SAT-Race 2008
Theory and Applications of Satisfiability Testing
Eleventh International Conference · May 12 – 15, Guangzhou, P. R. China

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Results of Main Track (Sequential CNF Solvers)

Instance	SAT/UNSAT	MiniSat (32bit)	pMiniSat (64bit)	Barcelogic (64bit)	Rsat (32bit)	MXC (32bit)	preSAT (32bit)	CMUSAT (64bit)	kw (32bit)	picosat (32bit)	Eureka (64bit)	ManySat* (32bit)	LocalMinisat (32bit)	MiraXT (32bit)	SATzilla (32bit)	eSAT (32bit)	Spear (32bit)	Tinisat (32bit)	clasp (32bit)	SAT4J (64bit)
IBM Benchmark Suite (15 SAT / 5 UNSAT)																				
ibm-2002-04r-k80	SAT	17.2	16.4	67.8	49.8	58.8	94.1	48.4	107.5	26.7	77.5	95.8	38.0	27.6	107.6	87.7	65.9	59.1	485.7	83.9
ibm-2002-11r1-k45	SAT	15.2	20.1	31.7	51.2	35.5	110.4	30.8	72.8	20.3	97.4	57.3	43.0	10.7	118.2	82.0	62.5	96.2	342.0	153.6
ibm-2002-18r-k90	SAT	81.7	61.5	278.6	471.3	201.0	213.0	243.8	-----	168.4	684.4	306.1	475.8	859.1	-----	437.1	-----	-----	-----	-----
ibm-2002-20r-k75	SAT	50.3	101.8	90.8	98.9	124.5	306.2	131.6	670.0	84.1	682.6	476.7	337.7	449.8	443.6	218.0	-----	409.1	-----	-----
ibm-2002-22r-k60	SAT	202.1	342.4	409.9	391.4	441.1	537.1	822.7	736.3	168.2	-----	507.8	-----	-----	562.3	-----	-----	-----	-----	-----
ibm-2002-22r-k75	SAT	45.5	83.4	183.1	378.7	62.8	158.1	198.9	631.0	77.7	598.0	245.8	522.5	231.1	648.0	431.2	430.0	606.5	-----	648.5
ibm-2002-22r-k80	SAT	94.8	148.9	254.7	614.1	154.8	263.1	90.8	742.1	75.3	-----	479.8	418.7	251.0	637.2	697.1	502.6	603.3	-----	729.6
ibm-2002-23r-k90	SAT	141.6	142.2	437.0	726.3	314.1	-----	421.4	-----	431.9	-----	-----	581.0	-----	-----	-----	-----	-----	-----	-----
ibm-2002-24r3-k100	UNSAT	125.6	228.5	148.8	255.3	154.7	233.6	256.3	157.5	163.3	204.9	203.3	155.2	-----	283.6	212.4	215.5	254.1	-----	226.1
ibm-2002-25r-k10	UNSAT	668.4	399.0	-----	-----	-----	-----	-----	535.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
ibm-2002-29r-k75	SAT	35.7	154.8	78.2	293.7	79.6	362.8	131.1	102.6	117.3	-----	625.3	66.4	52.9	825.0	168.8	87.4	156.0	-----	67.2
ibm-2002-30r-k85	SAT	-----	899.3	-----	-----	-----	-----	766.8	-----	-----	-----	-----	-----	640.6	-----	-----	-----	-----	-----	-----
ibm-2002-31_1r3-k30	SAT	143.1	402.5	154.2	226.1	374.4	857.8	811.1	326.9	673.2	307.5	466.2	822.5	-----	-----	548.4	-----	-----	-----	-----
