Table 1: Results for LTLAutomizerC.xml.

Benchmark	#	Result	Variant	Count	Total time	Alloc. Memory	Peak Memory	Iterations	BA analysis time	BA minimization time	Initial property automaton Locations	Initial property automaton Edges	Initial RCFG Locations	Initial RCFG Edges	Initial product Locations	Initial product Edges	Optimized Product Locations	Optimized Product Edges	Trivial modules	Deterministic modules	Nondeterministic modules	Remainder	Avg Locs trivial modules	Avg Locs deterministic modules	Avg Locs nondeterministic modules
coolant	12	Unsafe	Default-LBE-Multi+NondetBuchi.epf	10	1.25 s	3738.10 MB	618.23 MB	4	1.18 s	0.01 s	3	7	68	89	204	512	116	342	3	0	0	Nonterminating	3	0	0
			None+SBE.epf	10	1.96 s	3921.55 MB	1081.32 MB	3	1.92 s	0.00 s	3	7	68	90	204	519	204	519	2	0	0	Nonterminating	3	1	0
			Default-LBE-SNME.epf	10	1.64 s	3819.60 MB	1144.05 MB	3	1.60 s	0.00 s	3	7	68	89	204	512	163	397	2	0	0	Nonterminating	3	1	0
			Default-LBE-Single.epf	10	1.69 s	3920.60 MB	1357.56 MB	3	1.64 s	0.00 s	3	7	68	89	204	512	163	397	2	0	0	Nonterminating	3	1	0
			Default-LBE-Multi.epf	10	1.24 s	3818.60 MB	881.17 MB	4	1.19 s	0.01 s	3	7	68	89	204	512	116	342	3	0	0	Nonterminating	3	0	0
			Default-LBE-Multi+SBE.epf	10	1.29 s	3815.90 MB	614.80 MB	4	1.24 s	0.01 s	3	7	68	89	204	519	117	349	3	0	0	Nonterminating	3	0	0
			Default-LBE-Multi+SBE+SimplifyAssumesSBE.epf	10	1.01 s	3815.30 MB	621.82 MB	4	0.93 s	0.01 s	3	7	68	90	204	519	117	351	2	0	0	Nonterminating	3	0	0
			None.epf	10	1.85 s	3911.45 MB	958.97 MB	3	1.81 s	0.00 s	3	7	68	89	204	512	204	512	2	0	0	Nonterminating	3	1	0
			None+SBE+SimplifyAssumesSBE.epf	10	1.80 s	3914.50 MB	1210.75 MB	3	1.75 s	0.00 s	3	7	68	90	204	519	204	523	2	0	0	Nonterminating	3	1	0
	6	Safe	Default-LBE-Multi+NondetBuchi.epf	6	0.45 s	3929.00 MB	252.96 MB	7	0.39 s	0.01 s	3	8	67	89	217	581	130	409	3	0	3	-	2	0	1
			None+SBE.epf	6	0.85 s	3922.00 MB	213.71 MB	6	0.81 s	0.01 s	3	8	67	90	217	589	217	589	2	2	0	-	3	1	0
			Default-LBE-SNME.epf	6	0.43 s	3923.25 MB	237.47 MB	7	0.39 s	0.01 s	3	8	67	89	217	581	175	460	3	2	0	-	3	1	0
			Default-LBE-Single.epf	6	0.42 s	3916.83 MB	248.89 MB	7	0.38 s	0.01 s	3	8	67	89	217	581	175	460	3	2	0	-	3	1	0
			Default-LBE-Multi.epf	6	0.47 s	3916.33 MB	253.70 MB	7	0.42 s	0.01 s	3	8	67	89	217	581	130	409	3	3	0	-	2	1	0
