General

graph	States	height	Diam.	avg.SP	max. queue	max. stack
cadp/bitalt	270	21	24	11.0	10.3%	32.5%
cadp/cache	70643	21			14.6%	5.0%
cadp/overtaking	56482	145			1.7%	17.1%
cadp/rel_rel	113590	44			6.2%	0.0%
cadp/inres_protocol_int_6	7887	111			2.2%	9.5%
cadp/brp_protocol	60381	136			1.9%	15.1%
cadp/HAVi_asyn	5107	38			7.2%	8.2%
cadp/scen1_orig_3	43172	58			11.7%	0.1%
cadp/co4-3-1	25496	77			4.0%	0.3%
cadp/site123medium	11031	54			3.1%	19.7%
cadp/inv2d-p0-r2-a1	16110	524			0.3%	3.4%
divine/abp	11268	42			6.3%	20.1%
divine/el_fifo3	12192	52			6.9%	8.4%
divine/shuffle-3x3	181450	41			13.2%	61.9%
divine/small	145494	34			9.2%	0.0%
divine/bridge-4-5102025	7637	29			11.3%	0.4%
divine/machine	1539	127	127	35.4	1.2%	20.4%
divine/farmer2	52	10	11	4.6	17.3%	78.8%
divine/phil-basic-6	728	15	30	9.3	15.2%	67.8%
divine/brp5	6093	34			6.0%	17.2%
divine/msmie-1-2	1241	37	45	22.0	6.4%	10.4%
maso/pako	6561	16			16.8%	85.0%
maso/elevator2	643298	168			1.3%	10.1%
maso/puzzle50	56561	64			6.3%	0.1%
maso/ring5	7680	43			4.8%	41.4%
maso/abp	7286	48			3.9%	15.4%
mcrl/lift4-modif	129849	72			6.0%	0.2%
mcrl/hef_wrong	15349	90			7.3%	1.6%
mcrl/chatbox	65536	20			19.4%	77.5%
mcrl/onebit	319732	37			7.4%	30.9%
mcrl/1394-fin	371804	106			4.6%	4.1%
murphi/mcslock1	7597	48			4.8%	24.3%
murphi/sci3	38034	45			6.3%	3.2%
murphi/cache4	15703	23			13.2%	21.6%
murphi/arbiter	1778	46	50	16.6	4.6%	11.4%
murphi/ns	980	11	11	4.5	38.9%	1.2%
murphi/eadash	1694	24	33	13.7	9.7%	24.8%
murphi/sort5	3000	20			14.3%	4.0%
murphi/peterson3	882	25	34	14.6	8.1%	16.4%
spin/petersonN	30432	104			2.2%	17.2%
spin/test2-rw6	936	27	27	8.1	25.6%	13.0%
spin/test2-ring-5	7744	48			4.9%	6.8%
spin/test2-abp	442	37	53	26.7	10.8%	20.3%
spin/sliding2	35861	66			3.6%	11.1%
spin/cambridge00	162530	316			0.4%	3.0%
spin/mobile1	225670	143			1.6%	1.1%
spin/sort	107728	149			1.7%	0.1%
spin/fgs	57786	189			1.3%	2.3%
spin/smcs	5904	102			4.0%	1.7%
spin/n-s-original.red	307218	35			17.0%	0.0%
spin/brp.red	391312	234			1.1%	3.9%
spin/pftp.red	137897	193			1.5%	0.8%
spin/snoopy.red	14361	75			4.0%	12.0%
spin/leader	15791	108			3.2%	0.6%
spin/phil5	54049	57			7.1%	4.5%