ibm-2004-01-k90	SAT	17.3	12.7	49.5	91.5	52.8	131.5	48.1	30.9	47.0	273.0	70.0	164.4	117.3	77.7	91.0	143.3	86.0	199.8	313.9
ibm-2004-1_11-k80	SAT	52.8	38.6	286.7	422.7	60.2	131.5	258.0	311.0	178.6	177.1	564.7	230.7	77.7	-----	403.5	330.1	-----	-----	-----
ibm-2004-23-k100	SAT	107.0	214.2	485.8	-----	371.6	-----	264.9	-----	892.9	-----	-----	357.8	-----	-----	-----	-----	-----	-----	-----
ibm-2004-23-k80	SAT	259.7	143.2	193.7	461.2	91.2	221.2	453.5	-----	160.5	-----	-----	397.1	86.1	718.6	-----	-----	681.9	-----	-----
ibm-2004-29-k25	SAT	41.6	68.7	84.3	109.5	61.0	345.8	115.4	165.4	64.0	91.7	189.4	390.7	674.1	115.9	95.5	401.5	-----	632.3	-----
ibm-2004-29-k55	SAT	26.4	10.5	21.9	86.7	83.2	109.5	30.9	81.9	94.3	242.0	77.8	116.9	13.6	-----	240.6	83.2	-----	-----	64.7
ibm-2004-3_02_3-k95	SAT	1.4	1.6	1.4	2.9	1.5	39.3	1.5	3.4	1.4	2.0	5.6	1.9	1.7	5.9	5.9	1.1	2.5	1.2	4.4
Manolios Benchmark Suite (10 UNSAT)																				
manol-pipe-c10nid_i	UNSAT	384.0	416.9	527.2	265.2	784.7	430.3	-----	890.1	-----	-----	825.3	865.0	-----	-----	-----	-----	-----	-----	-----
manol-pipe-c10nidw	UNSAT	535.5	-----	756.4	428.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
manol-pipe-c6bidw_i	UNSAT	34.4	44.2	40.9	26.6	62.0	44.9	52.2	85.1	59.5	87.0	73.6	55.2	125.4	151.4	298.7	68.0	129.4	332.7	74.5
manol-pipe-c8nidw	UNSAT	204.0	207.5	265.6	167.7	306.5	273.5	431.1	724.8	-----	347.8	521.8	435.9	807.3	-----	889.8	-----	-----	-----	476.4
manol-pipe-c9n_i	UNSAT	13.2	17.0	17.1	20.4	24.8	20.3	30.3	24.3	11.8	34.5	41.7	131.4	55.0	34.6	35.1	36.0	33.0	71.5	-----
manol-pipe-f7nidw	UNSAT	493.5	-----	70.7	59.2	-----	-----	-----	255.0	-----	45.1	149.0	-----	203.6	156.9	227.9	358.4	116.9	421.0	419.2
manol-pipe-f9b	UNSAT	354.6	574.9	232.2	512.3	405.6	812.4	570.6	-----	-----	46.7	311.7	-----	-----	657.5	406.9	-----	638.6	882.9	-----
manol-pipe-g10bid_i	UNSAT	393.0	552.0	497.3	263.6	890.2	516.0	-----	-----	-----	-----	833.0	-----	-----	-----	-----	-----	-----	-----	-----
manol-pipe-g10nid	UNSAT	150.8	148.8	69.2	132.4	102.7	178.9	161.5	214.0	87.6	78.5	151.2	173.9	456.4	258.1	404.9	486.8	236.2	-----	296.6
manol-pipe-g8nidw	UNSAT	205.5	369.8	15.1	12.7	350.1	110.2	146.6	65.6	10.3	11.4	24.5	43.5	28.9	39.9	52.0	98.5	21.7	99.5	43.7
Mironov-Zhang Benchmark Suite (10 SAT)																				