			Default-LBE-Multi+SBE.epf	6	0.49 s	3926.25 MB	261.28 MB	7	0.44 s	0.01 s	3	8	67	90	217	589	130	418	3	3	0	-	2	1	0
			Default-LBE-Multi+SBE+SimplifyAssumesSBE.epf	6	0.50 s	3921.25 MB	258.17 MB	7	0.43 s	0.01 s	3	8	67	90	217	589	130	419	3	3	0	-	2	1	0
			None.epf	6	0.88 s	3922.92 MB	246.60 MB	6	0.84 s	0.01 s	3	8	67	89	217	581	217	581	3	2	0	-	3	1	0
			None+SBE+SimplifyAssumesSBE.epf	6	0.90 s	3921.75 MB	243.97 MB	6	0.85 s	0.01 s	3	8	67	90	217	589	217	592	2	2	0	-	2	1	0
	18	Completed	Default-LBE-Multi+NondetBuchi.epf	16	0.95 s	3809.69 MB	481.26 MB	5	0.89 s	0.01 s	3	7	67	89	209	538	121	367	3	0	1	Nonterminating	3	0	0
			None+SBE.epf	16	1.54 s	3921.72 MB	755.97 MB	4	1.50 s	0.01 s	3	7	67	90	209	545	209	545	2	1	0	Nonterminating	3	1	0
			Default-LBE-SNME.epf	16	1.19 s	3858.47 MB	804.08 MB	5	1.14 s	0.01 s	3	7	67	89	209	538	167	421	3	1	0	Nonterminating	3	1	0
			Default-LBE-Single.epf	16	1.21 s	3919.19 MB	941.81 MB	5	1.17 s	0.01 s	3	7	67	89	209	538	167	421	3	1	0	Nonterminating	3	1	0
			Default-LBE-Multi.epf	16	0.95 s	3855.25 MB	645.87 MB	5	0.90 s	0.01 s	3	7	67	89	209	538	121	367	3	0	0	Nonterminating	3	0	0
			Default-LBE-Multi+SBE.epf	16	0.99 s	3857.28 MB	482.23 MB	5	0.94 s	0.01 s	3	7	67	90	209	545	122	375	3	1	0	Nonterminating	3	0	0
			Default-LBE-Multi+SBE+SimplifyAssumesSBE.epf	16	0.82 s	3855.03 MB	485.46 MB	5	0.74 s	0.01 s	3	7	67	90	209	545	122	377	3	1	0	Nonterminating	3	0	0
			None.epf	16	1.49 s	3915.75 MB	691.83 MB	4	1.45 s	0.01 s	3	7	67	89	209	538	209	538	2	1	0	Nonterminating	3	1	0
			None+SBE+SimplifyAssumesSBE.epf	16	1.47 s	3917.22 MB	848.21 MB	4	1.41 s	0.01 s	3	7	67	90	209	545	209	549	2	1	0	Nonterminating	3	1	0
		Timeout	Default-LBE-Multi+NondetBuchi.epf	2	1825.15 s	4165.50 MB	3051.37 MB	261	1825.11 s	931.30 s	3	5	70	92	172	346	92	233	256	0	4	Decomposition not yet finished	13	0	4
			None+SBE.epf	2	2276.50 s	4069.25 MB	2287.02 MB	41	2276.45 s	1377.01 s	3	5	70	93	172	353	172	353	38	3	0	Decomposition not yet finished	34	3	0
			Default-LBE-SNME.epf	2	1859.85 s	4262.25 MB	3401.90 MB	3	959.82 s	958.96 s	3	5	70	92	172	346	144	285	-	-	-	-	-	-	-
			Default-LBE-Single.epf	2	2231.78 s	4265.75 MB	1890.36 MB	40	2231.74 s	1332.34 s	3	5	70	92	172	346	144	285	36	3	0	Decomposition not yet finished	33	3	0
			Default-LBE-Multi.epf	2	1801.27 s	4167.75 MB	2550.21 MB	5	901.25 s	898.75 s	3	5	70	92	172	346	92	233	-	-	-	-	-	-	-