Degrees

graph	Average	Max out	Max in	Out-dg=1	In-dg=1
cadp/bitalt	2.7	8	9	0.0%	18.1%
cadp/cache	3.6	6	35	0.9%	20.2%
cadp/overtaking	3.1	6	9	1.8%	7.0%
cadp/rel_rel	3.3	13	156	9.7%	16.2%
cadp/inres_protocol_int_6	2.4	4	18	12.1%	29.2%
cadp/brp_protocol	1.2	4	8	82.5%	88.5%
cadp/HAVi_asyn	3.6	6	41	1.0%	19.1%
cadp/scen1_orig_3	1.3	5	11	75.5%	80.3%
cadp/co4-3-1	2.1	7	226	25.4%	27.0%
cadp/site123medium	3.1	8	12	9.9%	4.5%
cadp/inv2d-p0-r2-a1	1.4	4	6	69.2%	56.4%
divine/abp	3.7	7	9	0.0%	3.1%
divine/el_fifo3	2.6	5	8	3.8%	17.7%
divine/shuffle-3x3	2.6	4	4	0.0%	0.0%
divine/small	2.2	4	54	17.0%	42.2%
divine/bridge-4-5102025	1.5	4	10	35.6%	69.6%
divine/machine	1.4	4	7	68.4%	58.2%
divine/farmer2	2.8	4	4	3.8%	3.8%
divine/phil-basic-6	3.9	6	6	0.8%	1.6%
divine/brp5	3.2	8	9	6.2%	5.1%
divine/msmie-1-2	1.6	4	5	50.2%	51.0%
maso/pako	8.0	8	8	0.0%	0.0%
maso/elevator2	3.2	5	10	0.0%	1.5%
maso/puzzle50	2.0	3	104	0.0%	58.0%
maso/ring5	5.0	5	10	0.0%	0.5%
maso/abp	3.6	6	10	0.0%	3.1%
mcrl/lift4-modif	3.0	11	22	22.1%	14.4%
mcrl/hef_wrong	1.7	13	14	56.6%	51.7%
mcrl/chatbox	7.0	16	16	0.0%	0.0%
mcrl/onebit	5.4	12	22	0.0%	8.2%
mcrl/1394-fin	1.7	25	28	73.3%	69.9%
murphi/mcslock1	2.6	3	9	1.8%	26.1%
murphi/sci3	2.1	10	456	0.0%	63.5%
murphi/cache4	2.9	7	31	9.9%	54.8%
murphi/arbiter	3.0	6	10	6.8%	18.1%
murphi/ns	2.3	162	76	65.9%	67.1%
murphi/eadash	2.7	5	16	0.0%	26.2%
murphi/sort5	2.2	3	3	0.0%	0.0%
murphi/peterson3	2.3	3	7	2.0%	14.9%
spin/petersonN	2.7	3	6	0.3%	2.0%
spin/test2-rw6	1.3	13	13	43.6%	93.0%
spin/test2-ring-5	1.3	10	6	42.5%	83.7%
spin/test2-abp	1.1	3	4	15.8%	88.0%
spin/sliding2	1.4	4	6	64.3%	64.7%
spin/cambridge00	2.1	5	13	20.1%	22.4%
spin/mobile1	1.8	7	7	30.0%	61.2%
spin/sort	4.7	8	8	0.1%	0.1%
spin/fgs	1.0	14	37	99.5%	98.7%
spin/smcs	3.2	7	7	22.7%	22.7%
spin/n-s-original.red	1.0	66	3	15.4%	98.7%
spin/brp.red	1.3	6	13	38.1%	83.8%
spin/pftp.red	1.9	8	9	54.9%	56.5%
spin/snoopy.red	2.0	15	15	55.8%	55.5%
spin/leader	3.6	5	5	0.6%	0.6%
spin/phil5	4.5	5	10	0.0%	0.2%

