9.4	9.4	9.4	9.4	9.4	9.4
7501	9.42	9.42	9.42	9.42	9.42	9.42
7801	9.59	9.59	9.59	9.59	9.59	9.59
8101	9.91	9.91	9.91	9.91	9.91	9.91
8401	9.96	9.96	9.96	9.96	9.96	9.96
8701	10.1	10.1	10.1	10.1	10.1	10.1
9001	10.17	10.17	10.17	10.17	10.17	10.17
9301	10.19	10.19	10.19	10.19	10.19	10.19
9601	10.23	10.23	10.23	10.23	10.23	10.23
9901	10.39	10.39	10.39	10.39	10.39	10.39
10201	10.6	10.6	10.6	10.6	10.6	10.6
10501	10.69	10.69	10.69	10.69	10.69	10.69
10801	11.56	11.56	11.56	11.56	11.56	11.56
11101	11.57	11.57	11.57	11.57	11.57	11.57
11401	11.6	11.6	11.6	11.6	11.6	11.6
11701	11.74	11.74	11.74	11.74	11.74	11.74

**Tseitin grids, width: 3, no shuffle, no preprocessing  
no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
2	5.43	5.43	5.43	5.43	5.43	5.43
17	5.43	5.43	5.43	5.43	5.43	5.43
32	5.43	5.43	5.43	5.43	5.43	5.43
47	5.43	5.43	5.43	5.43	5.43	5.43
62	5.43	5.43	5.43	9.14	5.43	5.43
77	5.43	5.43	5.43	22.26	5.43	5.43
92	5.43	5.43	5.43	32.94	5.43	5.43
107	7.38	5.43	5.43	52.39	5.43	5.43
122	7.45	5.43	5.43	78.64	5.43	5.43
137	11.21	5.43	5.43	123.14	5.43	5.43
152	11.61	5.43	5.43	129.16	5.43	5.43
167	11.66	5.43	5.43	139.63	5.43	5.43
182	11.76	5.43	5.43	8000	5.43	5.43
197	18.61	5.43	5.43	8000	5.43	5.43
212	18.22	5.43	5.43	8000	5.43	5.43
227	18.25	5.43	5.43	8000	5.43	5.43
242	18.59	5.43	5.43	-	5.43	5.43
257	18.28	5.43	5.43	-	5.43	5.43
272	22.61	5.43	5.43	-	5.43	5.43
287	22.72	5.43	5.43	-	5.43	5.43
302	22.7	5.43	5.43	-	5.43	5.43
317	23.03	5.43	5.43	-	5.43	5.43
332	23.58	5.43	5.43	-	5.43	5.43
347	24.53	5.43	5.43	-	5.43	5.43
362	24.3	5.43	5.43	-	5.43	5.43
377	26.17	5.43	5.43	-	5.43	5.43
392	33.23	5.43	5.43	-	5.43	5.43
407	33.35	5.43	5.43	-	5.43	5.43
422	26.46	5.43	5.43	-	5.43	5.43
437	33.48	5.43	5.43	-	5.43	5.43
452	35.64	5.43	5.43	-	5.43	5.43
467	36.34	5.43	5.43	-	5.43	5.43
482	35.94	5.43	5.43	-	5.43	5.43
497	35.53	5.43	5.43	-	5.43	5.43
512	36.82	5.43	5.43	-	5.43	5.43
527	37.52	5.43	5.43	-	5.43	5.43
542	39.91	5.43	5.43	-	5.43	5.43
557	38.935	5.43	5.43	-	5.43	5.43
572	39.95	5.43	5.43	-	5.43	5.43
587	40.5	5.43	5.43	-	5.43	5.43

**Tseitin grids, width: 3, no shuffle, no preprocessing  
clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
2	5.43	5.43	5.43	5.43	5.43	5.43
32	5.43	5.43	5.43	5.43	5.43	5.43
62	5.43	5.43	5.43	5.43	5.43	5.43
92	5.43	5.43	5.43	5.43	5.43	5.43
122	5.43	5.43	5.43	5.43	5.43	5.43
152	5.43	5.43	5.43	8000	5.43	5.43
182	5.43	5.43	5.43	8000	5.43	5.43
212	5.43	5.43	5.43	8000	5.43	5.43
242	5.43	5.43	5.43	8000	5.43	5.43
272	5.43	5.43	5.43	-	5.43	5.43
302	5.43	5.43	5.43	-	5.43	5.43
332	5.43	5.43	5.43	-	5.43	5.43
362	5.43	5.43	5.43	-	5.43	5.43
392	5.43	5.43	5.43	-	5.43	5.43
422	5.43	5.43	5.43	-	5.43	5.43
452	5.43	5.43	5.43	-	5.43	5.43
482	5.43	5.43	5.43	-	5.43	5.43
512	5.43	5.43	5.43	-	5.43	5.43
542	5.43	5.43	5.43	-	5.43	5.43
572	5.43	5.43	5.43	-	5.43	5.43
602	5.43	5.43	5.43	-	5.43	5.43
632	5.43	5.43	5.43	-	5.43	5.43
662	5.43	5.43	5.43	-	5.43	5.43
692	5.43	5.43	5.43	-	5.43	5.43
722	5.43	5.43	5.43	-	5.43	5.43
752	5.43	5.43	5.43	-	5.43	5.43
782	5.43	5.43	5.43	-	5.43	5.43
812	5.43	5.43	5.43	-	5.43	5.43
842	5.43	5.43	5.43	-	5.43	5.43
872	5.43	5.43	5.43	-	5.43	5.43
902	5.43	5.43	5.43	-	5.43	5.43
932	5.43	5.43	5.43	-	5.43	5.43
962	5.43	5.43	5.43	-	5.43	5.43
992	5.43	5.43	5.43	-	5.43	5.43
1022	5.43	5.43	5.43	-	5.43	5.43
1052	5.43	5.43	5.43	-	5.43	5.43
1082	5.43	5.43	5.43	-	5.93	5.43
1112	5.43	5.43	5.43	-	6.06	5.43
1142	5.43	5.43	5.43	-	6.61	5.43
1172	8000	5.43	5.43	-	6.25	5.43



**Tseitin grids, width: 3, shuffle, no preprocessing  
no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
2	5.43	5.43	5.43	5.43	5.43	5.43
17	5.43	5.43	5.43	5.43	5.43	5.43
32	5.43	5.43	5.43	5.43	5.43	5.43
47	5.43	5.43	5.43	5.43	5.43	5.43
62	5.43	5.43	5.43	8.95	5.43	5.43
77	5.43	5.43	5.43	21.74	5.43	5.43
92	5.43	5.43	5.43	31.35	5.43	5.43
107	7.36	5.43	5.43	54.57	5.43	5.43
122	10.08	5.43	5.43	58.36	5.43	5.43
137	11.69	5.43	5.43	91.94	5.43	5.43
152	11.3	5.43	5.43	132.61	5.43	5.43
167	11.74	5.43	5.43	8000	5.43	5.43
182	18.2	5.43	5.43	8000	5.43	5.43
197	13.17	5.43	5.43	8000	5.43	5.43
212	18.28	5.43	5.43	8000	5.43	5.43
227	18.37	5.43	5.43	-	5.43	5.43
242	18.31	5.43	5.43	-	5.43	5.43
257	18.39	5.43	5.43	-	5.43	5.43
272	18.35	5.43	5.43	-	5.43	5.43
287	22.68	5.43	5.43	-	5.43	5.43
302	22.7	5.43	5.43	-	5.43	5.43
317	23.05	5.43	5.43	-	5.43	5.43
332	24.3	5.43	5.43	-	5.43	5.43
347	23.91	5.43	5.43	-	5.43	5.43
362	24.34	5.43	5.43	-	5.43	5.43
377	24.77	5.43	5.43	-	5.43	5.43
392	33.5	5.43	5.43	-	5.43	5.43
407	34.08	5.43	5.43	-	5.43	5.43
422	35.02	5.43	5.43	-	5.43	5.43
437	35.07	5.43	5.43	-	5.43	5.43
452	35.23	5.43	5.43	-	5.43	5.43
467	36.15	5.43	5.43	-	5.43	5.43
482	36.11	5.43	5.43	-	5.43	5.43
497	36.66	5.43	5.43	-	5.43	5.43
512	37.08	5.43	5.43	-	5.43	5.43
527	36.46	5.43	5.43	-	5.43	5.43
542	39.74	5.43	5.43	-	5.43	5.43
557	40.13	5.43	5.43	-	5.43	5.43
572	39.95	5.43	5.43	-	5.43	5.43
587	40.275	5.43	5.43	-	5.43	5.43