			Default-LBE-Multi+SBE.epf	2	1900.65 s	4164.75 MB	1900.41 MB	4	1000.63 s	999.07 s	3	5	70	93	172	353	93	242	-	-	-	-	-	-	-
			Default-LBE-Multi+SBE+SimplifyAssumesSBE.epf	2	2370.86 s	4165.00 MB	3147.72 MB	4	1470.82 s	1469.23 s	3	5	70	93	172	353	93	242	-	-	-	-	-	-	-
			None.epf	2	2131.58 s	4242.25 MB	3401.02 MB	40	2131.53 s	1232.07 s	3	5	70	92	172	346	172	346	36	3	0	Decomposition not yet finished	33	3	0
			None+SBE+SimplifyAssumesSBE.epf	2	2285.61 s	4069.50 MB	2124.80 MB	41	2285.57 s	1386.14 s	3	5	70	93	172	353	172	353	37	3	0	Decomposition not yet finished	33	3	0
bugs	3	Unsafe	Default-LBE-Multi+NondetBuchi.epf	3	0.36 s	1929.83 MB	184.14 MB	3	0.32 s	0.06 s	1	2	35	47	56	91	31	61	1	0	1	Nonterminating	2	0	2
			None+SBE.epf	3	0.27 s	1928.83 MB	141.92 MB	3	0.24 s	0.03 s	1	2	35	47	56	92	56	92	1	1	0	Nonterminating	3	4	0
			Default-LBE-SNME.epf	3	0.26 s	1930.33 MB	140.72 MB	3	0.23 s	0.03 s	1	2	35	47	56	91	43	72	1	1	0	Nonterminating	2	3	0
			Default-LBE-Single.epf	3	0.24 s	1931.17 MB	133.18 MB	3	0.22 s	0.03 s	1	2	35	47	56	91	43	72	1	1	0	Nonterminating	2	3	0
			Default-LBE-Multi.epf	3	0.35 s	1930.67 MB	199.19 MB	3	0.32 s	0.05 s	1	2	35	47	56	91	31	61	1	1	1	Nonterminating	2	2	2
			Default-LBE-Multi+SBE.epf	3	0.31 s	1930.00 MB	176.06 MB	3	0.28 s	0.05 s	1	2	35	48	56	92	31	62	1	1	0	Nonterminating	2	2	2
			Default-LBE-Multi+SBE+SimplifyAssumesSBE.epf	3	0.27 s	1928.67 MB	133.18 MB	3	0.23 s	0.03 s	1	2	35	48	56	92	31	62	1	1	0	Nonterminating	2	2	2
			None.epf	3	0.27 s	1931.00 MB	143.06 MB	3	0.25 s	0.03 s	1	2	35	47	56	91	56	91	1	1	0	Nonterminating	2	4	0
			None+SBE+SimplifyAssumesSBE.epf	3	0.28 s	1931.17 MB	143.59 MB	3	0.26 s	0.03 s	1	2	35	48	56	92	56	92	1	1	0	Nonterminating	2	4	0
	9	Safe	Default-LBE-Multi+NondetBuchi.epf	9	0.40 s	1609.44 MB	85.82 MB	3	0.33 s	0.01 s	1	2	16	23	23	37	13	19	2	0	0	-	3	0	2
			None+SBE.epf	9	0.47 s	1770.44 MB	132.77 MB	4	0.45 s	0.24 s	1	2	16	24	23	39	23	39	2	0	0	-	3	1	0
			Default-LBE-SNME.epf	9	0.08 s	1608.28 MB	42.35 MB	3	0.06 s	0.00 s	1	2	16	23	23	37	14	21	1	0	0	-	3	1	0
			Default-LBE-Single.epf	9	0.07 s	1607.28 MB	40.52 MB	3	0.05 s	0.00 s	1	2	16	23	23	37	14	21	1	0	0	-	3	1	0
			Default-LBE-Multi.epf	9	0.17 s	1607.61 MB	84.97 MB	3	0.14 s	0.00 s	1	2	16	23	23	37	13	19	2	0	0	-	3	2	0
			Default-LBE-Multi+SBE.epf	9	0.25 s	1608.89 MB	82.25 MB	4	0.23 s	0.01 s	1	2	16	24	23	39	13	20	2	0	0	-	3	4	0
