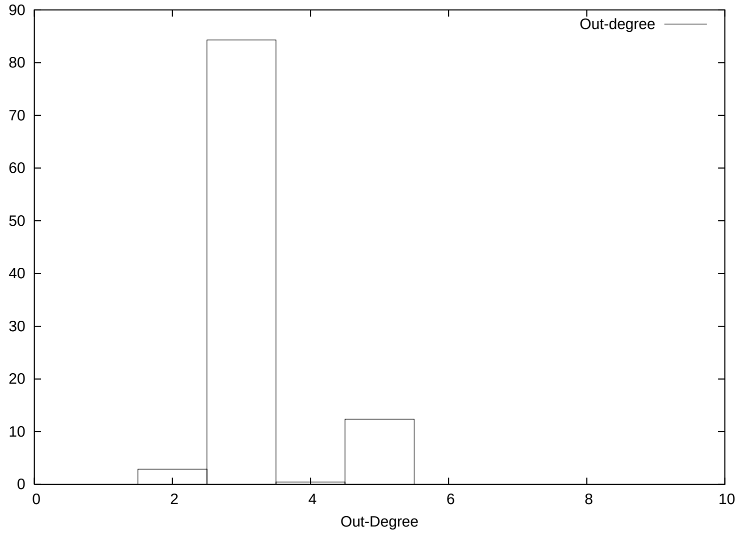
Graph: maso/elevator2

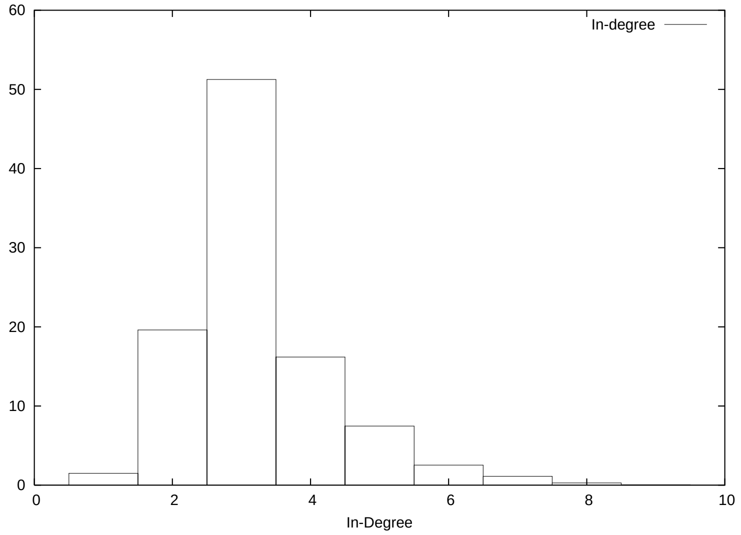
General Info

Example title	Elevator
Parameter	
Reduction	
Modification	with arrays
States	643,298
Edges	2,073323
Average degree	3.2

Out-Degrees distribution:



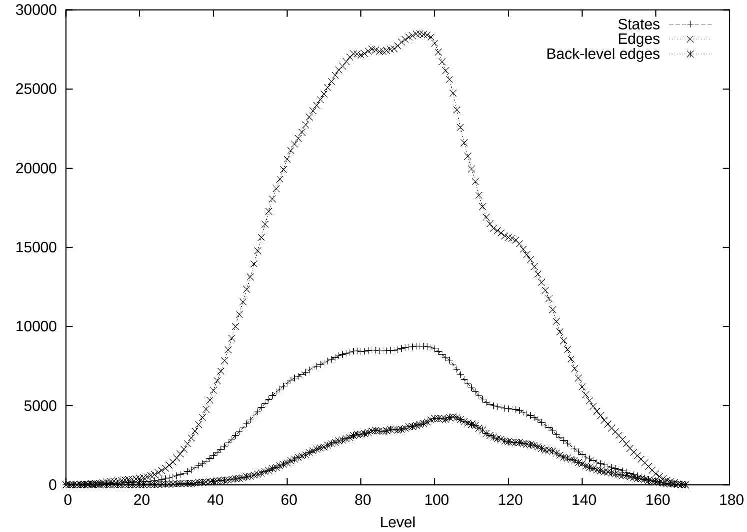
In-Degrees distribution:



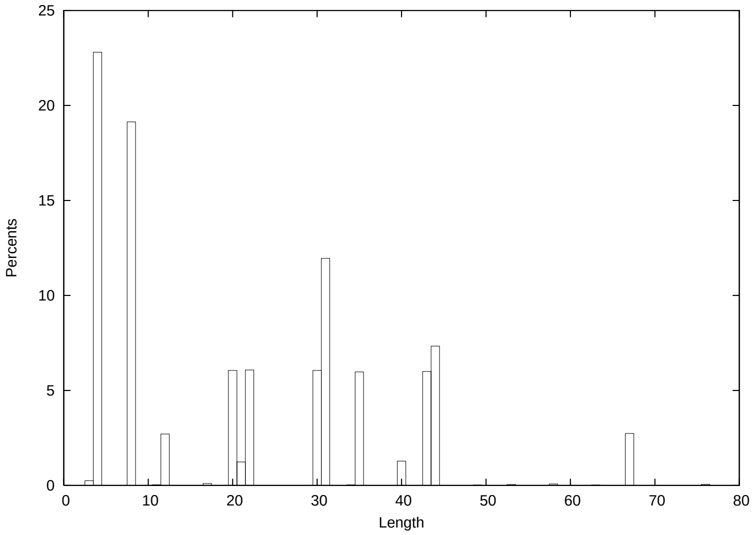
BFS Info

BFS height	168
BFS width	8,769 (1.3%)
Back level edges	265,044 (12.7%)