mizh-md5-47-3	SAT	19.9	238.7	-----	91.9	58.8	403.2	48.2	116.9	806.5	-----	190.9	124.0	-----	-----	124.2	878.5	106.8	-----	-----
mizh-md5-47-4	SAT	39.9	357.9	-----	266.6	55.3	359.5	85.3	87.9	92.6	-----	-----	292.0	353.4	589.7	96.6	-----	507.0	713.1	-----
mizh-md5-47-5	SAT	475.0	100.1	716.9	669.8	290.5	356.2	96.9	203.6	153.0	565.3	619.4	105.1	27.3	345.3	492.4	214.4	93.9	35.8	222.5
mizh-md5-48-2	SAT	124.1	268.6	224.8	-----	129.5	56.8	259.1	115.9	103.3	-----	643.7	432.9	461.9	-----	604.4	-----	202.1	-----	-----
mizh-md5-48-5	SAT	93.3	700.1	-----	-----	71.8	81.0	213.8	272.9	118.5	805.7	-----	549.9	387.9	-----	143.9	224.0	866.6	-----	-----
mizh-sha0-35-3	SAT	7.4	36.1	45.2	291.8	18.7	66.5	18.9	18.9	169.5	14.6	513.0	-----	458.8	20.1	156.1	78.6	18.8	403.0	233.4
mizh-sha0-35-4	SAT	9.4	208.1	60.4	342.4	355.5	28.8	100.7	114.1	119.5	596.6	103.8	98.4	94.8	-----	72.6	307.6	278.8	129.4	292.4
mizh-sha0-36-1	SAT	190.2	-----	259.5	332.4	85.8	-----	-----	-----	-----	-----	-----	-----	311.2	553.4	332.4	-----	-----	-----	-----
mizh-sha0-36-3	SAT	68.8	336.9	-----	-----	-----	195.7	153.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
mizh-sha0-36-4	SAT	367.6	-----	-----	164.5	768.3	13.9	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	742.0
Post Benchmark Suite (2 SAT, 8 UNSAT)																				
post-c32s-col400-16	UNSAT	46.9	35.2	353.3	208.1	45.7	191.6	116.6	154.6	142.1	565.5	268.8	46.5	239.1	89.2	464.8	140.2	66.7	48.5	417.9
post-c32s-gcdm16-22	UNSAT	102.9	147.8	120.9	33.9	-----	126.6	302.3	254.1	120.1	193.8	361.7	197.5	-----	761.5	-----	762.1	361.9	506.5	-----
post-c32s-gcdm16-23	UNSAT	125.7	163.4	150.6	39.6	-----	157.5	326.5	627.6	130.2	233.3	284.1	425.1	-----	-----	-----	-----	156.5	-----	-----
post-c32s-ss-8	UNSAT	-----	340.0	-----	-----	-----	344.2	524.2	-----	-----	378.8	-----	-----	-----	-----	-----	-----	-----	-----	-----
post-cbmc-aes-d-r1	UNSAT	2.8	5.0	4.0	3.6	2.6	8.4	2.5	3.5	3.0	4.8	4.6	3.0	4.2	6.0	3.7	1.9	3.8	5.3	5.1
post-cbmc-aes-d-r2	UNSAT	-----	680.9	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
post-cbmc-aes-ee-r2	UNSAT	-----	799.7	772.2	-----	-----	-----	-----	-----	-----	281.2	811.6	-----	-----	-----	-----	-----	-----	-----	-----
post-cbmc-aes-ee-r3	UNSAT	-----	-----	-----	-----	-----	-----	-----	-----	-----	284.6	731.9	-----	-----	-----	-----	-----	-----	-----	-----