			Default-LBE-Multi+SBE+SimplifyAssumesSBE.epf	9	0.34 s	1607.33 MB	126.95 MB	4	0.31 s	0.02 s	1	2	16	24	23	39	13	20	2	0	0	-	3	2	0
			None.epf	9	0.10 s	1768.28 MB	58.71 MB	3	0.08 s	0.00 s	1	2	16	23	23	37	23	37	2	0	0	-	3	1	0
			None+SBE+SimplifyAssumesSBE.epf	9	0.68 s	1664.33 MB	86.27 MB	4	0.65 s	0.28 s	1	2	16	24	23	39	23	39	2	1	0	-	3	3	0
	12	Completed	Default-LBE-Multi+NondetBuchi.epf	12	0.39 s	1689.54 MB	110.40 MB	3	0.33 s	0.02 s	1	2	21	29	31	51	17	29	1	0	0	Nonterminating	3	0	2
			None+SBE.epf	12	0.42 s	1810.04 MB	135.06 MB	4	0.40 s	0.19 s	1	2	21	30	31	52	31	52	2	1	0	Nonterminating	3	1	0
			Default-LBE-SNME.epf	12	0.12 s	1688.79 MB	66.94 MB	3	0.10 s	0.01 s	1	2	21	29	31	51	22	34	1	0	0	Nonterminating	3	1	0
			Default-LBE-Single.epf	12	0.12 s	1688.25 MB	63.68 MB	3	0.09 s	0.01 s	1	2	21	29	31	51	22	34	1	0	0	Nonterminating	3	1	0
			Default-LBE-Multi.epf	12	0.21 s	1688.38 MB	113.53 MB	3	0.19 s	0.01 s	1	2	21	29	31	51	17	29	1	0	0	Nonterminating	3	2	0
			Default-LBE-Multi+SBE.epf	12	0.27 s	1689.17 MB	105.71 MB	4	0.24 s	0.02 s	1	2	21	30	31	52	17	31	2	0	0	Nonterminating	3	2	0
			Default-LBE-Multi+SBE+SimplifyAssumesSBE.epf	12	0.32 s	1687.67 MB	128.51 MB	4	0.29 s	0.02 s	1	2	21	30	31	52	17	31	2	0	0	Nonterminating	3	4	0
			None.epf	12	0.14 s	1808.96 MB	79.80 MB	3	0.12 s	0.01 s	1	2	21	29	31	51	31	51	1	0	0	Nonterminating	3	1	0
			None+SBE+SimplifyAssumesSBE.epf	12	0.58 s	1731.04 MB	100.60 MB	4	0.56 s	0.22 s	1	2	21	30	31	52	31	52	2	1	0	Nonterminating	3	3	0
		Timeout	Default-LBE-Multi+NondetBuchi.epf	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			None+SBE.epf	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Default-LBE-SNME.epf	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Default-LBE-Single.epf	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Default-LBE-Multi.epf	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Default-LBE-Multi+SBE.epf	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Default-LBE-Multi+SBE+SimplifyAssumesSBE.epf	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			None.epf	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			None+SBE+SimplifyAssumesSBE.epf	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ltlmodelchecker-benchmarks	5	Unsafe	Default-LBE-Multi+NondetBuchi.epf	5	0.45 s	5779.90 MB	120.87 MB	3	0.38 s	0.00 s	2	3	63	85	120	213	71	139	-	-	-	Nonterminating	-	-	-