Back level edges

graph	count	max length	1-local
cadp/bitalt	43.3%	18	77.1%
cadp/cache	32.5%	8	67.4%
cadp/overtaking	24.3%	47	75.6%
cadp/rel_rel	40.6%	16	80.4%
cadp/inres_protocol_int_6	32.9%	62	76.5%
cadp/brp_protocol	13.5%	66	87.4%
cadp/HAVi_asyn	51.4%	24	60.5%
cadp/scen1_orig_3	3.7%	3	99.8%
cadp/co4-3-1	4.2%	76	95.7%
cadp/site123medium	28.0%	43	81.1%
cadp/inv2d-p0-r2-a1	0.4%	511	99.5%
divine/abp	25.9%	21	90.5%
divine/el_fifo3	31.6%	39	80.9%
divine/shuffle-3x3	49.9%	1	100%
divine/small	0.0%	0	100%
divine/bridge-4-5102025	14.7%	13	92.8%
divine/machine	17.1%	65	93.7%
divine/farmer2	50.0%	1	100%
divine/phil-basic-6	33.1%	3	66.8%
divine/brp5	15.1%	25	92.6%
divine/msmie-1-2	10.4%	18	89.5%
maso/pako	33.3%	2	66.6%
maso/elevator2	12.7%	76	87.2%
maso/puzzle50	28.6%	39	71.3%
maso/ring5	29.7%	22	70.2%
maso/abp	37.1%	25	79.3%
mcrl/lift4-modif	15.0%	33	87.4%
mcrl/hef_wrong	7.6%	65	93.8%
mcrl/chatbox	50.0%	1	100%
mcrl/onebit	51.7%	23	55.3%
mcrl/1394-fin	11.3%	75	96.4%
murphi/mcslock1	30.4%	17	70.7%
murphi/sci3	42.4%	40	70.7%
murphi/cache4	39.2%	13	63.7%
murphi/arbiter	44.6%	17	60.9%
murphi/ns	24.8%	1	100%
murphi/eadash	37.4%	17	72.3%
murphi/sort5	23.1%	6	80.1%
murphi/peterson3	8.9%	7	91.0%
spin/petersonN	2.6%	75	97.3%
spin/test2-rw6	15.6%	3	84.3%
spin/test2-ring-5	4.0%	25	95.9%
spin/test2-abp	10.4%	23	89.5%
spin/sliding2	2.8%	39	97.1%
spin/cambridge00	17.5%	113	84.0%
spin/mobile1	1.8%	51	98.3%
spin/sort	0.0%	0	100%
spin/fgs	4.8%	143	95.2%
spin/smcs	0.0%	0	100%
spin/n-s-original.red	0.0%	0	100%
spin/brp.red	12.5%	79	87.5%
spin/pftp.red	6.9%	59	93.0%
spin/snoopy.red	23.5%	43	79.3%
spin/leader	0.0%	0	100%
spin/phil5	8.9%	7	91.0%

Strongly connected components

graph	count	height	nontriv. h.	ter.comp.
cadp/bitalt	4	3	2	1
cadp/cache	39799	99	32	22
cadp/overtaking	893	63	47	1
cadp/rel_rel	113590	63	0	1653
cadp/inres_protocol_int_6	44	21	8	1
cadp/brp_protocol	12	5	3	1
cadp/HAVi_asyn	9	2	2	4
cadp/scen1_orig_3	43052	62	2	1204
cadp/co4-3-1	25496	83	0	1
cadp/site123medium	1	0	0	1
cadp/inv2d-p0-r2-a1	7785	12	9	6
divine/abp	22	8	8	1
divine/el_fifo3	2998	133	111	6
divine/shuffle-3x3	11	10	1	1
divine/small	145494	34	0	2403
divine/bridge-4-5102025	7637	57	0	1133
divine/machine	603	115	10	170
divine/farmer2	1	0	0	1
divine/phil-basic-6	2	1	1	1
divine/brp5	1522	21	2	24
divine/msmie-1-2	17	6	5	1
maso/pako	1	0	0	1
maso/elevator2	146	15	8	1
maso/puzzle50	55072	137	18	2
maso/ring5	1	0	0	1
maso/abp	241	55	50	1
mcrl/lift4-modif	3629	30	1	4
mcrl/hef_wrong	473	25	1	32
mcrl/chatbox	1	0	0	1
mcrl/onebit	293	22	15	1
mcrl/1394-fin	2	1	1	1
murphi/mcslock1	1	0	0	1
murphi/sci3	1	0	0	1
murphi/cache4	1	0	0	1
murphi/arbiter	478	31	6	14
murphi/ns	406	11	6	313
murphi/eadash	1	0	0	1
murphi/sort5	120	10	10	1
murphi/peterson3	382	21	6	1
spin/petersonN	836	30	2	1
spin/test2-rw6	471	15	2	456
spin/test2-ring-5	4455	40	24	3163
spin/test2-abp	223	9	2	212
spin/sliding2	2102	67	1	1
spin/cambridge00	1	0	0	1
spin/mobile1	104716	89	12	66951
spin/sort	107728	149	0	1
spin/fgs	2114	20	2	1
spin/smcs	5904	102	0	1
spin/n-s-original.red	307218	35	0	255478
spin/brp.red	132041	183	7	97355
spin/pftp.red	121777	421	49	1
spin/snoopy.red	6683	86	15	81
spin/leader	15791	108	0	1
spin/phil5	781	27	13	1