post-cbmc-aes-ele	SAT	19.7	44.2	45.3	35.9	24.3	95.6	34.0	-----	64.5	38.2	47.7	289.8	84.8	79.4	22.9	537.3	54.2	168.0	-----
post-cbmc-zfcp-2.8-u2	SAT	85.4	-----	-----	-----	66.2	15.4	109.9	-----	64.6	-----	-----	54.7	37.6	-----	85.6	-----	-----	33.9	-----
Velev Benchmark Suite (4 SAT, 6 UNSAT)																				
velev-engi-uns-1.0-4nd	UNSAT	8.9	10.7	27.5	16.1	14.3	75.3	16.3	41.2	42.9	67.1	41.2	29.7	29.8	56.5	16.8	21.0	21.7	15.2	75.0
velev-fvp-sat-3.0-b18	SAT	18.6	193.2	5.2	64.6	9.5	500.0	11.7	-----	12.0	18.4	7.2	-----	30.0	408.7	-----	2.4	-----	41.8	64.2
velev-npe-1.0-9dlx-b71	SAT	106.3	169.5	763.4	767.0	208.5	5.8	578.9	872.4	98.4	-----	-----	44.2	655.8	-----	-----	-----	449.6	17.1	-----
velev-vliw-sat-4.0-b4	SAT	45.9	21.2	182.5	340.1	72.5	4.1	69.8	156.9	91.3	-----	96.7	29.2	24.0	-----	414.9	47.4	46.2	10.6	199.9
velev-vliw-sat-4.0-b8	SAT	68.6	33.3	93.5	273.3	40.6	4.1	91.3	151.9	100.6	698.7	84.0	42.7	34.5	-----	143.6	55.5	84.5	10.5	257.3
velev-vliw-uns-2.0-iq1	UNSAT	-----	-----	19.4	255.8	-----	-----	-----	133.1	-----	15.1	681.0	-----	-----	139.5	-----	211.7	133.3	-----	-----
velev-vliw-uns-2.0-iq2	UNSAT	-----	-----	66.1	368.0	-----	-----	-----	652.2	-----	-----	64.4	-----	-----	159.3	319.1	-----	778.5	416.7	-----
velev-vliw-uns-2.0-uq5	UNSAT	-----	-----	639.2	-----	-----	-----	-----	-----	-----	484.7	-----	-----	-----	-----	-----	-----	-----	-----	-----
velev-vliw-uns-4.0-9-i1	UNSAT	-----	-----	561.0	359.6	-----	-----	-----	489.1	-----	161.4	-----	-----	608.7	-----	474.9	-----	303.3	283.9	578.2
velev-vliw-uns-4.0-9	UNSAT																			
Mixed Benchmark Suite (17 SAT, 23 UNSAT)																				
aloul-chnl11-13	UNSAT	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	132.0	-----	-----	-----	814.3	-----	-----
anbul-dated-5-15-u	UNSAT	377.7	142.2	361.2	486.5	684.7	299.7	-----	479.1	-----	-----	819.0	-----	-----	524.5	555.6	-----	-----	-----	-----
anbul-part-10-13-s	SAT	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
anbul-part-10-15-s	SAT	157.7	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
babic-dspam-vc1080	UNSAT	1.1	1.4	1.8	1.7	0.6	1.4	1.0	36.0	1.3	1.8	1.7	0.9	1.5	0.8	0.5	4.6	1.9	0.8	1.7
babic-dspam-vc949	UNSAT	1.1	1.2	1.6	1.5	0.6	1.6	1.0	35.6	1.1	1.6	1.5	0.8	1.1	0.7	0.4	1.6	1.7	0.7	1.6
babic-dspam-vc973	UNSAT	2.4	2.9	2.5	3.4	3.5	1.4	1.6	2.4	25.3	2.8	3.5	3.4	1.8	2.7	1.5	12.2	5.8	3.7	3.5