**Tseitin grids, width: 3, shuffle, no preprocessing  
clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
2	5.43	5.43	5.43	5.43	5.43	5.43
32	5.43	5.43	5.43	5.43	5.43	5.43
62	5.43	5.43	5.43	5.43	5.43	5.43
92	5.43	5.43	5.43	5.43	5.43	5.43
122	5.43	5.43	5.43	5.485	5.43	5.43
152	5.43	5.43	5.43	8000	5.43	5.43
182	5.43	5.43	5.43	8000	5.43	5.43
212	5.43	5.43	5.43	8000	5.43	5.43
242	5.43	5.43	5.43	-	5.43	5.43
272	5.43	5.43	5.43	-	5.43	5.43
302	5.43	5.43	5.43	-	5.43	5.43
332	5.43	5.43	5.43	-	5.43	5.43
362	5.43	5.43	5.43	-	5.43	5.43
392	5.43	5.43	5.43	-	5.43	5.43
422	5.43	5.43	5.43	-	5.43	5.43
452	5.43	5.43	5.43	-	5.43	5.43
482	5.43	5.43	5.43	-	5.43	5.43
512	5.43	5.43	5.43	-	5.43	5.43
542	5.43	5.43	5.43	-	5.43	5.43
572	5.43	5.43	5.43	-	5.43	5.43
602	5.43	5.43	5.43	-	5.43	5.43
632	5.43	5.43	5.43	-	5.43	5.43
662	5.43	5.43	5.43	-	5.43	5.43
692	5.43	5.43	5.43	-	5.43	5.43
722	5.43	5.43	5.43	-	5.43	5.43
752	5.43	5.43	5.43	-	5.43	5.43
782	5.43	5.43	5.43	-	5.43	5.43
812	5.43	5.43	5.43	-	5.43	5.43
842	5.43	5.43	5.43	-	5.43	5.43
872	5.43	5.43	5.43	-	5.43	5.43
902	5.43	5.43	5.43	-	5.43	5.43
932	5.43	5.43	5.43	-	5.43	5.43
962	5.43	5.43	5.43	-	5.43	5.43
992	5.43	5.43	5.43	-	5.43	5.43
1022	5.43	5.43	5.43	-	5.43	5.43
1052	5.43	5.43	5.43	-	5.43	5.43
1082	5.43	5.43	5.43	-	5.43	5.43
1112	8000	5.43	5.43	-	5.43	5.43
1142	8000	5.43	5.43	-	5.43	5.43
1172	5.43	5.43	5.43	-	7.27	5.43

**Tseitin grids, width: 3, no shuffle, preprocessing  
no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
2	5.44	5.44	5.44	5.44	5.44	5.44
17	5.44	5.44	5.44	5.44	5.44	5.44
32	5.44	5.44	5.44	5.44	5.44	5.44
47	5.44	5.44	5.44	5.44	5.44	5.44
62	5.44	5.44	5.44	5.44	5.44	5.44
77	5.44	5.44	5.44	5.44	5.44	5.44
92	9.99	5.44	5.44	56.53	5.44	5.44
107	5.44	5.44	5.44	5.44	5.44	5.44
122	5.44	5.44	5.44	7.5	5.44	5.44
137	5.57	5.57	5.57	21.74	5.57	5.57
152	7.52	5.57	5.57	79.37	5.57	5.57
167	5.57	5.57	5.57	5.57	5.57	5.57
182	11.7	5.57	5.57	131.185	5.57	5.57
197	18.61	5.57	5.57	8000	5.57	5.57
212	23.02	5.57	5.57	8000	5.57	5.57
227	18.66	5.57	5.57	8000	5.57	5.57
242	24.49	5.57	5.57	8000	5.57	5.57
257	7.76	5.57	5.57	-	5.57	5.57
272	23.93	5.57	5.57	-	5.57	5.57
287	18.7	5.57	5.57	-	5.57	5.57
302	18.75	5.57	5.57	-	5.57	5.57
317	18.75	5.57	5.57	-	5.57	5.57
332	18.8	5.57	5.57	-	5.57	5.57
347	23.08	5.57	5.57	-	5.57	5.57
362	36.79	5.57	5.57	-	5.57	5.57
377	23.42	5.57	5.57	-	5.57	5.57
392	26.46	5.57	5.57	-	5.57	5.57
407	37.56	5.57	5.57	-	5.57	5.57
422	24.66	5.57	5.57	-	5.57	5.57
437	8000	5.57	5.57	-	5.57	5.57
452	8000	5.57	5.57	-	5.57	5.57
467	25.72	5.71	5.71	-	5.71	5.71
482	8000	5.71	5.71	-	5.71	5.71
497	35.16	5.73	5.73	-	5.73	5.73
512	36.05	5.73	5.73	-	5.73	5.73
527	39.865	5.73	5.73	-	5.73	5.73
542	8000	5.73	5.73	-	5.73	5.73
557	8000	5.75	5.75	-	5.75	5.75
572	8000	5.7	5.7	-	5.7	5.7
587	8000	5.7	5.7	-	5.7	5.7

