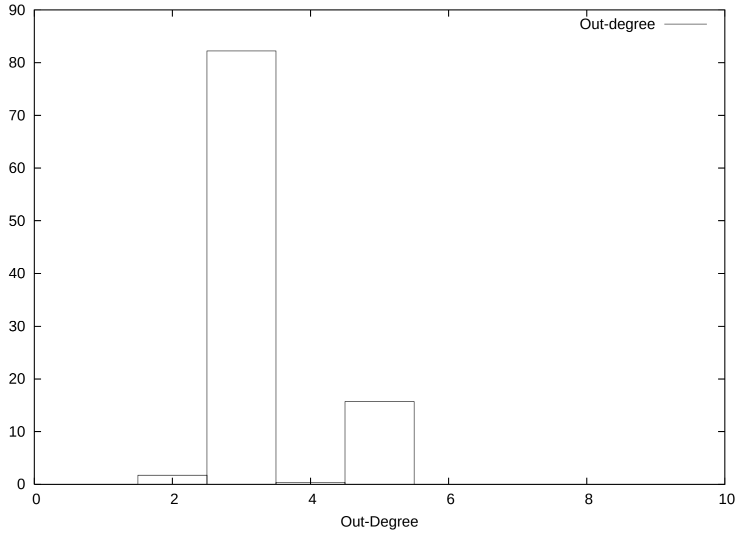
Graph: maso/elevator1

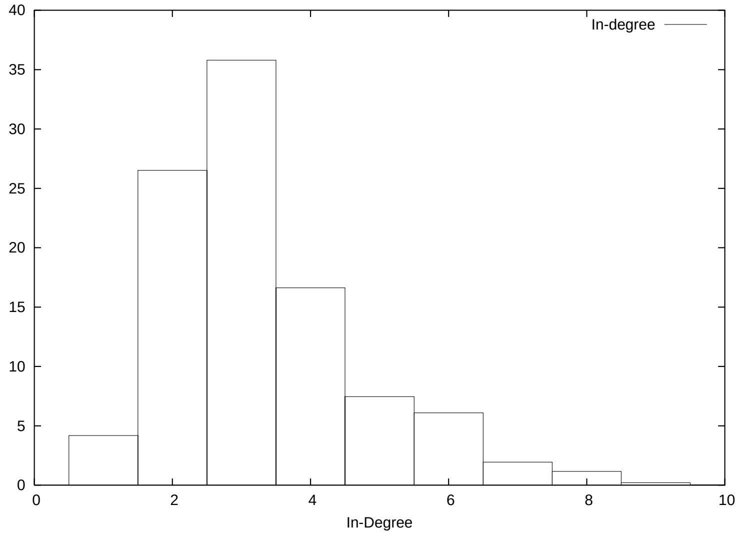
General Info

Example title	Elevator
Parameter	
Reduction	
Modification	without arrays
States	142,757
Edges	471,104
Average degree	3.3

Out-Degrees distribution:



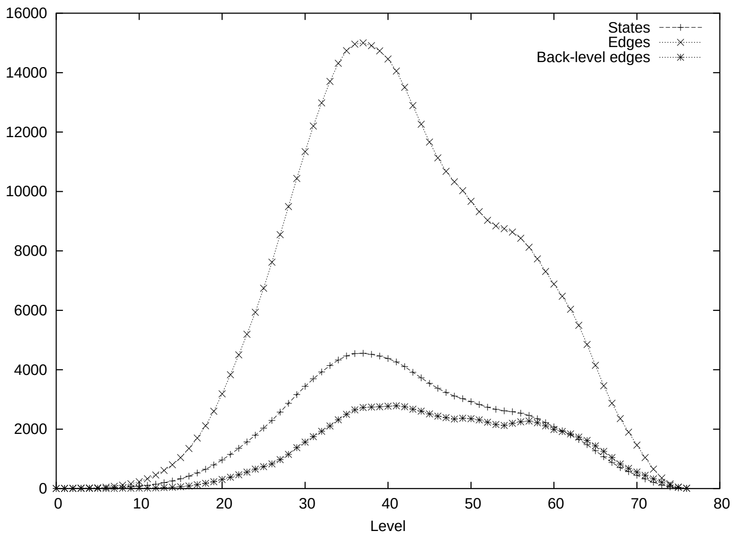
In-Degrees distribution:



