

Instance	mode 0		mode 2 for various values of the pair of parameters (B,T)														max speed-up						
	Max V	(6,4)	(6,5)	(6,6)	(6,7)	(6,8)	(6,10)	(7,5)	(7,6)	(7,7)	(7,8)	(8,4)	(8,6)	(8,7)	(8,8)	(8,10)	(10,4)	(10,6)	(10,8)	(10,10)	speed-up	max	
BMS_k3_n100_m429_13	75	25.70	24.53	25.91	37.46	68.26	258.13	36.02	39.30	61.22	116.88	59.56	65.52	106.84	208.53	833.25	171.47	190.67	641.36	—	—	—	3.2
100 variables	80	16.88	14.42	13.59	18.15	31.90	119.27	18.13	19.03	28.55	53.72	28.47	30.07	47.79	92.77	370.41	80.77	89.57	296.99	1204.27	—	—	—
302 clauses	85	14.44	10.50	8.38	8.49	11.98	40.18	10.20	9.01	10.76	18.30	13.86	11.54	16.39	30.26	118.72	25.54	26.79	85.38	345.82	—	—	—
from SATLIB	90	16.46	11.26	8.02	6.34	6.61	14.96	10.36	7.49	6.27	6.68	11.63	6.41	6.56	9.54	32.90	11.83	9.30	23.31	92.09	—	—	—
	95	23.53	14.97	8.75	6.62	6.19	9.47	12.56	8.67	6.30	6.23	15.99	7.31	6.29	6.26	14.52	11.62	6.80	8.38	27.82	—	—	—
	100	93.26	72.86	52.67	43.89	44.13	83.31	69.47	52.34	43.76	45.00	89.73	48.88	42.05	44.88	92.46	74.89	44.68	42.69	103.28	—	—	—
BMS_k3_n100_m429_37	75	17.53	15.93	15.98	20.97	35.85	130.66	20.56	21.42	31.61	58.55	29.92	31.27	49.63	95.62	380.31	70.11	77.33	259.16	1050.71	—	—	2.0
100 variables	80	14.55	12.57	11.51	13.97	21.87	75.12	14.32	14.65	20.23	35.39	21.30	21.24	31.91	59.79	235.04	48.98	53.52	175.92	712.39	—	—	—
303 clauses	85	14.38	11.20	9.29	8.81	11.67	33.39	9.92	8.53	10.24	15.79	12.33	10.62	14.38	24.85	93.45	24.32	25.49	79.22	319.32	—	—	—
from SATLIB	90	12.04	8.71	7.63	6.29	6.49	14.50	7.97	6.21	6.03	7.52	8.70	5.69	6.39	8.91	31.07	7.69	6.97	17.73	70.93	—	—	—
	95	11.73	10.85	9.77	9.03	6.72	10.66	8.27	7.96	5.45	5.77	8.30	5.45	5.40	5.25	15.17	8.50	5.41	8.77	31.52	—	—	—
	100	110.11	103.18	72.42	60.52	50.46	78.14	81.22	59.52	52.56	49.53	89.61	53.67	47.38	49.42	99.41	90.80	57.61	52.52	112.98	—	—	—
RTI_k3_n100_m429_140	75	34.50	34.51	37.31	52.90	94.09	347.99	47.45	51.82	78.26	145.78	69.73	76.56	121.24	232.02	913.56	171.27	189.02	624.04	—	—	—	4.6
100 variables	80	28.63	28.24	30.60	44.11	80.28	303.68	40.00	43.99	67.37	127.71	59.76	66.02	105.09	203.74	810.68	147.30	163.48	538.37	—	—	—	—
429 clauses	85	14.36	13.46	14.11	19.77	35.64	136.39	18.80	20.36	30.62	58.23	28.58	31.43	49.73	97.03	388.29	74.58	83.07	272.03	1103.54	—	—	—
from SATLIB	90	8.27	6.20	5.16	5.99	9.66	36.61	6.21	5.92	8.27	15.35	9.04	8.87	13.59	26.29	105.48	21.82	24.13	77.66	315.15	—	—	—
	95	6.65	4.99	3.55	3.06	2.84	8.07	3.92	3.38	2.68	3.57	4.14	2.49	3.05	5.26	20.50	5.27	4.74	13.50	54.78	—	—	—
	100	13.33	9.44	6.39	4.52	4.16	7.07	6.41	4.09	3.86	3.54	6.82	4.68	3.42	3.89	11.72	7.10	4.46	8.05	30.52	—	—	—