**Tseitin grids, width: 3, no shuffle, preprocessing  
clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
2	5.44	5.44	5.44	5.44	5.44	5.44
32	5.44	5.44	5.44	5.44	5.44	5.44
62	5.44	5.44	5.44	5.44	5.44	5.44
92	5.44	5.44	5.44	5.44	5.44	5.44
122	5.44	5.44	5.44	5.44	5.44	5.44
152	5.57	5.57	5.57	8000	5.57	5.57
182	5.57	5.57	5.57	8000	5.57	5.57
212	5.57	5.57	5.57	8000	5.57	5.57
242	5.57	5.57	5.57	-	5.57	5.57
272	5.57	5.57	5.57	-	5.57	5.57
302	5.57	5.57	5.57	-	5.57	5.57
332	5.57	5.57	5.57	-	5.57	5.57
362	5.57	5.57	5.57	-	5.57	5.57
392	5.57	5.57	5.57	-	5.57	5.57
422	5.57	5.57	5.57	-	5.57	5.57
452	5.57	5.57	5.57	-	5.57	5.57
482	5.71	5.71	5.71	-	5.71	5.71
512	5.73	5.73	5.73	-	5.73	5.73
542	5.73	5.73	5.73	-	5.73	5.73
572	5.7	5.7	5.7	-	5.7	5.7
602	5.7	5.7	5.7	-	5.7	5.7
632	5.7	5.7	5.7	-	5.7	5.7
662	5.71	5.71	5.71	-	5.71	5.71
692	8000	5.7	5.7	-	5.7	5.7
722	8000	5.84	5.84	-	5.84	5.84
752	5.7	5.7	5.7	-	5.7	5.7
782	5.84	5.84	5.84	-	5.84	5.84
812	8000	5.85	5.85	-	7.64	5.85
842	8000	5.87	5.87	-	7.66	5.87
872	5.84	5.84	5.84	-	6.46	5.84
902	8000	5.89	5.89	-	7.12	5.89
932	8000	5.9	5.9	-	7.27	5.9
962	8000	5.83	5.83	-	9.54	5.83
992	8000	5.97	5.97	-	10.18	5.97
1022	8000	5.98	5.98	-	9.69	5.98
1052	8000	5.98	5.98	-	13.34	5.98
1082	8000	6.0	6.0	-	9.89	6.0
1112	8000	6.02	6.02	-	10.91	6.1
1142	8000	6.01	6.01	-	16.38	8.93
1172	8000	6.01	6.01	-	12.23	8.52

**Tseitin grids, width: 3, shuffle, preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
2	5.44	5.44	5.44	5.44	5.44	5.44
17	5.44	5.44	5.44	5.44	5.44	5.44
32	5.44	5.44	5.44	5.44	5.44	5.44
47	5.44	5.44	5.44	5.44	5.44	5.44
62	5.44	5.44	5.44	5.44	5.44	5.44
77	5.44	5.44	5.44	5.44	5.44	5.44
92	5.44	5.44	5.44	5.44	5.44	5.44
107	5.44	5.44	5.44	5.44	5.44	5.44
122	9.04	5.44	5.44	54.61	5.44	5.44
137	5.57	5.57	5.57	5.57	5.57	5.57
152	5.57	5.57	5.57	5.57	5.57	5.57
167	5.57	5.57	5.57	5.57	5.57	5.57
182	7.53	5.57	5.57	54.93	5.57	5.57
197	11.76	5.57	5.57	133.395	5.57	5.57
212	18.64	5.57	5.57	8000	5.57	5.57
227	12.31	5.57	5.57	8000	5.57	5.57
242	5.57	5.57	5.57	5.57	5.57	5.57
257	22.94	5.57	5.57	8000	5.57	5.57
272	11.75	5.57	5.57	129.56	5.57	5.57
287	23.49	5.57	5.57	8000	5.57	5.57
302	24.33	5.57	5.57	8000	5.57	5.57
317	24.77	5.57	5.57	8000	5.57	5.57
332	18.71	5.57	5.57	-	5.57	5.57
347	35.89	5.57	5.57	-	5.57	5.57
362	23.07	5.57	5.57	-	5.57	5.57
377	25.62	5.57	5.57	-	5.57	5.57
392	39.065	5.57	5.57	-	5.57	5.57
407	8000	5.57	5.57	-	5.57	5.57
422	36.37	5.7	5.7	-	5.7	5.7
437	33.95	5.7	5.7	-	5.7	5.7
452	25.45	5.57	5.57	-	5.57	5.57
467	40.92	5.57	5.57	-	5.57	5.57
482	8000	5.73	5.73	-	5.73	5.73
497	8000	5.7	5.7	-	5.7	5.7
512	33.55	5.7	5.7	-	5.7	5.7
527	35.37	5.7	5.7	-	5.7	5.7
542	39.55	5.7	5.7	-	5.7	5.7
557	8000	5.7	5.7	-	5.7	5.7
572	8000	5.7	5.7	-	5.7	5.7
587	8000	5.7	5.7	-	5.7	5.7

**Tseitin grids, width: 3, shuffle, preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
2	5.44	5.44	5.44	5.44	5.44	5.44
32	5.44	5.44	5.44	5.44	5.44	5.44
62	5.44	5.44	5.44	5.44	5.44	5.44
92	5.44	5.44	5.44	5.44	5.44	5.44
122	5.44	5.44	5.44	8000	5.44	5.44
152	5.57	5.57	5.57	5.57	5.57	5.57
182	5.57	5.57	5.57	8000	5.57	5.57
212	5.57	5.57	5.57	8000	5.57	5.57
242	5.57	5.57	5.57	5.57	5.57	5.57
272	5.57	5.57	5.57	8000	5.57	5.57
302	5.57	5.57	5.57	8000	5.57	5.57
332	5.57	5.57	5.57	8000	5.57	5.57
362	5.57	5.57	5.57	-	5.57	5.57
392	5.57	5.57	5.57	-	5.57	5.57
422	5.7	5.7	5.7	-	5.7	5.7
452	5.57	5.57	5.57	-	5.57	5.57
482	8000	5.73	5.73	-	5.73	5.73
512	5.7	5.7	5.7	-	5.7	5.7
542	5.7	5.7	5.7	-	5.7	5.7
572	8000	5.7	5.7	-	5.7	5.7
602	5.7	5.7	5.7	-	5.7	5.7
632	5.7	5.7	5.7	-	5.7	5.7
662	5.7	5.7	5.7	-	5.7	5.7
692	5.7	5.7	5.7	-	5.7	5.7
722	8000	5.83	5.83	-	5.88	5.83
752	5.83	5.83	5.83	-	5.83	5.83
782	5.83	5.83	5.83	-	6.01	5.83
812	8000	5.86	5.86	-	6.19	5.86
842	8000	5.9	5.9	-	7.16	5.9
872	8000	5.87	5.87	-	7.16	5.87
902	8000	5.89	5.89	-	7.5	5.89
932	8000	5.82	5.82	-	9.34	5.82
962	8000	5.83	5.83	-	8.2	5.83
992	8000	5.98	5.98	-	10.66	5.98
1022	8000	6.0	6.0	-	9.88	6.0
1052	8000	5.97	5.97	-	12.43	6.37
1082	8000	5.87	5.87	-	12.64	6.35
1112	6.02	6.02	6.02	-	7.1	6.02
1142	8000	6.02	6.02	-	18.01	6.02
1172	8000	6.04	6.04	-	12.39	6.04

