

TABLE  
CMT experimental results, 4 levels, means over 10 computations.

variant system	agent	mean runtime					mean # cells			
		SL [s]	isolate [s]	initialized localize [s]	TSL [s] (sum)	% change	SL	initial guess	isolated	TSL
1 (362 states, 1142 trans.)	1	1.22	0.05	0.15	0.20	-83%	11.6	11.6	11.6	11.6
	2	1.11	0.04	0.21	0.25	-78%	14.3	14.3	14.3	14.3
	3	1.16	0.04	0.15	0.18	-84%	13.7	13.7	13.7	13.7
	4	2.47	0.06	0.08	0.14	-94%	10.9	10.9	10.9	10.9
2 (375 states, 1214 trans.)	1	1.84	0.03	1.73	1.76	-4%	11.5	23.9	295.6	18.8
	2	1.10	0.05	1.26	1.30	+18%	15.0	27.8	231.6	22.1
	3	1.32	0.04	1.21	1.26	-5%	14.7	27.5	232.7	21.7
	4	3.78	0.03	1.92	1.95	-48%	11.1	24.3	292.7	17.2
3 (270 states, 853 trans.)	1	0.78	0.04	0.10	0.14	-82%	9.4	8.8	8.8	8.8
	2	0.71	0.02	0.09	0.11	-85%	12.8	14.1	14.1	13.9
	3	0.88	0.03	0.10	0.12	-86%	10.8	14.3	14.7	13.9
	4	6.90	0.04	3.68	3.72	-46%	2.5	10.0	10.0	9.0
4 (309 states, 986 trans.)	1	2.19	0.05	0.65	0.69	-68%	8.9	11.2	11.2	10.6
	2	0.82	0.03	0.10	0.12	-85%	12.8	14.3	14.3	14.3
	3	0.79	0.03	0.15	0.17	-78%	13.9	14.1	14.1	14.1
	4	1.78	0.04	0.08	0.13	-93%	10.6	11.4	11.4	11.4
5 (403 states, 1304 trans.)	1	2.23	0.05	1.49	1.54	-31%	12.1	51.5	327.4	14.7
	2	1.41	0.05	0.66	0.71	-50%	14.6	55.2	269.4	15.9
	3	1.79	0.05	0.61	0.66	-63%	14.3	55.1	262.0	14.4
	4	4.59	0.03	1.49	1.52	-67%	11.2	52.4	323.2	11.7

TABLE  
CMT experimental results, 6 levels, one measurement for each computation.

variant system	agent	runtime					# cells			
		SL [s]	isolate [s]	initialized localize [s]	TSL [s] (sum)	% change	SL	initial guess	isolated	TSL
1 (842 states, 2975 trans.)	1	54.1	0.4	13.3	13.7	-75%	12	12	12	12
	2	16.0	0.2	1.6	1.8	-89%	16	16	16	16
	3	37.1	0.3	3.9	4.1	-89%	13	13	13	13
	4	32.1	0.3	1.2	1.5	-95%	12	12	12	12
	5	72.5	0.4	0.5	0.9	-99%	12	12	12	12
	6	57.1	0.5	0.6	1.1	-98%	7	7	7	7
2 (864 states, 3004 trans.)	1	20.9	0.1	22.8	23.0	10%	15	32	791	22
	2	53.1	0.1	23.1	23.2	-56%	14	35	753	26
	3	58.5	0.1	21.4	21.5	-63%	12	33	756	19
	4	37.3	0.1	25.1	25.2	-32%	12	37	706	29
	5	18.5	0.1	22.3	22.4	21%	18	35	748	25
	6	49.6	0.1	25.2	25.3	-49%	15	36	729	29
3 (420 states, 1502 trans.)	1	5.3	0.1	1.8	1.9	-64%	7	7	7	7
	2	4.9	0.1	0.5	0.6	-89%	16	13	13	13
	3	6.0	0.1	0.6	0.7	-89%	12	14	15	14
	4	84.1	0.1	4.4	4.5	-95%	2	14	14	12
	5	112.0	0.1	67.0	67.2	-40%	1	15	15	1
	6	111.8	0.1	82.2	82.3	-26%	1	12	12	1
4 (759 states, 2707 trans.)	1	17.9	0.2	72.0	72.2	303%	14	12	12	12
	2	13.7	0.1	2.1	2.3	-84%	21	18	18	18
	3	14.8	0.1	1.0	1.1	-93%	21	21	21	21
	4	44.9	0.3	0.4	0.6	-99%	12	13	13	13
	5	27.8	0.3	0.8	1.1	-96%	13	13	13	13
	6	21.8	0.2	6.3	6.4	-70%	13	14	14	14
5 (903 states, 3230 trans.)	1	59.4	0.2	39.1	39.3	-34%	13	72	798	15
	2	19.4	0.1	14.1	14.3	-26%	20	80	632	19
	3	24.4	0.2	6.5	6.6	-73%	17	78	670	17
	4	40.5	0.2	6.4	6.6	-84%	18	78	694	21
	5	19.4	0.2	2.2	2.3	-88%	22	84	543	23
	6	378.1	0.1	99.0	99.1	-74%	10	72	828	11