			None+SBE.epf	5	0.22 s	5771.50 MB	127.07 MB	4	0.20 s	0.00 s	2	3	63	86	120	215	120	215	3	0	0	Nonterminating	3	2	0
			Default-LBE-SNME.epf	5	0.18 s	5775.90 MB	114.20 MB	3	0.15 s	0.00 s	2	3	63	85	120	213	89	157	-	-	-	Nonterminating	-	-	-
			Default-LBE-Single.epf	5	0.19 s	5768.00 MB	128.69 MB	3	0.15 s	0.00 s	2	3	63	85	120	213	89	157	-	-	-	Nonterminating	-	-	-
			Default-LBE-Multi.epf	5	0.19 s	5767.80 MB	133.92 MB	3	0.15 s	0.00 s	2	3	63	85	120	213	71	139	-	-	-	Nonterminating	-	-	-
			Default-LBE-Multi+SBE.epf	5	0.19 s	5777.70 MB	120.75 MB	3	0.16 s	0.00 s	2	3	63	86	120	215	72	142	-	-	-	Nonterminating	-	-	-
			Default-LBE-Multi+SBE+SimplifyAssumesSBE.epf	5	0.23 s	5772.80 MB	120.70 MB	3	0.18 s	0.00 s	2	3	63	86	120	215	72	142	-	-	-	Nonterminating	-	-	-
			None.epf	5	0.22 s	5773.70 MB	134.88 MB	4	0.20 s	0.00 s	2	3	63	85	120	213	120	213	2	0	0	Nonterminating	3	2	0
			None+SBE+SimplifyAssumesSBE.epf	5	0.22 s	5774.50 MB	125.85 MB	4	0.19 s	0.00 s	2	3	63	86	120	215	120	215	2	0	0	Nonterminating	3	2	0
	18	Safe	Default-LBE-Multi+NondetBuchi.epf	14	4.68 s	5680.54 MB	255.48 MB	5	4.57 s	0.05 s	2	3	134	168	284	515	235	413	2	0	2	-	3	0	3
			None+SBE.epf	15	5.30 s	5679.57 MB	287.74 MB	10	5.23 s	0.11 s	2	3	131	169	277	513	277	513	2	6	0	-	3	2	0
			Default-LBE-SNME.epf	15	5.93 s	5686.03 MB	345.03 MB	8	5.83 s	0.11 s	2	3	131	168	277	508	207	386	1	6	0	-	3	2	0
			Default-LBE-Single.epf	15	6.98 s	5698.60 MB	381.15 MB	8	6.89 s	0.10 s	2	3	131	168	277	508	210	388	1	6	0	-	3	2	0
			Default-LBE-Multi.epf	15	42.56 s	5691.90 MB	285.75 MB	9	42.88 s	34.67 s	2	3	131	168	277	508	227	411	2	6	0	-	3	2	0
			Default-LBE-Multi+SBE.epf	15	42.56 s	5681.77 MB	400.76 MB	10	42.48 s	35.44 s	2	3	131	169	277	513	227	416	2	6	0	-	3	2	0
			Default-LBE-Multi+SBE+SimplifyAssumesSBE.epf	15	42.51 s	5724.63 MB	379.33 MB	10	42.43 s	35.45 s	2	3	131	169	277	513	227	416	2	6	0	-	3	2	0
			None.epf	15	4.89 s	5627.93 MB	369.28 MB	10	4.82 s	0.11 s	2	3	131	168	277	508	277	508	2	6	0	-	3	2	0
			None+SBE+SimplifyAssumesSBE.epf	15	3.78 s	5619.30 MB	286.55 MB	10	3.70 s	0.11 s	2	3	131	169	277	513	277	513	2	6	0	-	3	2	0
	23	Completed	Default-LBE-Multi+NondetBuchi.epf	19	3.56 s	5706.68 MB	220.06 MB	5	3.47 s	0.03 s	2	3	115	148	241	435	192	341	-	-	-	Nonterminating	3	2	0
			None+SBE.epf	20	4.03 s	5702.55 MB	247.57 MB	8	3.97 s	0.08 s	2	3	114	148	238	439	238	439	2	4	0	Nonterminating	-	-	-
