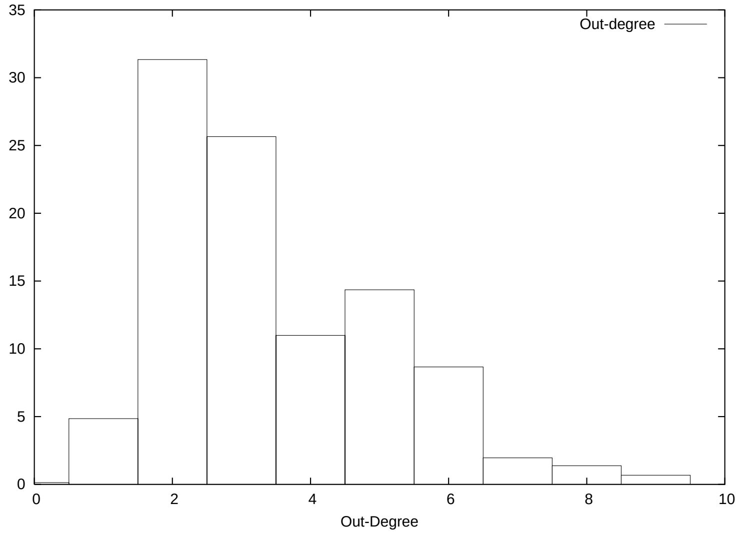
Graph: spin/snoopy

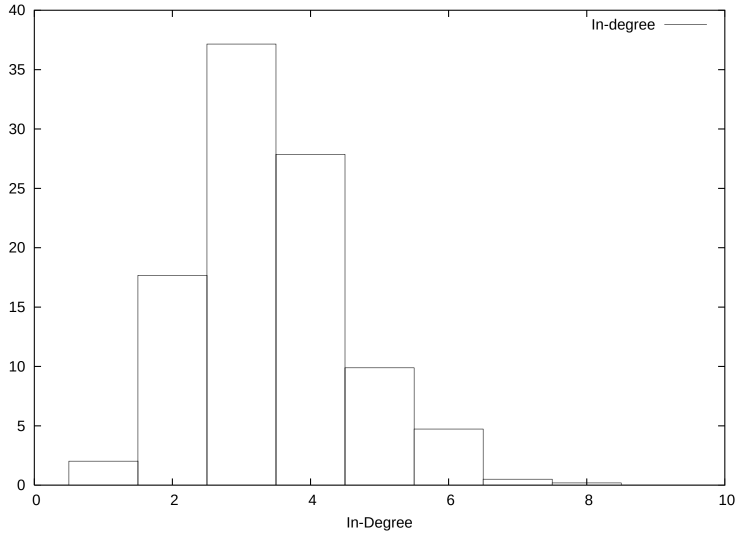
General Info

Example title	Snooping cache algorithm
Parameter	
Reduction	
Modification	
States	61,624
Edges	211,402
Average degree	3.4

Out-Degrees distribution:



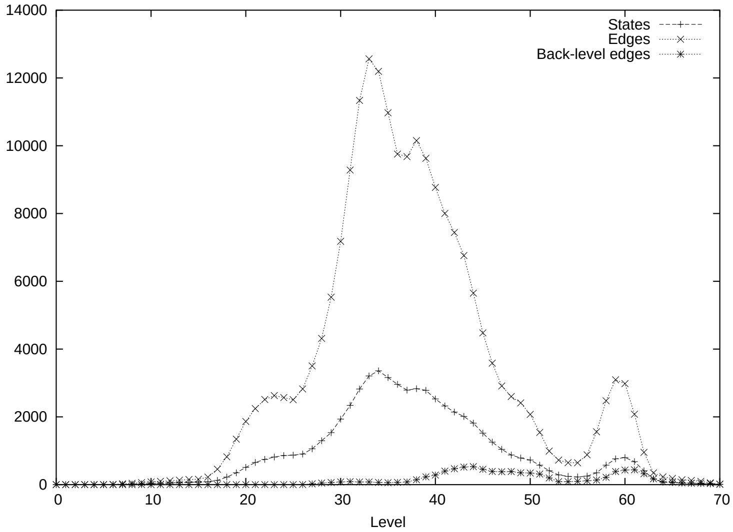
In-Degrees distribution:



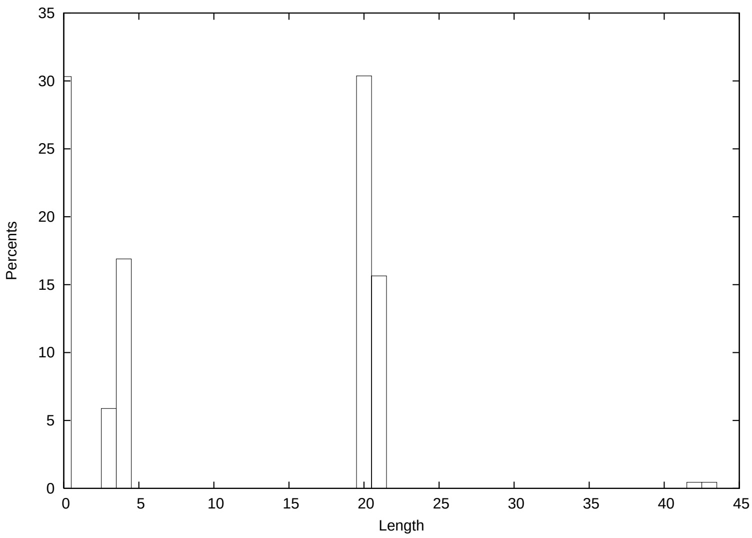
BFS Info

BFS height	70
BFS width	3,358 (5.4%)
Back level edges	8,950 (4.2%)

BFS level info:



Back level edges lengths:



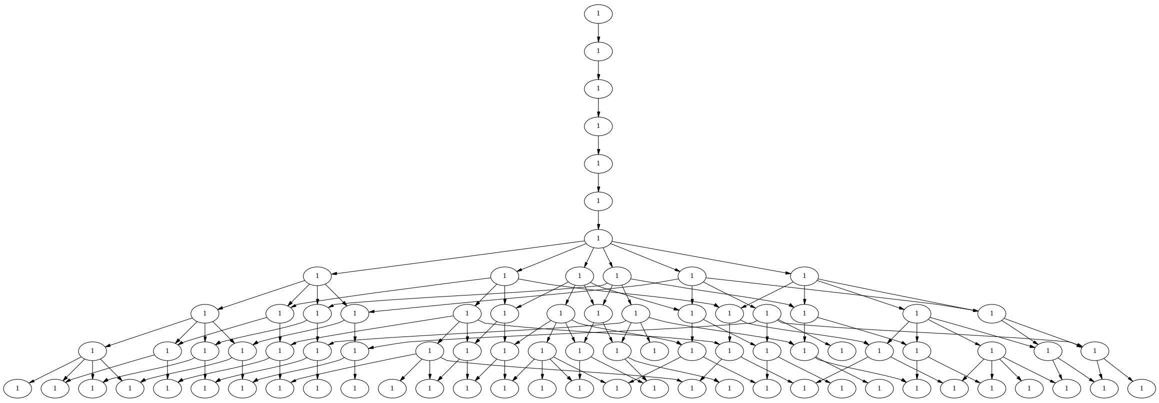
SCC Info

SCC components	32,772
SCC quetient height	85
SCC quetient nontrivial height	25
Number of terminal components	81
The largest component is	intermediate

Statistics according to **sizes**:

Size	Number of components	Number of states here
27,965	1	45.3%
5	222	1.8%
1	32,549	52.8%