TABLE  
CMT experimental results, 8 levels, one measurement for each computation.

variant system	agent	runtime					# cells			
		SL [s]	isolate [s]	initialized localize [s]	TSL [s] (sum)	% change	SL	initial guess	isolated	TSL
1 (1525 states, 5407 trans.)	1	2978.8	2.9	7.3	10.2	-100%	9	9	9	9
	2	1445.2	1.9	3.7	5.6	-100%	11	11	11	11
	3	172.0	0.8	5.5	6.3	-96%	14	14	14	14
	4	550.3	0.4	9.6	10.0	-98%	23	23	23	23
	5	305.0	0.5	7.4	7.9	-97%	20	20	20	20
	6	654.6	1.5	5.7	7.2	-99%	11	11	11	11
	7	97.2	0.4	4.2	4.6	-95%	23	23	23	23
	8	294.9	0.5	27.2	27.7	-91%	18	18	18	18
2 (1547 states, 5446 trans.)	1	2822.4	0.2	426.5	426.7	-85%	11	34	1452	26
	2	389.0	0.2	144.3	144.6	-63%	18	38	1372	29
	3	277.9	0.3	185.7	186.0	-33%	21	47	1124	40
	4	647.4	0.2	247.5	247.7	-62%	15	37	1367	34
	5	2517.3	0.3	216.9	217.2	-91%	17	46	1130	39
	6	2066.4	0.2	421.8	422.0	-80%	13	34	1448	18
	7	325.2	0.2	1217.8	1218.0	275%	18	41	1296	27
	8	2855.3	0.2	2233.9	2234.1	-22%	10	32	1472	10
3 (570 states, 2032 trans.)	1	37.4	0.3	17.4	17.8	-52%	8	8	8	8
	2	25.1	0.1	2.2	2.2	-91%	11	20	20	20
	3	29.1	0.1	2.6	2.7	-91%	12	21	21	21
	4	440.1	0.2	521.1	521.2	18%	2	13	13	12
	5	729.9	0.2	422.9	423.1	-42%	1	13	13	1
	6	728.4	0.3	570.4	570.8	-22%	1	8	8	1
	7	729.4	0.2	433.9	434.1	-40%	1	16	16	1
	8	729.6	0.2	436.6	436.8	-40%	1	14	14	1
4 (1412 states, 5043 trans.)	1	3166.3	1.4	51.9	53.2	-98%	5	10	10	10
	2	101.7	0.4	11.5	11.9	-88%	23	21	21	21
	3	97.8	0.3	18.9	19.1	-80%	26	26	26	26
	4	162.4	1.3	4.0	5.3	-97%	22	13	13	13
	5	186.4	0.7	195.0	195.7	5%	25	27	914	40
	6	118.7	0.3	59.6	59.9	-50%	25	25	25	25
	7	2294.9	1.7	316.7	318.4	-86%	13	12	12	12
	8	156.2	0.3	4.3	4.6	-97%	20	23	23	23
5 (1606 states, 5748 trans.)	1	3795.8	0.6	3432.6	3433.1	-10%	10	89	1553	11
	2	132.1	0.4	25.1	25.5	-81%	28	108	1128	27
	3	279.2	0.3	137.1	137.5	-51%	17	97	1408	16
	4	145.7	0.5	29.6	30.1	-79%	29	109	1000	28
	5	196.4	0.3	30.3	30.6	-84%	18	99	1327	18
	6	1431.3	0.2	1277.1	1277.4	-11%	12	93	1484	12
	7	245.0	0.4	71.6	71.9	-71%	27	108	1055	27
	8	4696.0	0.4	4232.9	4233.3	-10%	9	90	1542	9