			Default-LBE-SNME.epf	20	4.49 s	5708.50 MB	287.32 MB	7	4.41 s	0.08 s	2	3	114	147	238	434	177	329	-	-	-	Nonterminating	-	-	-
			Default-LBE-Single.epf	20	5.28 s	5715.95 MB	318.04 MB	7	5.20 s	0.08 s	2	3	114	147	238	434	179	331	-	-	-	Nonterminating	-	-	-
			Default-LBE-Multi.epf	20	32.26 s	5710.88 MB	247.35 MB	8	32.20 s	26.00 s	2	3	114	147	238	434	188	343	-	-	-	Nonterminating	-	-	-
			Default-LBE-Multi+SBE.epf	20	31.96 s	5705.75 MB	330.75 MB	8	31.90 s	26.58 s	2	3	114	148	238	439	188	347	-	-	-	Nonterminating	-	-	-
			Default-LBE-Multi+SBE+SimplifyAssumesSBE.epf	20	31.94 s	5736.68 MB	314.67 MB	8	31.87 s	26.59 s	2	3	114	148	238	439	188	347	-	-	-	Nonterminating	-	-	-
			None.epf	20	3.72 s	5664.38 MB	310.68 MB	8	3.66 s	0.08 s	2	3	114	147	238	434	238	434	2	4	0	Nonterminating	-	-	-
			None+SBE+SimplifyAssumesSBE.epf	20	2.89 s	5658.10 MB	246.38 MB	8	2.82 s	0.08 s	2	3	114	148	238	439	238	439	2	4	0	Nonterminating	3	2	0
		Timeout	Default-LBE-Multi+NondetBuchi.epf	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			None+SBE.epf	1	1818.02 s	10183.00 MB	6889.02 MB	14	1817.99 s	1797.62 s	2	4	38	56	75	177	75	177	7	7	0	Decomposition not yet finished	4	8	0
			Default-LBE-SNME.epf	1	1863.03 s	10220.00 MB	5814.25 MB	13	1863.01 s	1849.73 s	2	4	38	55	75	173	59	118	6	7	0	Decomposition not yet finished	4	8	0
			Default-LBE-Single.epf	1	1802.03 s	10227.00 MB	5874.98 MB	13	1802.01 s	1788.14 s	2	4	38	55	75	173	59	118	6	7	0	Decomposition not yet finished	4	8	0
			Default-LBE-Multi.epf	1	2456.82 s	10228.50 MB	5630.76 MB	15	2456.78 s	2445.39 s	2	4	38	55	75	173	44	104	7	8	0	Decomposition not yet finished	4	8	0
			Default-LBE-Multi+SBE.epf	1	1879.31 s	9720.50 MB	7103.21 MB	15	1879.27 s	1856.47 s	2	4	38	56	75	177	45	108	7	8	0	Decomposition not yet finished	4	8	0
			Default-LBE-Multi+SBE+SimplifyAssumesSBE.epf	1	1838.14 s	9567.50 MB	7392.61 MB	15	1838.07 s	1812.90 s	2	4	38	56	75	177	45	108	7	8	0	Decomposition not yet finished	4	8	0
			None.epf	1	1893.83 s	10043.50 MB	6150.30 MB	14	1893.82 s	1879.02 s	2	4	38	55	75	173	75	173	7	7	0	Decomposition not yet finished	3	8	0
			None+SBE+SimplifyAssumesSBE.epf	1	1994.33 s	10227.50 MB	6591.02 MB	14	1994.28 s	1978.34 s	2	4	38	56	75	177	75	177	7	7	0	Decomposition not yet finished	3	8	0

Table 1: Results for LTLAutomizerC.xml.