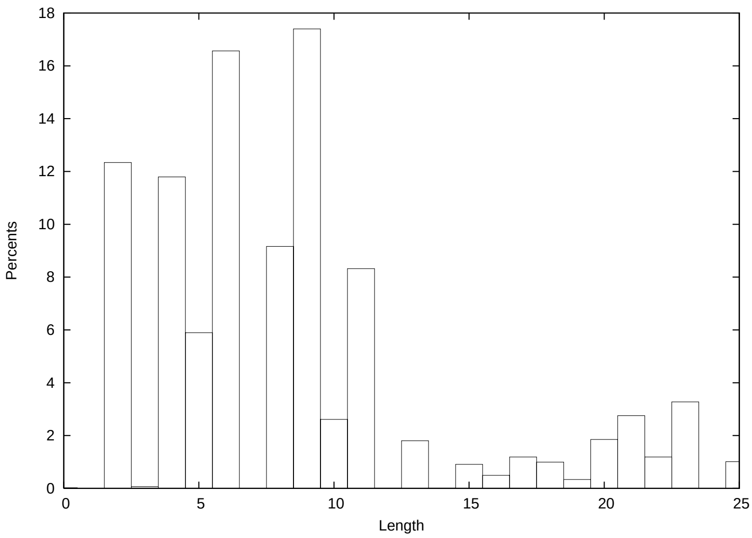
BFS Info

BFS height	76
BFS width	4,553 (3.1%)
Back level edges	95,176 (20.2%)

BFS level info:



Back level edges lengths:



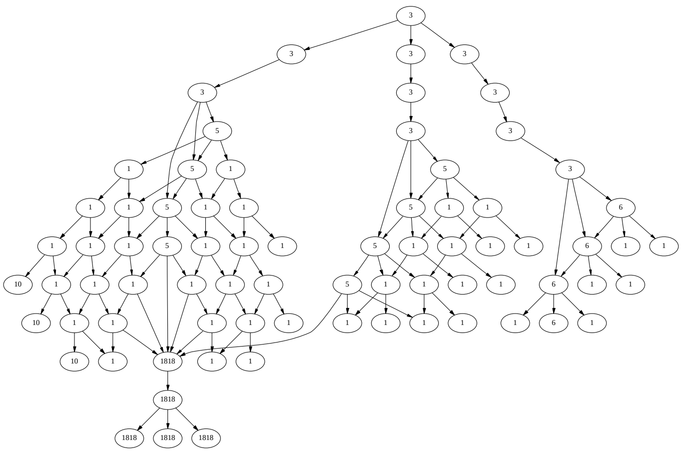
SCC Info

SCC components	4,282
SCC quetient height	45
SCC quetient nontrivial height	37
Number of terminal components	1
The largest component is	the only terminal

Statistics according to **sizes**:

Size	Number of components	Number of states here
101,376	1	71%
1,818	17	21.6%
16	126	1.4%
11	202	1.5%
10	101	0.7%
6	76	0.3%
5	152	0.5%
3	202	0.4%
1	3,405	2.3%

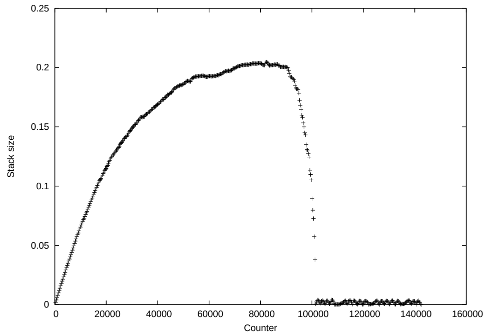
SCC component graph (part):