Largest component

graph	trivial	largest size	largest component	triv.+large.
cadp/bitalt	0.7%	97.7%	the only terminal	98.5%
cadp/cache	55.1%	23.9%		79.0%
cadp/overtaking	0.8%	83.4%	the only terminal	84.2%
cadp/rel_rel	100%	0.0%	terminal	100.0%
cadp/inres_protocol_int_6	0.4%	95.8%	the only terminal	96.3%
cadp/brp_protocol	0.0%	93.7%	the only terminal	93.7%
cadp/HAVi_asyn	0.0%	27.5%	terminal	27.5%
cadp/scen1_orig_3	99.6%	0.0%		99.6%
cadp/co4-3-1	100%	0.0%	the only terminal	100.0%
cadp/site123medium	0.0%	100%	initial the only terminal	100%
cadp/inv2d-p0-r2-a1	48.1%	3.4%		51.6%
divine/abp	0.0%	94.5%	the only terminal	94.5%
divine/el_fifo3	15.2%	28.4%		43.6%
divine/shuffle-3x3	0.0%	99.9%	the only terminal	100%
divine/small	100%	0.0%	terminal	100.0%
divine/bridge-4-5102025	100%	0.0%	terminal	100.0%
divine/machine	38.8%	49.9%		88.8%
divine/farmer2	0.0%	100%	initial the only terminal	100%
divine/phil-basic-6	0.1%	99.8%	initial	100%
divine/brp5	24.9%	75.0%		100%
divine/msmie-1-2	0.5%	57.0%	the only terminal	57.6%
maso/pako	0.0%	100%	initial the only terminal	100%
maso/elevator2	0.0%	99.9%	the only terminal	99.9%
maso/puzzle50	96.5%	0.0%	terminal	96.5%
maso/ring5	0.0%	100%	initial the only terminal	100%
maso/abp	1.1%	67.3%		68.5%
mcrl/lift4-modif	2.7%	24.3%	terminal	27.0%
mcrl/hef_wrong	3.0%	24.2%	terminal	27.2%
mcrl/chatbox	0.0%	100%	initial the only terminal	100%
mcrl/onebit	0.0%	99.7%	the only terminal	99.8%
mcrl/1394-fin	0.0%	99.9%	the only terminal	100%
murphi/mcslock1	0.0%	100%	initial the only terminal	100%
murphi/sci3	0.0%	100%	initial the only terminal	100%
murphi/cache4	0.0%	100%	initial the only terminal	100%
murphi/arbiter	26.6%	41.6%		68.3%
murphi/ns	39.3%	7.6%		47.0%
murphi/eadash	0.0%	100%	initial the only terminal	100%
murphi/sort5	0.0%	0.8%	the only terminal	0.8%
murphi/peterson3	41.1%	37.0%	the only terminal	78.2%
spin/petersonN	2.7%	93.7%	the only terminal	96.5%
spin/test2-rw6	50.2%	49.7%		100%
spin/test2-ring-5	55.3%	31.4%		86.7%
spin/test2-abp	50.2%	49.7%		100%
spin/sliding2	5.8%	94.1%	the only terminal	100%
spin/cambridge00	0.0%	100%	initial the only terminal	100%
spin/mobile1	46.2%	4.1%		50.3%
spin/sort	100%	0.0%	the only terminal	100.0%
spin/fgs	3.6%	50.0%	the only terminal	53.6%
spin/smcs	100%	0.0%	the only terminal	100.0%
spin/n-s-original.red	100%	0.0%	terminal	100.0%
spin/brp.red	33.6%	55.2%		88.8%
spin/pftp.red	87.1%	3.1%	the only terminal	90.2%
spin/snoopy.red	46.2%	52.1%		98.3%
spin/leader	100%	0.0%	the only terminal	100.0%
spin/phil5	0.3%	7.8%	the only terminal	8.1%