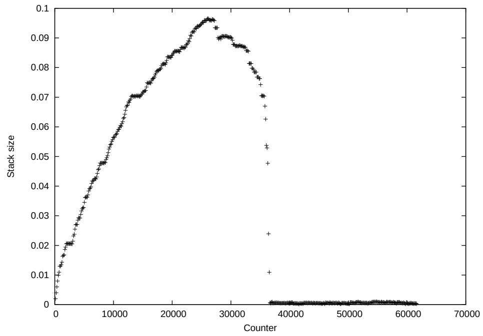
SCC component graph (part):



DFS Info

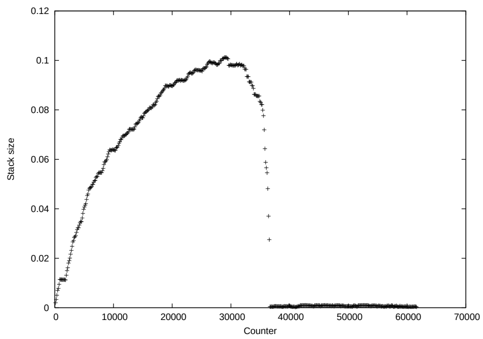
Run 0

front-edges : back-edges : cross-edges = 61,623 : 14,406 : 135,373 = 29.1%:6.8%:64%
Max. stack size: 5,958 (9.6%)
Shortest cycle detected: 5
Most often detected lengths of cycles: 5 (889), 59 (118), 64 (95), 118 (87), 354 (79)
Stack graph:



Run 1

front-edges : back-edges : cross-edges = 61,623 : 15,444 : 134,335 = 29.1%:7.3%:63.5%
Max. stack size: 6,252 (10.1%)
Shortest cycle detected: 5
Most often detected lengths of cycles: 5 (881), 59 (138), 54 (131), 366 (77), 1221 (74)
Stack graph:



Local Structure

Short cycles(up to 6)

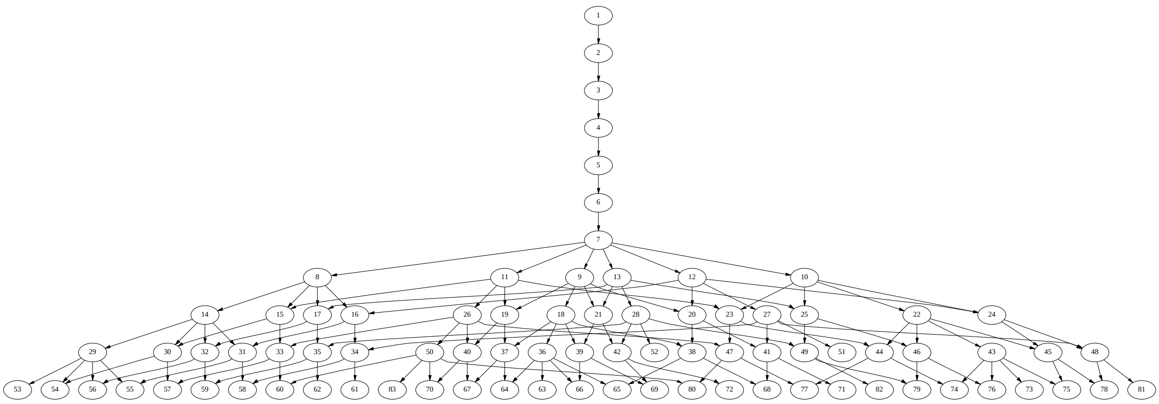
2	0	(0%)
3	0	(0%)
4	0	(0%)
5	8,379	(13.5%)

Diamonds
58,141 (94.3%)