BFS level info:



Back level edges lengths:



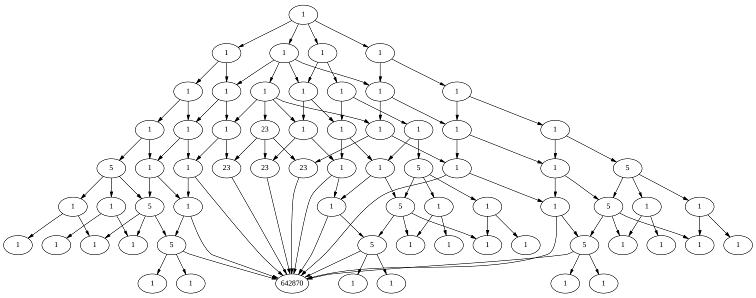
SCC Info

SCC components	146
SCC quetient height	15
SCC quetient nontrivial height	8
Number of terminal components	1
The largest component is	the only terminal

Statistics according to **sizes**:

Size	Number of components	Number of states here
642,870	1	99.9%
23	4	0%
21	3	0%
12	9	0%
5	9	0%
1	120	0%

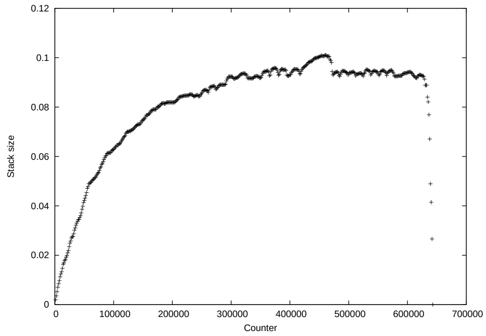
SCC component graph (part):



DFS Info

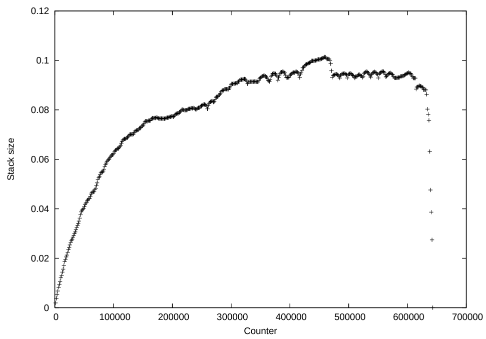
Run 0

front-edges : back-edges : cross-edges = 643,297 : 238,421 : 1,191605 = 31%:11.4%:57.4%
Max. stack size: 65,113 (10.1%)
Shortest cycle detected: 5
Most often detected lengths of cycles: 5 (37494), 10 (10772), 23 (2240), 15 (1371), 56 (282)
Stack graph:



Run 1

front-edges : back-edges : cross-edges = 643,297 : 236,264 : 1,193762 = 31%:11.3%:57.5%
Max. stack size: 65,242 (10.1%)
Shortest cycle detected: 5
Most often detected lengths of cycles: 5 (37383), 10 (10812), 23 (2250), 15 (1361), 42 (245)
Stack graph:



Local Structure

Short cycles(up to 6)

2	0	(0%)
3	0	(0%)
4	0	(0%)
5	302,220	(46.9%)

Diamonds

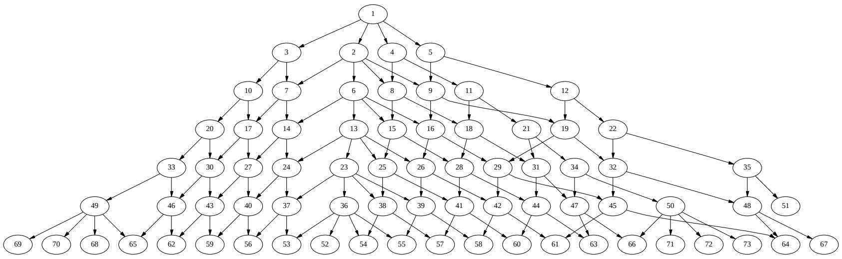
643,190 (99.9%)

Neighborhoods

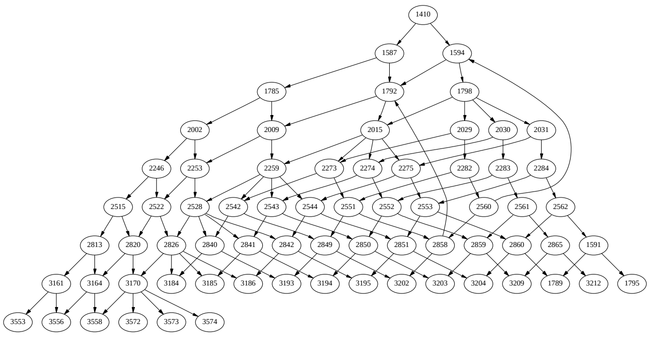
k	avg size	avg clustering
1	4.2	1
2	11.1	1.3
3	23.4	1.5
4	43	1.7