Neighborhood and Clustering

graph	N2	N3	N4	C2	C3	C4	diamonds
cadp/bitalt	9.4	18.6	30.5	1.2	1.6	1.9	97.7%
cadp/cache	12.9	30.7	68.6	1.2	1.4	1.5	91.4%
cadp/overtaking	10.8	21.2	34.5	1.3	1.6	2.0	96.9%
cadp/rel_rel	10.5	20.1	33.7	1.3	1.5	1.6	76.6%
cadp/inres_protocol_int_6	7.4	13.4	21.8	1.2	1.3	1.4	76.3%
cadp/brp_protocol	3.7	5.7	8.1	1.0	1.0	1.0	0.0%
cadp/HAVi_asyn	13.5	30.5	58.4	1.3	1.5	1.7	94.5%
cadp/scen1_orig_3	3.8	5.7	7.8	1.0	1.0	1.0	12.9%
cadp/co4-3-1	6.2	10.1	14.8	1.2	1.3	1.3	69.5%
cadp/site123medium	10.6	21.6	37.9	1.3	1.5	1.7	86.7%
cadp/inv2d-p0-r2-a1	4.3	6.9	10.3	1.0	1.0	1.0	0.0%
divine/abp	12.4	25.4	45.6	1.4	1.7	2.0	100%
divine/el_fifo3	8.8	17.0	27.2	1.3	1.5	1.7	94.6%
divine/shuffle-3x3	8.5	17.4	32.5	1.3	1.4	1.5	99.9%
divine/small	7.0	12.4	20.1	1.1	1.2	1.2	64.5%
divine/bridge-4-5102025	5.2	9.7	16.9	1.0	1.0	1.0	9.1%
divine/machine	4.4	7.4	11.4	1.0	1.0	1.0	0.0%
divine/farmer2	8.6	16.0	25.3	1.4	1.7	1.9	96.1%
divine/phil-basic-6	14.7	34.4	67.5	1.4	1.6	2.0	98.2%
divine/brp5	10.1	18.5	29.6	1.3	1.5	1.7	89.9%
divine/msmie-1-2	4.9	7.7	11.3	1.1	1.1	1.1	42.3%
maso/pako	45.0	157	423	1.6	2.3	2.9	100%
maso/elevator2	11.1	23.4	43.0	1.3	1.5	1.7	99.9%
maso/puzzle50	6.2	11.0	17.9	1.1	1.2	1.3	75.9%
maso/ring5	21.0	53.3	108.7	1.4	2.0	2.4	100%
maso/abp	12.3	25.6	46.0	1.4	1.7	2.0	100%
mcrl/lift4-modif	10.1	21.0	39.6	1.2	1.3	1.4	61.5%
mcrl/hef_wrong	5.4	9.3	14.9	1.0	1.1	1.1	16.8%
mcrl/chatbox	40.2	165	570.1	1.6	2.1	2.6	100%
mcrl/onebit	22.2	57.3	124.9	1.4	1.8	2.2	98.5%
mcrl/1394-fin	5.5	9.6	15.9	1.0	1.0	1.1	14.6%
murphi/mcslock1	8.7	17.2	30.6	1.2	1.4	1.5	96.4%
murphi/sci3	8.4	18.1	35.0	1.1	1.3	1.4	86.5%
murphi/cache4	12.0	30.4	69.6	1.2	1.3	1.4	79.9%
murphi/arbiter	10.7	22.4	40.1	1.2	1.4	1.5	84.3%
murphi/ns	32.1	35.4	48.6	1.5	1.8	1.8	2.0%
murphi/eadash	9.1	18.5	33.6	1.3	1.5	1.6	93.1%
murphi/sort5	7.0	13.0	22.5	1.1	1.2	1.3	100%
murphi/peterson3	7.1	12.4	19.4	1.2	1.3	1.4	94.1%
spin/petersonN	8.8	16.6	27.3	1.3	1.5	1.6	99.5%
spin/test2-rw6	7.8	15.5	47.5	1.0	1.0	1.0	0.0%
spin/test2-ring-5	5.9	11.1	20.9	1.0	1.0	1.0	3.3%
spin/test2-abp	3.6	5.2	7.0	1.0	1.0	1.0	0.2%
spin/sliding2	4.8	8.1	12.6	1.0	1.0	1.0	6.5%
spin/cambridge00	6.7	12.3	20.1	1.1	1.2	1.3	77.2%
spin/mobile1	6.5	11.9	18.6	1.0	1.1	1.2	31.5%
spin/sort	17.9	41.3	79.0	1.5	1.9	2.2	99.8%
spin/fgs	3.7	6.1	9.1	1.0	1.0	1.0	0.0%
spin/smcs	11.3	23.2	39.5	1.3	1.5	1.7	74.8%
spin/n-s-original.red	4.4	6.8	9.3	1.0	1.0	1.0	0.0%
spin/brp.red	4.2	6.4	8.9	1.1	1.1	1.1	12.7%
spin/pftp.red	5.4	9.0	13.8	1.1	1.2	1.3	32.1%
spin/snoopy.red	5.2	8.7	13.3	1.2	1.3	1.3	24.8%
spin/leader	13.1	28.6	53.4	1.4	1.7	1.9	99.3%
spin/phil5	18.1	45.0	93.8	1.4	1.8	2.1	99.9%