cmu-bmc-barrel6	UNSAT	1.7	1.9	1.2	1.5	2.8	1.4	2.3	1.4	1.6	1.6	3.0	2.6	5.0	3.8	2.1	1.3	2.4	1.9	6.4
cmu-bmc-longmult13	UNSAT	27.7	12.5	13.4	15.0	17.2	21.7	24.1	27.4	11.2	231.6	35.0	33.5	23.2	63.3	49.3	22.0	81.2	21.2	43.7
cmu-bmc-longmult15	UNSAT	16.3	11.9	22.5	10.6	18.7	32.1	17.8	22.6	10.1	15.0	47.4	30.9	14.6	48.6	30.3	15.3	56.2	21.3	36.6
een-pico-prop00-75	UNSAT	2.0	2.1	2.2	3.7	1.1	0.2	6.6	8.6	1.9	2.5	3.7	1.9	5.4	0.5	2.2	3.7	2.3	13.1	8.6
een-pico-prop05-75	UNSAT	14.9	18.2	28.1	17.7	141.6	52.9	35.1	57.7	17.7	22.6	38.4	36.1	50.7	182.4	73.0	98.9	140.2	848.9	165.3
een-tip-sat-nusmv-t5.B	SAT	0.9	1.0	1.4	2.2	1.0	50.9	1.1	3.2	1.3	1.7	2.5	1.1	1.2	1.0	6.7	2.2	1.6	1.1	3.8
een-tip-sat-texas-tp-5e	SAT	0.1	0.2	0.2	0.3	0.1	0.5	0.2	0.6	0.1	0.3	0.3	0.1	0.1	0.1	0.2	0.3	0.3	0.1	0.6
een-tip-sat-vis-eisen	SAT	0.3	0.3	0.4	0.5	0.4	3.6	0.4	1.1	0.3	0.4	0.4	0.6	0.4	0.4	1.0	0.5	0.4	0.5	1.5
fuhs-aprove-15	UNSAT	15.2	27.5	47.9	15.7	29.1	20.2	27.2	56.6	19.0	59.6	37.6	125.1	75.1	135.3	46.2	62.8	123.2	59.1	327.6
fuhs-aprove-16	UNSAT	161.7	191.6	205.1	315.9	472.4	422.3	323.7	-----	682.0	203.5	722.8	545.6	-----	272.2	733.5	395.0	256.9	-----	-----
goldb-heqc-alu4mul	UNSAT	192.7	165.1	535.2	179.7	248.5	269.0	248.3	91.9	208.9	649.0	637.8	350.5	330.2	250.1	323.4	142.0	-----	332.7	-----
goldb-heqc-dalumul	UNSAT	-----	814.8	-----	848.9	-----	-----	-----	73.4	-----	175.6	-----	-----	-----	-----	-----	-----	-----	-----	-----
goldb-heqc-frg1mul	UNSAT	-----	-----	-----	-----	-----	-----	-----	101.0	-----	133.5	-----	-----	-----	-----	-----	-----	-----	-----	-----
goldb-heqc-x1mul	UNSAT	-----	-----	-----	-----	-----	-----	-----	119.0	-----	392.2	-----	-----	-----	-----	-----	-----	-----	-----	-----
grieu-vmpc-27	SAT	129.7	19.8	545.3	55.4	860.6	79.8	75.0	397.3	8.1	525.6	250.2	-----	55.5	60.9	508.1	741.9	41.8	9.2	441.1
grieu-vmpc-31	SAT	-----	-----	-----	-----	-----	-----	-----	-----	-----	38.4	-----	-----	35.6	-----	59.3	-----	-----	-----	-----
hoons-vbmc-lucky7	UNSAT	1.0	1.4	1.4	1.0	1.4	3.5	2.9	22.1	0.7	2.2	3.5	3.0	22.5	6.2	3.9	6.1	3.7	35.6	-----
jarvi-eq-atree-9	UNSAT	149.3	60.3	61.9	84.2	66.6	134.1	87.0	238.0	33.7	578.9	240.2	574.9	65.1	160.6	163.8	85.5	756.1	51.5	537.0
marijn-philips	UNSAT	-----	-----	454.4	-----	541.3	-----	-----	-----	263.4	-----	-----	-----	748.9	609.9	-----	-----	-----	428.5	-----