Visualization of some parts of the state state space:

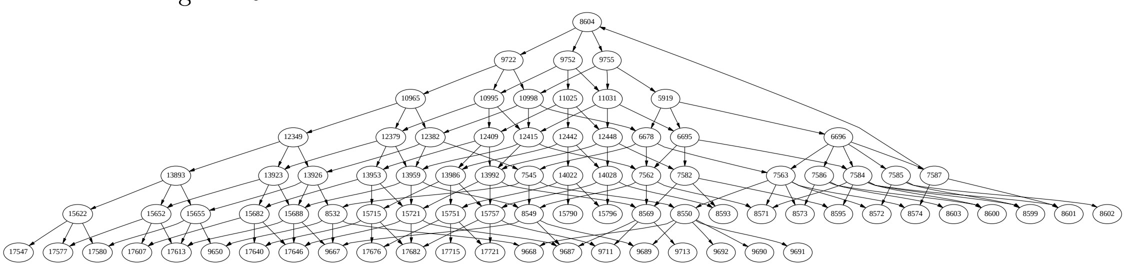
Initial walk length: 0



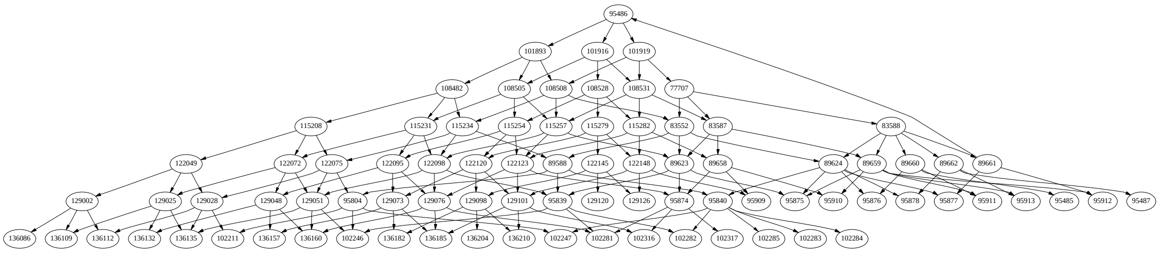
Initial walk length: 20



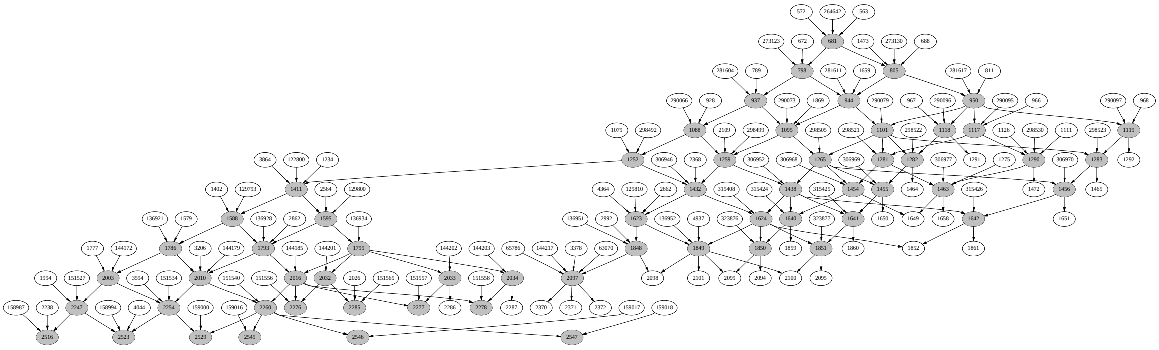
Initial walk length: 40



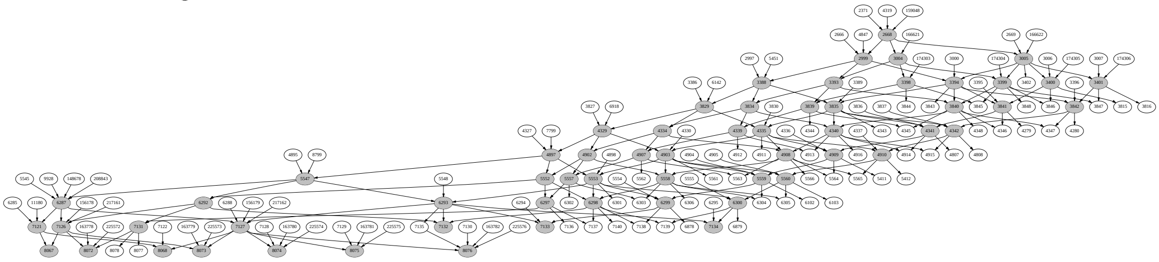
Initial walk length: 60



Initial walk length: 20



Initial walk length: 40



Initial walk length: 60