**Tseitin grids, width: 4, no shuffle, no preprocessing  
no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
3	5.43	5.43	5.43	5.43	5.43	5.43
10	5.43	5.43	5.43	5.43	5.43	5.43
17	5.43	5.43	5.43	5.43	5.43	5.43
24	5.43	5.43	5.43	5.43	5.43	5.43
31	5.43	5.43	5.43	5.43	5.43	5.43
38	5.43	5.43	5.43	5.43	5.43	5.43
45	7.29	5.43	5.43	11.37	5.43	5.43
52	7.36	5.43	5.43	35.59	5.43	5.43
59	18.39	5.43	5.43	64.91	5.43	5.43
66	25.28	5.43	5.43	103.75	5.43	5.43
73	22.79	5.43	5.43	8000	5.43	5.43
80	31.71	5.43	5.43	8000	5.43	5.43
87	34.78	5.43	5.43	8000	5.43	5.43
94	36.77	5.43	5.43	-	5.43	5.43
101	8000	5.43	5.43	-	5.43	5.43
108	8000	5.43	5.43	-	5.43	5.43
115	8000	5.43	5.43	-	5.43	5.43
122	-	5.43	5.43	-	5.43	5.43
129	-	5.43	5.43	-	5.43	5.43
136	-	5.43	5.43	-	5.43	5.43
143	-	5.43	5.43	-	5.43	5.43
150	-	5.43	5.43	-	5.43	5.43
157	-	5.43	5.43	-	5.43	5.43
164	-	5.43	5.43	-	5.43	5.43
171	-	5.43	5.43	-	5.43	5.43
178	-	5.43	5.43	-	5.43	5.43
185	-	5.43	5.43	-	5.43	5.43
192	-	5.43	5.43	-	5.43	5.43
199	-	5.43	5.43	-	5.43	5.43
206	-	5.43	5.43	-	5.43	5.43
213	-	5.43	9.17	-	5.43	5.43
220	-	5.43	5.43	-	5.43	5.43
227	-	5.43	5.43	-	5.43	5.43
234	-	5.43	5.96	-	5.43	5.43
241	-	5.43	5.43	-	5.43	5.43
248	-	5.43	5.43	-	5.43	5.43
255	-	5.43	5.43	-	5.43	5.43
262	-	5.43	5.43	-	5.43	5.43
269	-	5.43	5.43	-	5.43	5.43
276	-	5.43	5.43	-	5.43	5.43

**Tseitin grids, width: 4, no shuffle, no preprocessing  
clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
3	5.43	5.43	5.43	5.43	5.43	5.43
10	5.43	5.43	5.43	5.43	5.43	5.43
17	5.43	5.43	5.43	5.43	5.43	5.43
24	5.43	5.43	5.43	5.43	5.43	5.43
31	5.43	5.43	5.43	5.43	5.43	5.43
38	5.43	5.43	5.43	5.43	5.43	5.43
45	5.43	5.43	5.43	5.43	5.43	5.43
52	5.43	5.43	5.43	5.43	5.43	5.43
59	5.43	5.43	5.43	5.43	5.43	5.43
66	5.43	5.43	5.43	5.43	5.43	5.43
73	5.43	5.43	5.43	5.43	5.43	5.43
80	5.43	5.43	5.43	5.43	5.43	5.43
87	5.43	5.43	5.43	8000	5.43	5.43
94	5.43	5.43	5.43	8000	5.43	5.43
101	5.43	5.43	5.43	8000	5.43	5.43
108	5.43	5.43	5.43	-	5.43	5.43
115	5.43	5.43	5.43	-	5.43	5.43
122	5.43	5.43	5.43	-	5.43	5.43
129	5.43	5.43	5.43	-	5.43	5.43
136	5.43	5.43	5.43	-	5.43	5.43
143	5.43	5.43	5.43	-	5.43	5.43
150	5.43	5.43	5.43	-	5.43	5.43
157	5.43	5.43	5.43	-	5.43	5.43
164	8000	5.43	5.43	-	5.43	5.43
171	8000	5.43	5.43	-	5.43	5.43
178	8000	5.43	5.43	-	5.43	5.43
185	8000	5.43	5.43	-	5.43	5.43
192	8000	5.43	5.43	-	5.43	5.43
199	-	5.43	5.43	-	5.43	5.43
206	-	5.43	5.43	-	5.43	5.43
213	-	5.43	5.43	-	5.43	5.43
220	-	5.43	5.43	-	5.43	5.43
227	-	5.43	5.43	-	5.43	5.43
234	-	5.43	5.43	-	5.43	5.43
241	-	5.43	5.43	-	5.43	5.43
248	-	5.43	5.43	-	5.43	5.43
255	-	5.43	5.43	-	5.43	5.43
262	-	5.43	5.43	-	5.43	5.43
269	-	5.43	5.43	-	5.43	5.43
276	-	5.43	5.43	-	5.43	5.43



**Tseitin grids, width: 4, shuffle, no preprocessing  
no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
3	5.43	5.43	5.43	5.43	5.43	5.43
10	5.43	5.43	5.43	5.43	5.43	5.43
17	5.43	5.43	5.43	5.43	5.43	5.43
24	5.43	5.43	5.43	5.43	5.43	5.43
31	5.43	5.43	5.43	5.43	5.43	5.43
38	5.43	5.43	5.43	5.43	5.43	5.43
45	5.43	5.43	5.43	11.29	5.43	5.43
52	9.87	5.43	5.43	22.39	5.43	5.43
59	14.33	5.43	5.43	87.2	5.43	5.43
66	22.75	5.43	5.43	117.505	5.43	5.43
73	29.62	5.43	5.43	132.59	5.43	5.43
80	34.21	5.43	5.43	8000	5.43	5.43
87	34.58	5.43	5.43	8000	5.43	5.43
94	51.46	5.43	5.43	8000	5.43	5.43
101	8000	5.43	5.43	-	5.43	5.43
108	8000	5.43	5.43	-	5.43	5.43
115	8000	5.43	5.43	-	5.43	5.43
122	-	5.43	5.43	-	5.43	5.43
129	-	5.43	5.43	-	5.43	5.43
136	-	5.43	5.43	-	5.43	5.43
143	-	5.43	5.43	-	5.43	5.43
150	-	5.43	5.43	-	5.43	5.43
157	-	5.43	5.43	-	5.43	5.43
164	-	5.43	5.43	-	5.43	5.43
171	-	5.43	5.43	-	5.43	5.43
178	-	5.43	5.43	-	5.43	5.43
185	-	5.43	5.43	-	5.43	5.43
192	-	5.43	9.04	-	5.43	5.43
199	-	5.43	5.43	-	5.43	5.43
206	-	5.43	5.43	-	5.43	5.43
213	-	5.43	5.43	-	5.43	5.43
220	-	5.43	5.43	-	5.43	5.43
227	-	5.43	5.43	-	5.43	5.43
234	-	5.43	5.43	-	5.43	5.43
241	-	5.43	5.43	-	5.43	5.43
248	-	5.43	5.43	-	5.43	5.9
255	-	5.43	5.43	-	5.43	5.43
262	-	5.43	5.43	-	5.43	5.43
269	-	5.43	5.43	-	5.43	5.43
276	-	5.43	5.43	-	7.32	7.35