RTI_k3_n100_m429_483	75	38.40	38.38	41.57	59.70	107.49	398.05	57.25	62.66	96.26	180.90	91.99	101.22	162.88	314.80	1247.31	266.55	294.89	983.87	—	—	—	4.3
100 variables	80	34.32	34.25	37.35	54.31	99.42	374.88	51.84	57.07	88.11	167.55	83.71	92.67	149.02	290.08	1155.66	244.49	271.80	902.19	—	—	—	—
429 clauses	85	19.77	19.31	21.02	30.44	55.97	212.73	28.97	31.97	49.06	93.66	45.67	50.69	80.86	157.78	629.86	135.81	151.52	499.37	—	—	—	—
from SATLIB	90	10.43	8.55	7.81	10.42	18.85	71.89	10.21	10.61	15.79	30.09	15.15	15.86	24.93	48.55	194.01	38.51	42.95	139.43	565.37	—	—	—
	95	6.67	5.38	4.15	3.94	5.16	15.62	4.61	3.91	4.37	6.72	6.14	4.85	6.12	11.13	43.64	9.86	9.61	29.76	120.79	—	—	—
	100	7.34	5.29	3.34	2.63	2.50	5.50	3.97	2.93	2.46	2.87	5.71	2.95	3.01	3.68	10.47	5.65	3.90	6.54	23.88	—	—	—

Table 1: Excerpt of the experimental results for satisfiable instances (timings are in seconds, ‘-’ stands for timeout expiration)

Instance	mode 0	mode 2 for various values of the pair of parameters (B,T)																		max speed-up		
		MaxV	(6,4)	(6,5)	(6,6)	(6,7)	(6,8)	(6,10)	(7,5)	(7,6)	(7,7)	(7,8)	(8,4)	(8,6)	(8,7)	(8,8)	(8,10)	(10,4)	(10,6)		(10,8)	(10,10)
marg3x3add8.shuffled-as.sat03-1449	1242.68	20	<b>93.63</b>	<b>93.63</b>	108.16	193.14	410.03	1535.45	150.50	174.34	313.77	638.98	159.13	177.36	328.21	659.54	-	347.68	386.52	1448.24	-	<b>88.3</b>
41 variables		25	48.49	32.78	<b>27.48</b>	41.31	87.59	330.55	43.75	43.28	76.46	155.47	78.40	77.53	139.38	278.79	1114.47	191.31	216.93	815.42	-	-
224 clauses		30	50.71	26.89	<b>16.52</b>	16.77	24.12	62.75	26.94	18.64	21.40	33.50	56.89	24.33	29.19	51.89	207.99	66.36	46.68	170.89	688.67	-
from SAT-challenge12		35	51.19	27.95	16.96	<b>14.07</b>	16.13	22.13	32.70	19.81	17.03	19.00	61.01	19.09	17.93	21.64	48.02	72.18	25.93	41.05	147.27	-
		40	-	34.79	-	<b>17.32</b>	17.42	-	36.50	21.50	17.93	18.48	-	-	17.71	17.81	19.24	-	-	-	-	-
		45	-	37.92	-	18.13	-	-	36.04	21.50	<b>17.91</b>	17.54	-	-	18.62	-	-	-	-	-	-	-
marg3x3add8ch.shuffled-as.sat03-1448	1751.00	20	<b>67.94</b>	<b>67.92</b>	78.85	139.68	297.24	1084.02	86.19	93.32	156.62	296.40	74.00	80.21	138.23	267.85	1019.32	176.11	193.83	713.52	-	<b>92.7</b>
41 variables		25	46.97	28.10	<b>21.38</b>	27.96	54.07	197.37	34.26	29.46	46.29	94.11	60.20	47.34	84.19	170.00	674.43	114.21	130.36	486.61	-	-
272 clauses		30	54.63	30.03	<b>20.05</b>	19.93	28.11	74.85	31.75	21.72	24.46	38.70	56.77	26.73	35.68	64.97	257.73	77.04	61.36	222.05	895.62	-
from SAT03		35	69.41	36.68	22.12	<b>18.88</b>	21.30	22.83	38.49	23.06	19.97	21.40	68.77	22.96	20.78	22.67	38.15	69.76	25.49	35.24	104.25	-
		40	-	47.17	-	21.76	-	-	45.21	25.49	<b>21.23</b>	21.78	-	-	21.57	-	-	-	-	-	-	-