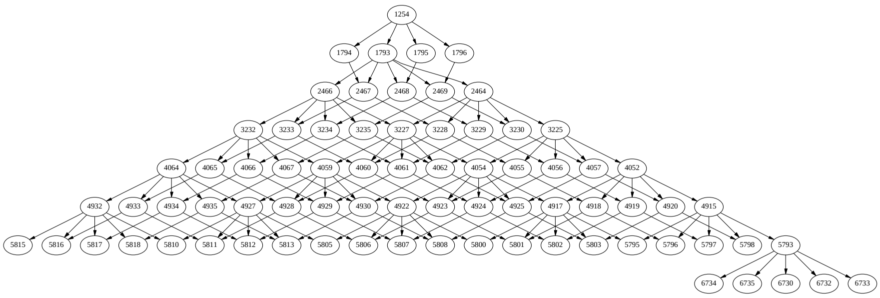
Neighborhoods

k	avg size	avg clustering
1	4.4	1
2	11.6	1.3
3	23.1	1.5
4	38.4	1.7

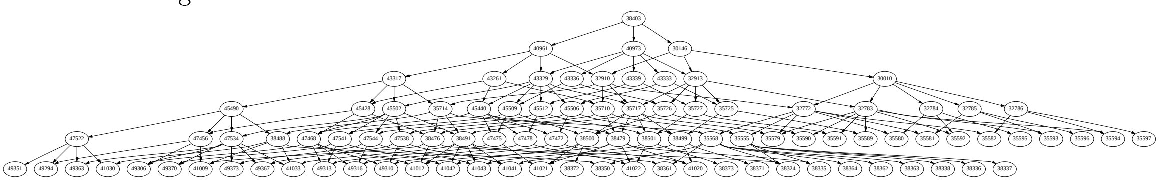
Visualization of some parts of the state state space:
Initial walk length: 0



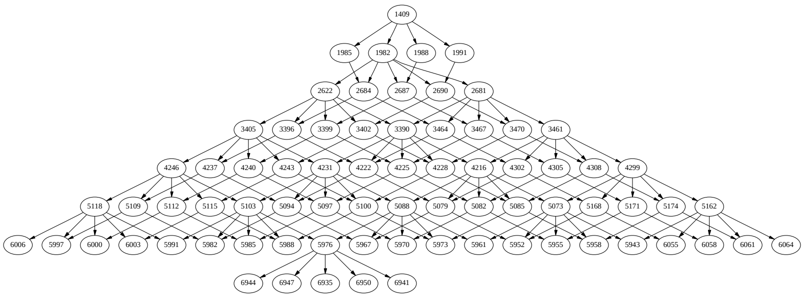
Initial walk length: 20



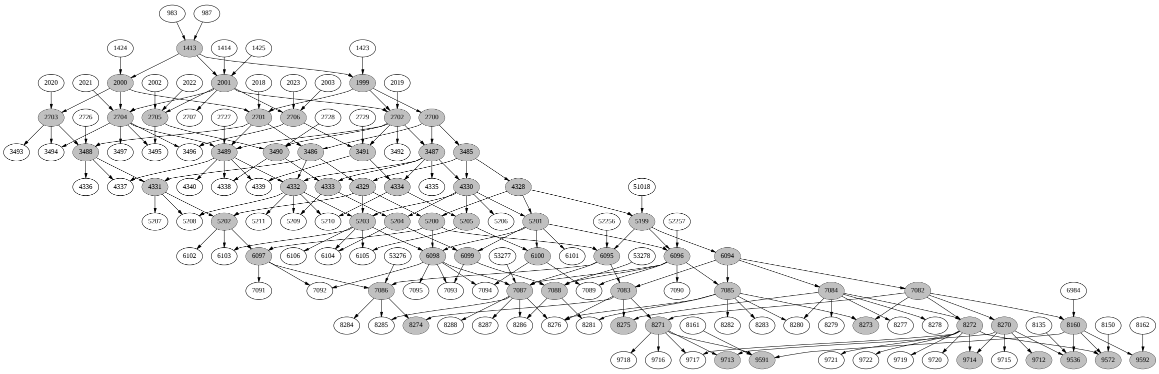
Initial walk length: 40



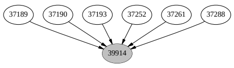
Initial walk length: 60



Initial walk length: 20



Initial walk length: 40



Initial walk length: 60