**Tseitin grids, width: 4, shuffle, no preprocessing  
clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
3	5.43	5.43	5.43	5.43	5.43	5.43
10	5.43	5.43	5.43	5.43	5.43	5.43
17	5.43	5.43	5.43	5.43	5.43	5.43
24	5.43	5.43	5.43	5.43	5.43	5.43
31	5.43	5.43	5.43	5.43	5.43	5.43
38	5.43	5.43	5.43	5.43	5.43	5.43
45	5.43	5.43	5.43	5.43	5.43	5.43
52	5.43	5.43	5.43	5.43	5.43	5.43
59	5.43	5.43	5.43	5.43	5.43	5.43
66	5.43	5.43	5.43	5.43	5.43	5.43
73	5.43	5.43	5.43	5.43	5.43	5.43
80	5.43	5.43	5.43	5.43	5.43	5.43
87	5.43	5.43	5.43	8000	5.43	5.43
94	5.43	5.43	5.43	8000	5.43	5.43
101	5.43	5.43	5.43	8000	5.43	5.43
108	5.43	5.43	5.43	-	5.43	5.43
115	5.43	5.43	5.43	-	5.43	5.43
122	5.43	5.43	5.43	-	5.43	5.43
129	5.43	5.43	5.43	-	5.43	5.43
136	5.43	5.43	5.43	-	5.43	5.43
143	5.43	5.43	5.43	-	5.43	5.43
150	5.43	5.43	5.43	-	5.43	5.43
157	5.43	5.43	5.43	-	5.43	5.43
164	8000	5.43	5.43	-	5.43	5.43
171	8000	5.43	5.43	-	5.43	5.43
178	8000	5.43	5.43	-	5.43	5.43
185	8000	5.43	5.43	-	5.43	5.43
192	-	5.43	5.43	-	5.43	5.43
199	-	5.43	5.43	-	5.43	5.43
206	-	5.43	5.43	-	5.43	5.43
213	-	5.43	5.43	-	5.43	5.43
220	-	5.43	5.43	-	5.43	5.43
227	-	5.43	5.43	-	5.43	5.43
234	-	5.43	5.43	-	5.43	5.43
241	-	5.43	5.43	-	5.43	5.43
248	-	5.43	5.43	-	5.43	5.43
255	-	5.43	5.43	-	5.43	5.43
262	-	5.43	5.43	-	5.43	5.43
269	-	5.43	5.43	-	5.43	5.43
276	-	5.43	5.43	-	5.43	5.43

**Tseitin grids, width: 4, no shuffle, preprocessing  
no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
3	5.44	5.44	5.44	5.44	5.44	5.44
10	5.44	5.44	5.44	5.44	5.44	5.44
17	5.44	5.44	5.44	5.44	5.44	5.44
24	5.44	5.44	5.44	5.44	5.44	5.44
31	5.44	5.44	5.44	5.44	5.44	5.44
38	5.44	5.44	5.44	5.44	5.44	5.44
45	5.44	5.44	5.44	5.44	5.44	5.44
52	5.44	5.44	5.44	6.49	5.44	5.44
59	8.94	5.44	5.44	22.45	5.44	5.44
66	25.32	5.44	5.44	117.59	5.44	5.44
73	34.99	5.44	5.44	8000	5.44	5.44
80	21.34	5.44	5.44	92.79	5.44	5.44
87	8000	5.44	5.44	8000	5.44	5.44
94	21.19	5.44	5.44	140.1	5.44	5.44
101	18.46	5.44	5.44	136.8	5.44	5.44
108	29.66	5.44	5.44	8000	5.44	5.44
115	8000	5.44	5.44	8000	5.44	5.44
122	8000	5.44	5.44	8000	5.44	5.44
129	8000	5.57	5.57	-	5.57	5.57
136	8000	5.57	5.57	-	5.57	5.57
143	8000	5.57	5.57	-	5.57	5.57
150	8000	5.57	5.57	-	5.57	5.57
157	-	5.57	5.57	-	5.57	5.57
164	-	5.57	5.57	-	5.57	5.57
171	-	5.57	5.57	-	5.57	5.57
178	-	5.57	5.57	-	5.57	5.57
185	-	5.57	5.57	-	5.57	5.57
192	-	5.57	5.57	-	5.57	5.57
199	-	5.57	5.57	-	5.57	5.57
206	-	5.57	5.57	-	5.57	5.57
213	-	5.57	5.57	-	5.57	5.57
220	-	5.57	5.57	-	5.57	5.57
227	-	5.57	5.57	-	5.57	5.57
234	-	5.57	5.57	-	5.57	5.57
241	-	5.57	5.57	-	5.57	5.57
248	-	5.57	5.57	-	5.57	5.57
255	-	5.57	5.57	-	5.57	5.57
262	-	5.57	5.57	-	5.57	5.57
269	-	5.57	5.57	-	5.57	5.57
276	-	5.57	5.57	-	5.57	5.57

**Tseitin grids, width: 4, no shuffle, preprocessing  
clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
3	5.44	5.44	5.44	5.44	5.44	5.44
10	5.44	5.44	5.44	5.44	5.44	5.44
17	5.44	5.44	5.44	5.44	5.44	5.44
24	5.44	5.44	5.44	5.44	5.44	5.44
31	5.44	5.44	5.44	5.44	5.44	5.44
38	5.44	5.44	5.44	5.44	5.44	5.44
45	5.44	5.44	5.44	5.44	5.44	5.44
52	5.44	5.44	5.44	5.44	5.44	5.44
59	5.44	5.44	5.44	5.44	5.44	5.44
66	5.44	5.44	5.44	5.44	5.44	5.44
73	5.44	5.44	5.44	5.44	5.44	5.44
80	5.44	5.44	5.44	5.44	5.44	5.44
87	5.44	5.44	5.44	8000	5.44	5.44
94	5.44	5.44	5.44	8000	5.44	5.44
101	5.44	5.44	5.44	8000	5.44	5.44
108	5.44	5.44	5.44	-	5.44	5.44
115	5.44	5.44	5.44	-	5.44	5.44
122	5.44	5.44	5.44	-	5.44	5.44
129	5.57	5.57	5.57	-	5.57	5.57
136	5.57	5.57	5.57	-	5.57	5.57
143	5.57	5.57	5.57	-	5.57	5.57
150	8000	5.57	5.57	-	5.57	5.57
157	8000	5.57	5.57	-	5.57	5.57
164	8000	5.57	5.57	-	5.57	5.57
171	-	5.57	5.57	-	5.57	5.57
178	-	5.57	5.57	-	5.57	5.57
185	-	5.57	5.57	-	5.57	5.57
192	-	5.57	5.57	-	5.57	5.57
199	-	5.57	5.57	-	5.57	5.57
206	-	5.57	5.57	-	5.57	5.57
213	-	5.57	5.57	-	5.57	5.57
220	-	5.57	5.57	-	5.57	5.57
227	-	5.57	5.57	-	5.57	5.57
234	-	5.57	5.57	-	5.57	5.57
241	-	5.57	5.57	-	5.57	5.57
248	-	5.57	5.57	-	5.57	5.57
255	-	5.57	5.57	-	5.57	5.57
262	-	5.57	5.57	-	5.57	5.57
269	-	5.57	5.57	-	7.0	5.57
276	-	5.57	5.57	-	5.57	5.57

**Tseitin grids, width: 4, shuffle, preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
3	5.44	5.44	5.44	5.44	5.44	5.44
10	5.44	5.44	5.44	5.44	5.44	5.44
17	5.44	5.44	5.44	5.44	5.44	5.44
24	5.44	5.44	5.44	5.44	5.44	5.44
31	5.44	5.44	5.44	5.44	5.44	5.44
38	5.44	5.44	5.44	5.44	5.44	5.44
45	10.12	5.44	5.44	15.64	5.44	5.44
52	5.44	5.44	5.44	9.26	5.44	5.44
59	9.93	5.44	5.44	24.71	5.44	5.44
66	25.32	5.44	5.44	94.1	5.44	5.44
73	13.77	5.44	5.44	56.95	5.44	5.44
80	35.58	5.44	5.44	8000	5.44	5.44
87	54.59	5.44	5.44	8000	5.44	5.44
94	44.54	5.44	5.44	8000	5.44	5.44
101	29.62	5.44	5.44	-	5.44	5.44
108	8000	5.44	5.44	-	5.44	5.44
115	8000	5.44	5.44	-	5.44	5.44
122	8000	5.44	5.44	-	5.44	5.44
129	69.68	5.57	5.57	-	5.57	5.57
136	8000	5.57	5.57	-	5.57	5.57
143	8000	5.57	5.57	-	5.57	5.57
150	8000	5.57	5.57	-	5.57	5.57
157	-	5.57	5.57	-	5.57	5.57
164	-	5.57	5.57	-	5.57	5.57
171	-	5.57	5.57	-	5.57	5.57
178	-	5.57	5.57	-	5.57	5.57
185	-	5.57	5.57	-	5.57	5.57
192	-	5.57	5.57	-	5.57	5.57
199	-	5.57	5.57	-	5.57	5.57
206	-	5.57	5.57	-	5.57	5.57
213	-	5.57	5.57	-	5.57	5.71
220	-	5.57	5.57	-	5.57	5.57
227	-	5.57	5.57	-	5.57	5.57
234	-	5.57	5.57	-	5.57	5.57
241	-	5.57	5.57	-	5.8	5.57
248	-	5.57	7.56	-	5.57	5.57
255	-	5.57	5.57	-	5.57	5.57
262	-	5.57	5.57	-	7.35	5.57
269	-	5.57	21.99	-	5.57	10.61
276	-	5.57	5.57	-	5.57	5.57