		45	-	48.73	-	22.33	-	-	47.83	26.70	22.42	22.79	-	-	<b>21.87</b>	-	-	-	-	-	-	-
battleship-6-8-unsat	2.26	20	1.19	1.09	1.09	1.44	2.85	9.02	<b>1.05</b>	1.09	1.76	3.25	1.20	1.28	2.08	3.79	14.19	1.40	1.52	4.98	19.88	<b>7.1</b>
40 variables		25	1.26	0.97	0.73	0.64	1.04	3.03	0.70	<b>0.53</b>	0.66	1.16	0.76	0.54	0.81	1.44	5.34	0.73	0.60	1.96	7.59	-
105 clauses		30	1.49	1.15	0.80	0.51	0.56	1.01	0.79	0.48	0.44	0.52	<b>0.78</b>	<b>0.41</b>	0.42	0.53	1.58	0.69	0.45	0.66	2.23	-
from SAT11		35	1.80	1.36	0.94	0.55	0.52	0.55	0.93	0.53	0.45	0.40	0.91	0.44	0.38	<b>0.36</b>	0.66	0.71	0.44	0.42	0.86	-
		40	1.78	1.33	0.91	0.55	0.52	0.44	0.88	0.50	0.43	0.39	0.86	0.40	0.35	<b>0.32</b>	0.46	0.79	0.49	0.34	0.59	-
battleship-6-9-unsat	69.38	25	43.79	29.73	23.54	26.66	48.67	136.83	26.67	21.99	27.69	49.31	26.77	<b>21.89</b>	35.94	67.56	249.58	28.70	31.29	103.08	401.28	<b>6.2</b>
54 variables		30	53.56	32.43	26.45	22.95	26.20	50.38	26.29	21.19	19.93	25.37	27.06	<b>16.70</b>	18.24	28.22	96.60	21.70	13.34	40.41	153.04	-
171 clauses		35	44.81	34.08	27.00	21.64	20.59	27.16	27.15	21.10	16.91	15.87	27.95	15.36	12.96	15.20	38.46	23.08	<b>12.20</b>	18.20	54.79	-
from SAT-challenge12		40	53.41	37.79	29.36	22.21	18.03	18.32	29.60	21.79	16.02	14.94	30.13	15.15	13.42	<b>13.00</b>	20.88	27.78	13.81	13.63	25.61	-
		45	63.71	41.71	31.93	22.99	20.56	16.38	32.50	23.06	19.07	16.81	33.28	19.08	15.43	13.22	16.45	21.23	11.83	<b>11.58</b>	18.21	-
		50	83.34	50.48	37.94	30.11	24.25	16.39	39.50	31.70	25.04	19.55	46.50	26.08	19.46	15.29	17.21	25.15	12.53	<b>11.33</b>	16.42	-
		55	88.11	51.18	42.24	34.08	29.53	17.92	40.91	32.56	25.18	21.01	40.60	24.54	19.41	15.45	16.17	27.18	13.07	<b>11.23</b>	15.83	-
unif-k5-r21.3-v50-c1066-s1449708927-022	220.92	25	<b>256.02</b>	257.75	263.15	315.49	438.20	1190.76	272.28	282.78	357.36	527.54	295.63	309.08	413.13	642.90	-	363.78	387.45	975.24	-	<b>12.9</b>
50 variables		30	<b>294.54</b>	294.47	318.30	463.41	819.35	-	373.62	410.62	639.49	1180.10	486.32	540.28	888.61	1683.11	-	853.38	959.71	-	-	-
1065 clauses		35	148.44	<b>144.88</b>	158.64	242.77	451.80	1721.90	202.31	225.81	367.35	704.42	298.23	336.17	570.34	1112.55	-	681.19	774.98	-	-	-
from SAT11		40	83.96	66.58	<b>58.33</b>	76.03	136.40	518.68	72.65	72.58	110.92	211.88	101.89	103.12	171.73	336.45	1347.09	222.19	250.41	873.28	-	-
		45	73.62	53.15	38.76	<b>33.76</b>	37.78	93.43	52.45	39.34	37.61	47.68	72.29	42.08	44.41	68.16	248.26	84.21	63.54	177.07	711.86	-
		50	43.52	28.47	20.20	<b>17.17</b>	18.40	30.02	29.28	20.93	18.11	20.50	44.69	22.48	20.29	22.28	43.35	55.96	29.41	32.75	81.94	-