maris-s03-gripper11	SAT	-----	66.3	-----	37.5	18.9	-----	-----	29.1	184.9	23.8	-----	-----	37.3	-----	-----	-----	-----	-----	-----
narain-vpn-clauses-10	SAT	73.2	-----	90.6	187.3	68.7	173.3	87.5	277.7	96.1	432.3	365.8	134.0	173.6	150.4	128.2	128.7	247.3	-----	507.0
narain-vpn-clauses-8	SAT	828.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
palac-sn7-ipc5-h16	SAT	284.9	331.4	120.5	43.7	123.7	74.0	549.4	549.5	472.5	295.4	155.7	51.5	318.5	401.0	-----	307.9	-----	-----	614.2
palac-uts-l06-ipc5-h34	SAT	18.1	34.8	20.2	18.3	22.5	77.8	49.3	123.1	11.5	16.9	31.5	45.3	41.3	104.3	42.8	24.8	29.6	237.7	152.3
schup-l2s-abp4-1-k31	SAT	8.2	12.9	15.9	13.9	11.3	57.5	20.2	27.1	19.4	23.9	35.9	36.3	45.7	81.7	33.3	36.0	227.3	98.5	317.8
schup-l2s-bc56s-1-k391	UNSAT	514.9	720.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
schup-l2s-motst-2-k315	SAT	23.6	26.6	49.9	65.6	99.1	123.7	32.5	254.8	29.9	56.7	110.2	24.7	45.5	514.8	459.3	282.4	-----	449.0	197.7
simon-s02-f2clk-50	UNSAT	172.2	220.8	706.3	130.7	206.0	290.8	360.6	398.8	-----	404.8	410.2	381.9	-----	-----	483.5	-----	-----	-----	-----
simon-s02b-r4b1k1.1	SAT	145.6	230.2	112.8	177.3	464.0	265.4	10.5	690.5	156.0	522.9	261.8	669.3	273.5	141.2	-----	71.8	106.0	-----	-----
simon-s02b-r4b1k1.2	SAT	106.4	259.9	147.4	467.9	108.5	527.5	79.5	562.7	152.7	850.5	815.7	-----	-----	122.1	205.1	-----	-----	784.3	-----
simon-s03-fifo8-400	UNSAT	35.0	30.3	44.4	55.9	101.5	98.3	52.8	78.0	92.8	58.2	81.1	90.0	142.9	287.3	114.3	114.9	234.1	133.8	-----
simon-s03-w08-15	UNSAT	74.0	83.1	41.9	106.6	114.9	213.3	50.8	194.9	51.7	80.6	186.5	119.8	51.1	679.1	316.0	94.2	624.0	631.2	-----
vange-col-abb313GPIA-9-c	SAT	-----	-----	-----	-----	-----	-----	-----	104.9	-----	-----	-----	31.2	-----	-----	-----	-----	-----	-----	-----
#solved:		81	79	77	76	74	72	72	70	70	69	68	64	63	60	60	60	56	54	49
#solved SAT/UNSAT:		43/38	39/40	35/42	36/40	40/34	38/34	40/32	32/38	40/30	29/40	30/38	32/32	37/26	30/30	29/31	30/30	28/28	23/31	26/23
rank by solved:		1	2	3	4	5	6	6	8	8	10	11	12	13	14	14	14	17	18	19
speed points:		7.26	5.61	5.10	5.04	4.79	4.73	4.72	5.19	5.16	5.44	3.99	3.68	4.26	4.18	3.81	3.32	3.08	3.19	2.43
rank by speed:		1	2	6	7	8	9	10	4	5	3	11	13	12	14	15	16	18	17	19
total score:		88.26	84.61	82.10	81.04	78.79	76.73	76.72	75.19	75.16	74.44	71.99	67.68	67.26	64.18	63.81	63.32	59.08	57.19	51.43