**Tseitin grids, width: 4, shuffle, preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
3	5.44	5.44	5.44	5.44	5.44	5.44
10	5.44	5.44	5.44	5.44	5.44	5.44
17	5.44	5.44	5.44	5.44	5.44	5.44
24	5.44	5.44	5.44	5.44	5.44	5.44
31	5.44	5.44	5.44	5.44	5.44	5.44
38	5.44	5.44	5.44	5.44	5.44	5.44
45	5.44	5.44	5.44	5.44	5.44	5.44
52	5.44	5.44	5.44	5.44	5.44	5.44
59	5.44	5.44	5.44	5.44	5.44	5.44
66	5.44	5.44	5.44	5.44	5.44	5.44
73	5.44	5.44	5.44	5.44	5.44	5.44
80	5.44	5.44	5.44	5.44	5.44	5.44
87	5.44	5.44	5.44	8000	5.44	5.44
94	5.44	5.44	5.44	5.44	5.44	5.44
101	5.44	5.44	5.44	8000	5.44	5.44
108	5.44	5.44	5.44	8000	5.44	5.44
115	5.44	5.44	5.44	8000	5.44	5.44
122	5.44	5.44	5.44	-	5.44	5.44
129	5.57	5.57	5.57	-	5.57	5.57
136	8000	5.57	5.57	-	5.57	5.57
143	5.57	5.57	5.57	-	5.57	5.57
150	8000	5.57	5.57	-	5.57	5.57
157	8000	5.57	5.57	-	5.57	5.57
164	8000	5.57	5.57	-	5.57	5.57
171	-	5.57	5.57	-	5.57	5.57
178	-	5.57	5.57	-	5.57	5.57
185	-	5.57	5.57	-	5.57	5.57
192	-	5.57	5.57	-	5.57	5.57
199	-	5.57	5.57	-	5.57	5.57
206	-	5.57	5.57	-	5.57	5.57
213	-	5.57	5.57	-	5.57	5.57
220	-	5.57	5.57	-	5.57	5.57
227	-	5.57	5.57	-	5.57	5.57
234	-	5.57	5.57	-	5.57	5.57
241	-	5.57	5.57	-	5.57	5.57
248	-	5.57	5.57	-	5.57	5.57
255	-	5.57	5.57	-	5.57	5.57
262	-	5.57	5.57	-	5.57	5.57
269	-	5.57	5.57	-	5.57	5.57
276	-	5.57	5.57	-	6.54	5.57

**Tseitin grids, width: 5, no shuffle, no preprocessing  
no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
4	5.43	5.43	5.43	5.43	5.43	5.43
13	5.43	5.43	5.43	5.43	5.43	5.43
22	5.43	5.43	5.43	5.43	5.43	5.43
31	5.43	5.43	5.43	5.43	5.43	5.43
40	12.09	5.43	5.43	5.43	5.43	5.43
49	36.16	5.43	5.43	47.7	5.43	5.43
58	8000	5.43	5.43	8000	5.43	5.43
67	8000	5.43	5.43	8000	5.43	5.43
76	8000	5.43	5.43	8000	5.43	5.43
85	8000	5.43	5.43	-	5.43	5.43
94	-	5.43	5.43	-	5.43	5.43
103	-	5.43	5.43	-	5.43	5.43
112	-	5.43	5.43	-	5.43	5.43
121	-	5.43	5.43	-	5.43	5.43
130	-	5.43	5.43	-	5.43	5.43
139	-	5.43	5.43	-	5.43	5.43
148	-	5.43	5.43	-	5.43	6.37
157	-	5.43	5.43	-	5.7	5.43
166	-	5.43	5.43	-	6.33	5.73
175	-	5.43	5.43	-	5.43	5.43
184	-	5.43	5.43	-	5.43	5.43
193	-	5.43	6.03	-	6.34	5.9
202	-	7.78	5.43	-	7.33	7.36
211	-	5.64	5.89	-	7.35	5.43
220	-	7.85	6.58	-	10.2	7.52
229	-	7.71	6.66	-	10.25	7.31
238	-	9.37	5.88	-	7.3	5.7
247	-	7.86	5.91	-	12.8	13.05
256	-	7.82	10.27	-	10.25	10.56
265	-	7.75	5.43	-	10.2	7.35
274	-	11.96	11.19	-	12.98	10.34
283	-	7.75	7.54	-	17.19	8.77
292	-	14.6	6.28	-	14.43	10.48
301	-	11.98	11.35	-	17.1	10.38
310	-	11.94	7.66	-	17.12	10.5
319	-	11.96	7.64	-	17.15	10.5
328	-	13.35	18.08	-	18.0	10.16
337	-	11.96	11.92	-	17.2	17.36
346	-	18.83	7.68	-	17.16	17.27
355	-	15.03	11.62	-	17.18	10.54

**Tseitin grids, width: 5, no shuffle, no preprocessing  
clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
4	5.43	5.43	5.43	5.43	5.43	5.43
13	5.43	5.43	5.43	5.43	5.43	5.43
22	5.43	5.43	5.43	5.43	5.43	5.43
31	5.43	5.43	5.43	5.43	5.43	5.43
40	5.43	5.43	5.43	5.43	5.43	5.43
49	5.43	5.43	5.43	5.43	5.43	5.43
58	5.43	5.43	5.43	5.43	5.43	5.43
67	5.43	5.43	5.43	5.43	5.43	5.43
76	5.43	5.43	5.43	8000	5.43	5.43
85	5.43	5.43	5.43	8000	5.43	5.43
94	8000	5.43	5.43	8000	5.43	5.43
103	8000	5.43	5.43	8000	5.43	5.43
112	8000	5.43	5.43	-	5.43	5.43
121	-	5.43	5.43	-	5.43	5.43
130	-	5.43	5.43	-	5.43	5.43
139	-	5.43	5.43	-	5.43	5.43
148	-	5.43	5.43	-	5.43	5.43
157	-	5.43	5.43	-	5.43	5.43
166	-	5.43	5.43	-	5.43	5.43
175	-	5.43	5.43	-	5.53	5.43
184	-	5.43	5.43	-	5.47	5.43
193	-	8000	5.43	-	6.39	5.43
202	-	5.43	5.43	-	6.52	5.43
211	-	5.43	5.43	-	9.17	5.43
220	-	8000	5.43	-	8.88	5.43
229	-	8000	5.43	-	11.14	5.43
238	-	8000	5.43	-	10.3	5.95
247	-	-	5.43	-	9.96	7.18
256	-	-	5.43	-	9.88	6.91
265	-	-	5.43	-	14.55	7.65
274	-	-	5.43	-	18.15	7.42
283	-	-	5.43	-	18.62	9.73
292	-	-	5.43	-	20.78	10.45
301	-	-	5.43	-	15.84	9.64
310	-	-	5.43	-	22.08	8.29
319	-	-	5.43	-	24.34	16.18
328	-	-	5.43	-	26.12	12.75
337	-	-	5.43	-	25.03	15.51
346	-	-	5.43	-	33.41	12.56
355	-	-	5.43	-	37.58	18.92