unif-k5-r21.3-v50-c1065-s370067727-038	213.95	25	248.27	<b>248.14</b>	257.05	307.15	428.48	1173.81	263.75	272.18	341.87	508.95	278.80	291.69	387.06	599.77	1891.15	320.68	339.70	813.22	-	<b>11.4</b>
50 variables		30	291.60	<b>291.53</b>	314.92	457.15	805.43	-	367.24	403.44	626.62	1154.31	478.68	531.67	872.83	1652.24	-	832.97	936.77	-	-	-
1065 clauses		35	149.95	<b>145.69</b>	158.88	241.28	446.85	1698.88	201.92	225.19	364.19	696.14	294.14	331.24	559.44	1089.10	-	656.93	747.02	-	-	-
from SAT11		40	85.01	67.30	<b>59.19</b>	75.55	132.73	505.21	71.48	70.87	107.34	203.69	99.29	99.44	164.39	321.47	1285.18	215.93	242.58	843.62	-	-
		45	73.01	53.21	39.05	<b>34.51</b>	37.78	97.15	49.96	38.41	36.80	47.80	66.20	40.24	43.77	68.22	250.02	77.22	59.96	167.26	671.35	-
		50	50.25	38.30	23.66	19.95	18.94	31.45	31.63	21.80	<b>18.85</b>	20.93	47.41	24.34	21.23	23.69	47.33	59.81	31.54	34.91	87.85	-
sgeni-unsat-61-100	440.49	35	451.14	358.84	<b>306.22</b>	387.76	658.63	-	358.77	338.91	509.34	943.98	460.46	428.57	713.31	1368.89	-	716.91	772.03	-	-	<b>7.8</b>
61 variables		40	433.11	331.35	249.24	229.12	275.48	811.84	285.95	<b>224.39</b>	240.26	351.67	339.61	224.77	287.80	486.84	1834.95	356.95	315.04	1018.68	-	-
132 clauses		45	366.31	272.67	200.58	169.02	160.04	296.36	234.08	176.71	<b>156.30</b>	164.17	271.23	163.56	156.34	188.18	549.15	245.26	164.51	331.46	1234.65	-
from SAT-challenge12		50	307.81	233.12	168.73	136.66	116.66	170.99	198.05	143.87	116.54	<b>109.08</b>	233.21	122.38	105.20	109.17	238.29	203.53	112.27	134.71	379.05	-
		55	241.72	179.21	127.59	105.83	91.44	142.74	154.99	112.85	95.02	<b>90.59</b>	202.38	106.50	91.37	92.82	164.40	183.21	103.19	96.35	200.29	-
		60	162.23	117.58	82.37	<b>73.46</b>	-	-	116.11	82.26	78.46	76.14	-	-	85.03	86.87	144.60	161.71	84.18	81.00	162.20	-
		65	145.23	96.00	67.74	<b>56.33</b>	61.12	95.39	98.03	70.10	63.02	62.32	131.19	70.68	68.50	70.14	122.36	138.21	77.38	74.26	144.69	-
jnh16	53.14	75	58.64	<b>54.04</b>	55.71	79.36	144.54	550.19	73.98	79.71	121.62	231.08	110.06	119.11	189.94	368.69	1468.08	236.15	259.80	853.69	-	<b>4</b>
100 variables		80	43.25	36.15	<b>32.96</b>	40.60	69.20	258.43	41.38	41.19	58.91	109.65	59.61	60.29	93.59	181.25	723.07	131.12	143.55	467.84	1892.99	-
850 clauses		85	36.68	26.88	<b>21.91</b>	22.53	33.06	111.19	24.84	21.77	26.77	43.77	30.31	25.21	33.97	61.18	237.87	50.98	52.09	162.26	655.84	-
from SATLIB		90	41.30	32.29	<b>22.36</b>	<b>19.07</b>	22.79	67.86	25.68	19.44	19.88	29.16	30.52	19.49	24.11	40.30	152.49	30.92	27.60	75.60	302.16	-
		95	59.73	49.68	42.07	33.94	26.82	39.38	40.91	31.34	24.18	23.04	40.70	23.05	<b>19.47</b>	26.12	88.40	33.41	22.15	51.30	200.27	-
		100	38.57	23.91	19.95	17.13	13.81	15.01	22.11	15.54	13.93	13.25	21.76									