Cycles

graph	shortest	2	3	4	5	6
cadp/bitalt	3		90.3%			
cadp/cache	3		14.1%			6.9%
cadp/overtaking	3		90.6%			
cadp/rel_rel	-1					
cadp/inres_protocol_int_6	5				23.2%	
cadp/brp_protocol	20					
cadp/HAVi_asyn	4			55.2%		20.8%
cadp/scen1_orig_3	4			0.3%		
cadp/co4-3-1	-1					
cadp/site123medium	2	48.1%		25.0%		
cadp/inv2d-p0-r2-a1	4			1.0%		
divine/abp	2	62.3%				
divine/el_fifo3	2	49.7%	23.3%			4.9%
divine/shuffle-3x3	2	99.9%				
divine/small	-1					
divine/bridge-4-5102025	-1					
divine/machine	12					
divine/farmer2	2	100%				
divine/phil-basic-6	4			99.8%		
divine/brp5	18					
divine/msmie-1-2	3		1.7%			21.2%
maso/pako	3		100%			
maso/elevator2	5				46.9%	
maso/puzzle50	4			3.3%		
maso/ring5	3		99.6%			
maso/abp	2	60.6%		23.8%		
mcrl/lift4-modif	16					
mcrl/hef_wrong	2	5.4%		2.7%		
mcrl/chatbox	2	100%				
mcrl/onebit	3		51.0%	7.7%	3.2%	
mcrl/1394-fin	2	7.6%		0.1%		
murphi/mcslock1	5				24.0%	
murphi/sci3	2	18.4%			10.7%	34.2%
murphi/cache4	6					33.4%
murphi/arbiter	5				7.3%	2.9%
murphi/ns	2	60.6%				
murphi/eadash	2	30.6%		30.4%	7.5%	
murphi/sort5	5				100%	
murphi/peterson3	8					
spin/petersonN	76					
spin/test2-rw6	4			49.7%		
spin/test2-ring-5	6					26.4%
spin/test2-abp	4			14.4%		
spin/sliding2	40					
spin/cambridge00	5				0.1%	0.0%
spin/mobile1	2	0.8%				
spin/sort	-1					
spin/fgs	10					
spin/smcs	-1					
spin/n-s-original.red	-1					
spin/brp.red	2	0.2%				
spin/pftp.red	3		3.6%			
spin/snoopy.red	5				10.0%	
spin/leader	-1					
spin/phil5	8					