rank:		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

SAT-Competition 2007 Solvers

Instance	SAT/UNSAT	Rsat 2007 (32bit)	picosat 2007 (32bit)	MiniSAT 2007 (32bit)
IBM Benchmark Suite (15 SAT / 5 UNSAT)				
ibm-2002-04r-k80	SAT	71.1	94.6	50.9
ibm-2002-11r1-k45	SAT	17.5	62.7	43.1
ibm-2002-18r-k90	SAT	126.0	531.2	-----
ibm-2002-20r-k75	SAT	179.0	316.1	751.4
ibm-2002-22r-k60	SAT	892.0	489.9	-----
ibm-2002-22r-k75	SAT	193.7	467.2	250.2
ibm-2002-22r-k80	SAT	312.3	-----	395.3
ibm-2002-23r-k90	SAT	321.8	-----	-----
ibm-2002-24r3-k100	UNSAT	170.5	628.1	543.7
ibm-2002-25r-k10	UNSAT	-----	-----	-----
ibm-2002-29r-k75	SAT	134.4	842.2	389.3
ibm-2002-30r-k85	SAT	524.0	635.8	-----
ibm-2002-31_1r3-k30	SAT	773.9	-----	537.4
ibm-2004-01-k90	SAT	68.2	77.9	28.5
ibm-2004-1_11-k80	SAT	105.0	696.1	61.6
ibm-2004-23-k100	SAT	-----	-----	-----
ibm-2004-23-k80	SAT	-----	-----	336.0
ibm-2004-29-k25	SAT	119.0	186.4	473.0
ibm-2004-29-k55	SAT	30.3	134.2	206.1
ibm-2004-3_02_3-k95	SAT	1.8	3.9	2.4
Manolios Benchmark Suite (10 UNSAT)				
manol-pipe-c10nid_i	UNSAT	476.2	-----	-----
manol-pipe-c10nidw	UNSAT	793.6	-----	-----
manol-pipe-c6bidw_i	UNSAT	36.8	196.1	59.1
manol-pipe-c8nidw	UNSAT	174.9	-----	-----
manol-pipe-c9n_i	UNSAT	14.1	48.8	230.3
manol-pipe-f7nidw	UNSAT	-----	261.1	-----
manol-pipe-f9b	UNSAT	-----	-----	-----
manol-pipe-g10bid_i	UNSAT	494.1	-----	-----
manol-pipe-g10nid	UNSAT	124.1	273.2	-----
manol-pipe-g8nidw	UNSAT	149.4	34.3	163.2
Mironov-Zhang Benchmark Suite (10 SAT)				
mizh-md5-47-3	SAT	216.0	-----	496.3
mizh-md5-47-4	SAT	560.7	328.2	323.2
mizh-md5-47-5	SAT	698.7	348.2	227.1
mizh-md5-48-2	SAT	348.7	456.1	267.7
mizh-md5-48-5	SAT	262.6	-----	-----
mizh-sha0-35-3	SAT	21.8	143.2	888.5
mizh-sha0-35-4	SAT	159.3	79.5	465.1
mizh-sha0-36-1	SAT	761.3	-----	-----
mizh-sha0-36-3	SAT	840.7	-----	-----
mizh-sha0-36-4	SAT	179.6	-----	-----
Post Benchmark Suite (2 SAT, 8 UNSAT)				
post-c32s-col400-16	UNSAT	316.5	302.7	39.7
post-c32s-gcdm16-22	UNSAT	390.5	885.9	241.6
post-c32s-gcdm16-23	UNSAT	315.8	-----	311.7
post-c32s-ss-8	UNSAT	-----	-----	-----
post-cbmc-aes-d-r1	UNSAT	3.6	4.0	4.1
post-cbmc-aes-d-r2	UNSAT	-----	-----	-----
post-cbmc-aes-ee-r2	UNSAT	-----	-----	-----
post-cbmc-aes-ee-r3	UNSAT	-----	-----	-----
post-cbmc-aes-ele	SAT	41.6	75.2	289.4
post-cbmc-zfcp-2.8-u2	SAT	59.7	-----	66.9