**Tseitin grids, width: 5, shuffle, no preprocessing  
no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
4	5.43	5.43	5.43	5.43	5.43	5.43
13	5.43	5.43	5.43	5.43	5.43	5.43
22	5.43	5.43	5.43	5.43	5.43	5.43
31	5.43	5.43	5.43	5.43	5.43	5.43
40	11.75	5.43	5.43	5.43	5.43	5.43
49	35.9	5.43	5.43	47.12	5.43	5.43
58	8000	5.43	5.43	8000	5.43	5.43
67	8000	5.43	5.43	8000	5.43	5.43
76	8000	5.43	5.43	8000	5.43	5.43
85	-	5.43	5.43	-	5.43	5.43
94	-	5.43	5.43	-	5.43	5.43
103	-	5.43	5.43	-	5.43	5.43
112	-	5.43	5.43	-	5.43	5.43
121	-	5.43	5.43	-	5.43	5.43
130	-	5.43	5.43	-	5.43	5.43
139	-	5.43	5.43	-	5.43	5.43
148	-	5.43	5.43	-	5.43	5.43
157	-	5.43	5.43	-	5.43	5.43
166	-	5.43	5.43	-	5.43	5.43
175	-	5.43	5.43	-	7.3	5.43
184	-	5.43	5.43	-	5.43	5.43
193	-	5.88	5.43	-	7.31	6.34
202	-	5.43	7.01	-	7.33	7.31
211	-	5.43	5.43	-	7.34	7.37
220	-	7.81	9.36	-	7.32	6.34
229	-	8.46	5.43	-	10.25	5.43
238	-	7.86	5.43	-	7.32	5.43
247	-	7.89	7.59	-	7.32	5.43
256	-	7.71	7.59	-	10.29	10.45
265	-	9.32	5.43	-	12.85	10.59
274	-	11.92	13.52	-	10.18	13.33
283	-	10.32	7.59	-	14.51	13.2
292	-	11.97	9.6	-	17.09	10.48
301	-	11.96	11.14	-	17.09	10.56
310	-	11.97	7.92	-	17.12	10.57
319	-	11.95	11.43	-	17.12	14.65
328	-	11.96	7.64	-	17.09	10.66
337	-	11.95	7.39	-	17.08	10.39
346	-	15.13	13.85	-	17.13	17.37
355	-	18.81	11.64	-	17.21	10.58

**Tseitin grids, width: 5, shuffle, no preprocessing  
clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
4	5.43	5.43	5.43	5.43	5.43	5.43
13	5.43	5.43	5.43	5.43	5.43	5.43
22	5.43	5.43	5.43	5.43	5.43	5.43
31	5.43	5.43	5.43	5.43	5.43	5.43
40	5.43	5.43	5.43	5.43	5.43	5.43
49	5.43	5.43	5.43	5.43	5.43	5.43
58	5.43	5.43	5.43	5.43	5.43	5.43
67	5.43	5.43	5.43	5.43	5.43	5.43
76	5.43	5.43	5.43	8000	5.43	5.43
85	5.43	5.43	5.43	8000	5.43	5.43
94	8000	5.43	5.43	8000	5.43	5.43
103	8000	5.43	5.43	-	5.43	5.43
112	8000	5.43	5.43	-	5.43	5.43
121	-	5.43	5.43	-	5.43	5.43
130	-	5.43	5.43	-	5.43	5.43
139	-	5.43	5.43	-	5.43	5.43
148	-	5.43	5.43	-	5.43	5.43
157	-	5.43	5.43	-	5.43	5.43
166	-	5.43	5.43	-	5.43	5.43
175	-	5.43	5.43	-	5.43	5.43
184	-	5.43	5.43	-	5.44	5.43
193	-	5.43	5.43	-	5.68	5.43
202	-	5.43	5.43	-	6.37	5.43
211	-	5.43	5.43	-	8.18	5.43
220	-	5.43	5.43	-	9.33	5.52
229	-	8000	5.43	-	9.0	6.29
238	-	8000	5.43	-	12.01	5.9
247	-	8000	5.43	-	11.33	7.29
256	-	8000	5.43	-	12.64	7.68
265	-	8000	5.43	-	13.97	8.14
274	-	-	5.43	-	17.89	8.86
283	-	-	5.43	-	12.08	9.03
292	-	-	5.43	-	19.97	7.87
301	-	-	5.43	-	17.57	10.62
310	-	-	5.43	-	18.74	13.29
319	-	-	5.43	-	22.99	13.32
328	-	-	8000	-	28.0	13.61
337	-	-	5.43	-	25.23	10.08
346	-	-	5.43	-	33.39	18.14
355	-	-	5.43	-	24.06	17.14

**Tseitin grids, width: 5, no shuffle, preprocessing  
no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
4	5.44	5.44	5.44	5.44	5.44	5.44
13	5.44	5.44	5.44	5.44	5.44	5.44
22	5.44	5.44	5.44	5.44	5.44	5.44
31	5.44	5.44	5.44	5.44	5.44	5.44
40	22.19	5.44	5.44	5.44	5.44	5.44
49	36.47	5.44	5.44	22.03	5.44	5.44
58	8000	5.44	5.44	8000	5.44	5.44
67	8000	5.44	5.44	8000	5.44	5.44
76	8000	5.44	5.44	8000	5.44	5.44
85	-	5.44	5.44	-	5.44	5.44
94	-	5.44	5.44	-	5.44	5.44
103	-	5.44	5.44	-	5.44	5.44
112	-	5.44	5.44	-	5.44	5.44
121	-	5.44	5.44	-	5.44	5.44
130	-	5.57	5.57	-	5.57	5.57
139	-	5.57	5.57	-	5.57	5.57
148	-	5.57	5.89	-	5.57	13.39
157	-	5.57	7.43	-	5.57	5.57
166	-	5.57	5.57	-	5.71	5.57
175	-	5.57	11.56	-	5.57	5.57
184	-	5.57	5.92	-	7.3	5.57
193	-	5.57	5.57	-	7.32	13.38
202	-	5.57	7.58	-	6.35	18.07
211	-	7.83	10.97	-	7.35	7.3
220	-	7.62	13.64	-	7.33	5.57
229	-	7.75	13.61	-	7.34	13.26
238	-	7.73	7.58	-	10.23	7.45
247	-	9.31	8.8	-	10.32	14.61
256	-	7.62	7.55	-	10.31	17.02
265	-	9.27	17.8	-	10.3	14.7
274	-	11.9	7.98	-	10.47	10.58
283	-	11.95	11.11	-	10.34	17.33
292	-	11.95	15.11	-	10.29	17.25
301	-	11.92	13.84	-	17.12	9.09
310	-	11.95	11.0	-	17.16	17.17
319	-	11.83	18.07	-	17.1	17.07
328	-	13.09	30.34	-	17.17	17.32
337	-	18.52	29.21	-	21.43	17.34
346	-	11.7	17.98	-	17.12	10.52
355	-	11.75	29.39	-	21.42	42.47