DFS Info

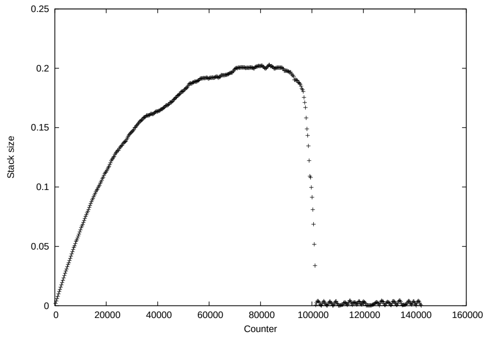
Run 0

front-edges : back-edges : cross-edges = 142,756 : 95,375 : 232,973 = 30.3%:20.2%:49.4%
Max. stack size: 29,256 (20.4%)
Shortest cycle detected: 3
Most often detected lengths of cycles: 5 (5743), 6 (2780), 3 (2152), 11 (1663), 10 (952)
Stack graph:



Run 1

front-edges : back-edges : cross-edges = 142,756 : 95,646 : 232,702 = 30.3%:20.3%:49.3%
Max. stack size: 28,980 (20.3%)
Shortest cycle detected: 3
Most often detected lengths of cycles: 5 (5671), 6 (2759), 3 (2153), 11 (1681), 10 (901)
Stack graph:



Local Structure

Short cycles(up to 6)

2	0	(0%)
3	10,542	(7.3%)
4	0	(0%)
5	56,120	(39.3%)
6	33,672	(23.5%)

Diamonds

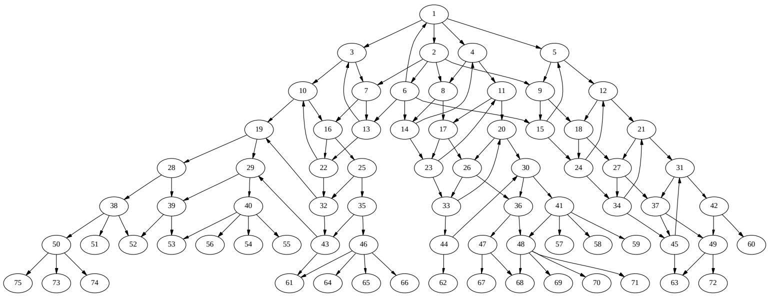
142,673 (99.9%)

Neighborhoods

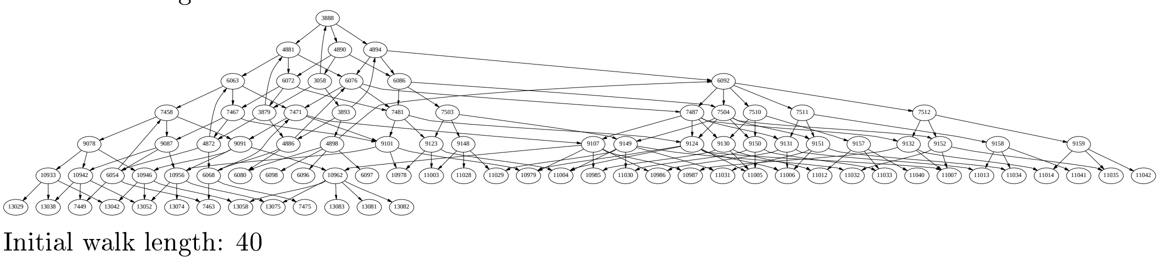
k	avg size	avg clustering
1	4.3	1
2	11.5	1.3
3	24.9	1.5
4	46.9	1.7

Visualization of some parts of the state state space:

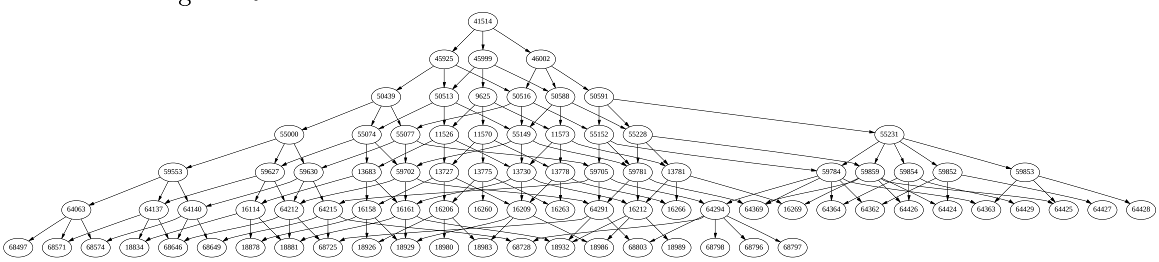
Initial walk length: 0



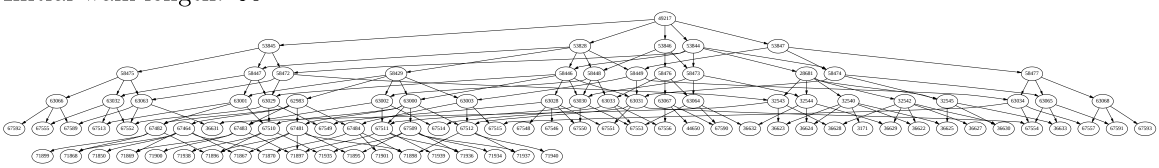
Initial walk length: 20



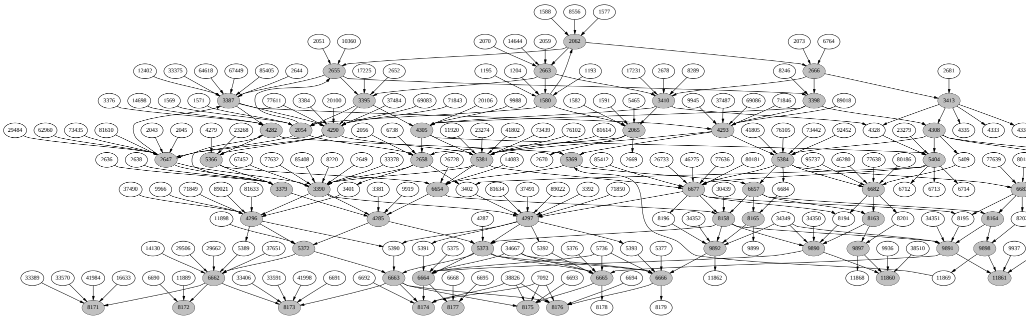
Initial walk length: 40



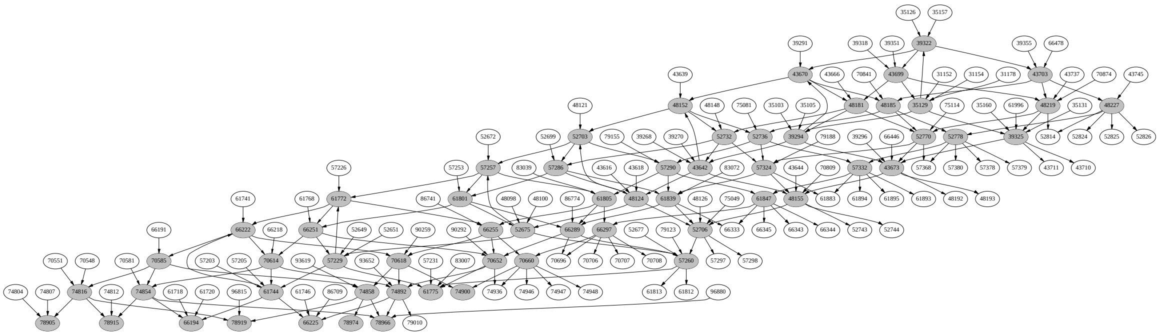
Initial walk length: 60



Initial walk length: 20



Initial walk length: 40



Initial walk length: 60