Velev Benchmark Suite (4 SAT, 6 UNSAT)				
velev-engi-uns-1.0-4nd	UNSAT	19.4	54.4	26.1
velev-fvp-sat-3.0-b18	SAT	6.5	63.4	-----
velev-npe-1.0-9dlx-b71	SAT	177.1	332.3	-----
velev-vliw-sat-4.0-b4	SAT	98.0	545.2	27.5
velev-vliw-sat-4.0-b8	SAT	57.5	572.4	17.2
velev-vliw-uns-2.0-iq1	UNSAT	-----	-----	-----
velev-vliw-uns-2.0-iq2	UNSAT	-----	-----	-----
velev-vliw-uns-2.0-uq5	UNSAT	-----	-----	-----
velev-vliw-uns-4.0-9-i1	UNSAT	-----	-----	-----
velev-vliw-uns-4.0-9	UNSAT	-----	-----	-----
Mixed Benchmark Suite (17 SAT, 23 UNSAT)				
aloul-chnl11-13	UNSAT	-----	-----	-----
anbul-dated-5-15-u	UNSAT	471.7	-----	-----
anbul-part-10-13-s	SAT	-----	-----	-----
anbul-part-10-15-s	SAT	-----	-----	-----
babic-dspam-vc1080	UNSAT	1.8	-----	1.2
babic-dspam-vc949	UNSAT	1.6	271.3	1.0
babic-dspam-vc973	UNSAT	3.5	467.5	2.3
cmu-bmc-barrel6	UNSAT	1.5	1.9	2.8
cmu-bmc-longmult13	UNSAT	27.5	87.8	21.3
cmu-bmc-longmult15	UNSAT	9.9	33.1	17.4
een-pico-prop00-75	UNSAT	2.3	3.4	13.1
een-pico-prop05-75	UNSAT	14.2	77.3	44.2
een-tip-sat-nusmv-t5.B	SAT	1.6	7.5	1.1
een-tip-sat-texas-tp-5e	SAT	0.3	0.6	0.1
een-tip-sat-vis-eisen	SAT	0.6	1.0	0.4
fuhs-aprove-15	UNSAT	39.9	50.9	77.0
fuhs-aprove-16	UNSAT	730.6	557.0	-----
goldb-heqc-alu4mul	UNSAT	501.6	259.9	218.1
goldb-heqc-dalumul	UNSAT	-----	-----	-----
goldb-heqc-frg1mul	UNSAT	-----	-----	-----
goldb-heqc-x1mul	UNSAT	-----	-----	-----
grieu-vmpc-27	SAT	42.2	18.6	343.2
grieu-vmpc-31	SAT	-----	103.0	-----
hoons-vbmc-lucky7	UNSAT	1.4	4.2	7.5
jarvi-eq-atree-9	UNSAT	148.9	-----	61.7
marijn-philips	UNSAT	-----	-----	547.5
maris-s03-gripper11	SAT	47.5	23.4	270.4
narain-vpn-clauses-10	SAT	159.0	96.7	126.9
narain-vpn-clauses-8	SAT	-----	-----	-----
palac-sn7-ipc5-h16	SAT	20.6	363.2	-----
palac-uts-l06-ipc5-h34	SAT	19.0	27.0	120.5
schup-l2s-abp4-1-k31	SAT	31.2	33.8	-----
schup-l2s-bc56s-1-k391	UNSAT	-----	-----	-----
schup-l2s-motst-2-k315	SAT	146.9	530.5	59.6
simon-s02-f2clk-50	UNSAT	270.8	-----	833.6
simon-s02b-r4b1k1.1	SAT	263.5	127.9	26.7
simon-s02b-r4b1k1.2	SAT	141.0	251.7	-----
simon-s03-fifo8-400	UNSAT	41.7	212.7	80.7
simon-s03-w08-15	UNSAT	115.6	152.9	76.3
vange-col-abb313GPIA-9-c	SAT	-----	-----	-----
#solved:		75	60	59
#solved SAT/UNSAT:		41/34	34/26	32/27

Legend:
- ----- Time-out or out-of-memory
- 123.4 Instance solved within 900 seconds
- 56.7 Best solver on an instance