**Tseitin grids, width: 5, no shuffle, preprocessing  
clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
4	5.44	5.44	5.44	5.44	5.44	5.44
13	5.44	5.44	5.44	5.44	5.44	5.44
22	5.44	5.44	5.44	5.44	5.44	5.44
31	5.44	5.44	5.44	5.44	5.44	5.44
40	5.44	5.44	5.44	5.44	5.44	5.44
49	5.44	5.44	5.44	5.44	5.44	5.44
58	5.44	5.44	5.44	5.44	5.44	5.44
67	5.44	5.44	5.44	5.44	5.44	5.44
76	5.44	5.44	5.44	5.44	5.44	5.44
85	5.44	5.44	5.44	8000	5.44	5.44
94	8000	5.44	5.44	8000	5.44	5.44
103	8000	5.44	5.44	8000	5.44	5.44
112	8000	5.44	5.44	-	5.44	5.44
121	-	5.44	5.44	-	5.44	5.44
130	-	5.57	5.57	-	5.57	5.57
139	-	5.57	5.57	-	5.57	5.57
148	-	5.57	5.57	-	5.57	5.57
157	-	5.57	5.57	-	5.57	5.57
166	-	5.57	8000	-	5.57	5.57
175	-	8000	5.57	-	6.45	5.57
184	-	8000	8000	-	5.79	5.57
193	-	8000	5.57	-	7.33	5.57
202	-	5.57	8000	-	6.32	5.57
211	-	8000	5.57	-	10.79	7.52
220	-	8000	8000	-	10.41	5.57
229	-	8000	8000	-	11.17	6.78
238	-	-	5.57	-	12.07	7.27
247	-	-	8000	-	14.88	7.38
256	-	-	8000	-	16.4	10.2
265	-	-	8000	-	15.88	7.32
274	-	-	-	-	20.24	10.26
283	-	-	-	-	22.41	9.05
292	-	-	-	-	25.0	10.34
301	-	-	-	-	23.27	13.51
310	-	-	-	-	25.93	14.89
319	-	-	-	-	31.2	14.18
328	-	-	-	-	30.25	18.09
337	-	-	-	-	8000	18.06
346	-	-	-	-	8000	16.49
355	-	-	-	-	8000	17.7

**Tseitin grids, width: 5, shuffle, preprocessing, no clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
4	5.44	5.44	5.44	5.44	5.44	5.44
13	5.44	5.44	5.44	5.44	5.44	5.44
22	5.44	5.44	5.44	5.44	5.44	5.44
31	5.44	5.44	5.44	5.44	5.44	5.44
40	22.44	5.44	5.44	5.44	5.44	5.44
49	8000	5.44	5.44	11.79	5.44	5.44
58	8000	5.44	5.44	8000	5.44	5.44
67	8000	5.44	5.44	8000	5.44	5.44
76	-	5.44	5.44	8000	5.44	5.44
85	-	5.44	5.44	-	5.44	5.44
94	-	5.44	5.44	-	5.44	5.44
103	-	5.44	5.44	-	5.44	5.86
112	-	5.44	5.44	-	5.44	5.44
121	-	5.57	5.57	-	5.57	5.57
130	-	5.57	5.57	-	5.57	6.0
139	-	5.57	5.57	-	5.57	5.57
148	-	5.57	5.57	-	5.57	5.57
157	-	5.57	13.03	-	5.57	7.33
166	-	5.57	5.98	-	6.35	5.82
175	-	5.57	5.57	-	5.57	5.57
184	-	5.57	11.09	-	7.3	7.39
193	-	5.75	5.58	-	7.0	8.63
202	-	5.57	13.24	-	7.32	10.98
211	-	5.57	13.69	-	6.3	13.33
220	-	7.7	8.83	-	7.32	12.82
229	-	7.7	7.64	-	10.31	8.04
238	-	6.21	7.64	-	7.32	5.57
247	-	7.66	7.84	-	7.32	12.1
256	-	9.23	10.94	-	10.39	13.05
265	-	10.34	17.99	-	10.36	14.53
274	-	11.62	7.58	-	11.17	11.17
283	-	11.61	11.11	-	18.04	11.17
292	-	11.77	7.65	-	17.09	11.18
301	-	11.91	11.18	-	11.14	11.2
310	-	11.89	13.59	-	11.15	18.1
319	-	12.62	18.02	-	17.12	22.41
328	-	11.92	11.36	-	17.11	10.38
337	-	11.91	17.88	-	17.09	17.3
346	-	15.88	15.34	-	22.36	20.38
355	-	18.63	18.06	-	18.06	18.1

**Tseitin grids, width: 5, shuffle, preprocessing, clause removal  
memory consumption expressed in megabytes**

Num variables	ASAP random	ASAP mixed	ASAP VSIDS	Luby random	Luby mixed	Luby VSIDS
4	5.44	5.44	5.44	5.44	5.44	5.44
13	5.44	5.44	5.44	5.44	5.44	5.44
22	5.44	5.44	5.44	5.44	5.44	5.44
31	5.44	5.44	5.44	5.44	5.44	5.44
40	5.44	5.44	5.44	5.44	5.44	5.44
49	5.44	5.44	5.44	5.44	5.44	5.44
58	5.44	5.44	5.44	5.44	5.44	5.44
67	5.44	5.44	5.44	5.44	5.44	5.44
76	5.44	5.44	5.44	5.44	5.44	5.44
85	5.44	5.44	5.44	8000	5.44	5.44
94	8000	5.44	5.44	8000	5.44	5.44
103	8000	5.44	5.44	8000	5.44	5.44
112	8000	5.44	5.44	-	5.44	5.44
121	-	5.57	5.57	-	5.57	5.57
130	-	5.57	5.57	-	5.57	5.57
139	-	5.57	5.57	-	5.57	5.57
148	-	5.57	5.57	-	5.57	5.57
157	-	5.57	5.57	-	5.57	5.57
166	-	8000	5.57	-	5.57	5.57
175	-	5.57	5.57	-	5.57	5.57
184	-	8000	5.57	-	6.29	5.57
193	-	8000	5.57	-	7.69	5.57
202	-	8000	5.57	-	9.58	5.86
211	-	8000	8000	-	8.53	5.57
220	-	8000	8000	-	10.2	5.84
229	-	-	8000	-	10.84	6.37
238	-	-	-	-	10.14	5.61
247	-	-	-	-	14.93	9.86
256	-	-	-	-	15.45	8.02
265	-	-	-	-	18.35	7.59
274	-	-	-	-	16.72	11.81
283	-	-	-	-	17.92	11.52
292	-	-	-	-	24.48	12.77
301	-	-	-	-	26.21	10.2
310	-	-	-	-	28.35	12.44
319	-	-	-	-	29.47	14.28
328	-	-	-	-	25.435	13.13
337	-	-	-	-	32.57	18.77
346	-	-	-	-	8000	20.48
355	-	-	-	-	8000	21.0