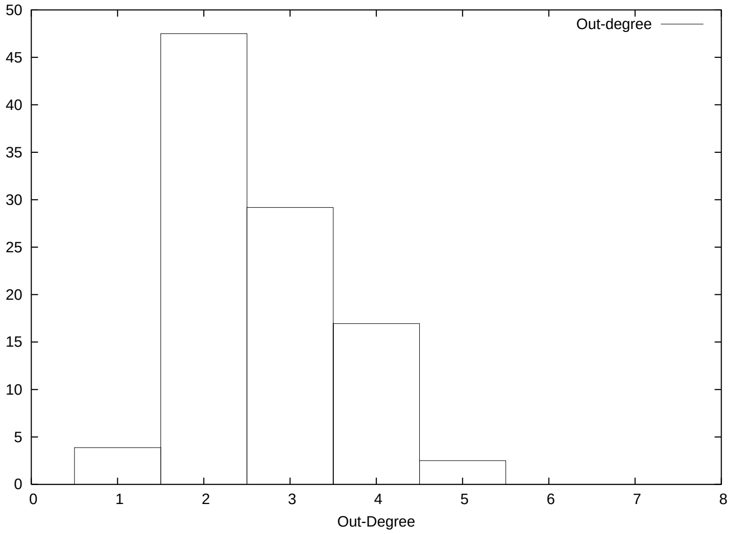
Graph: divine/el_fifo3

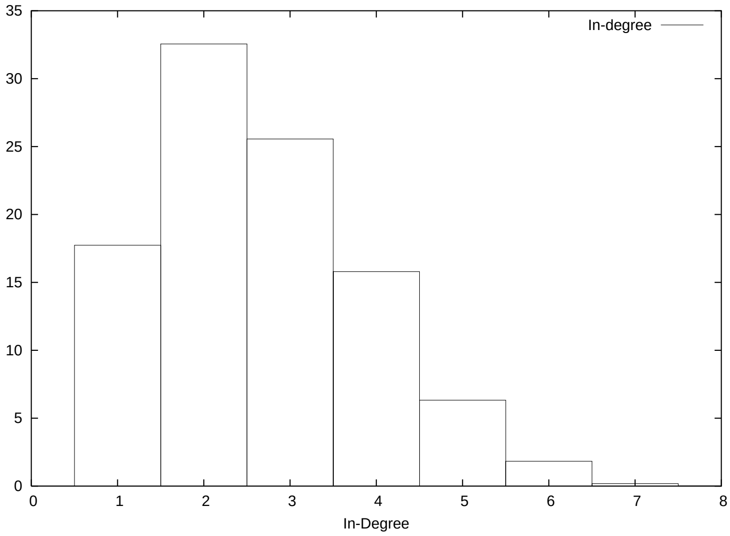
General Info

Example title	Elevator
Parameter	3
Reduction	
Modification	fifo strategy
States	12,192
Edges	32,520
Average degree	2.6

Out-Degrees distribution:



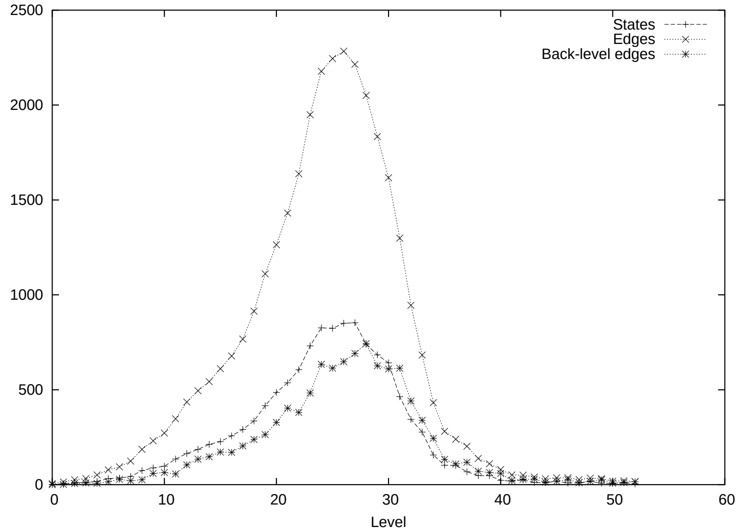
In-Degrees distribution:



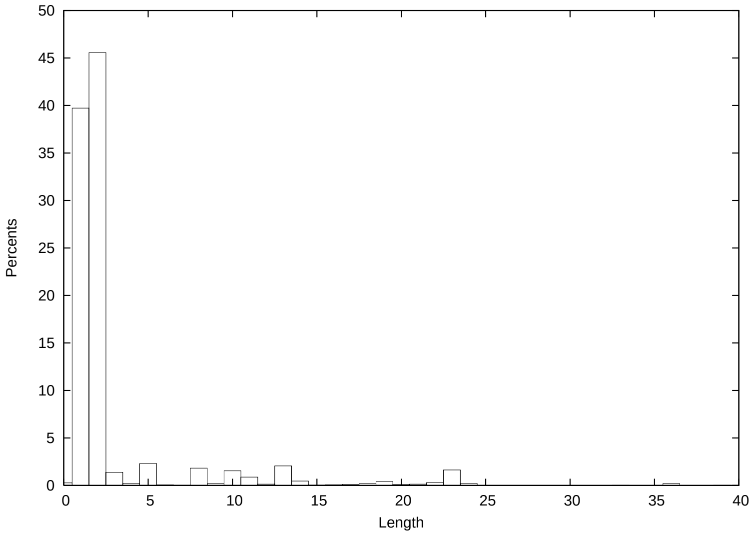
BFS Info

BFS height	52
BFS width	853 (6.9%)
Back level edges	10,303 (31.6%)

BFS level info:



Back level edges lengths:



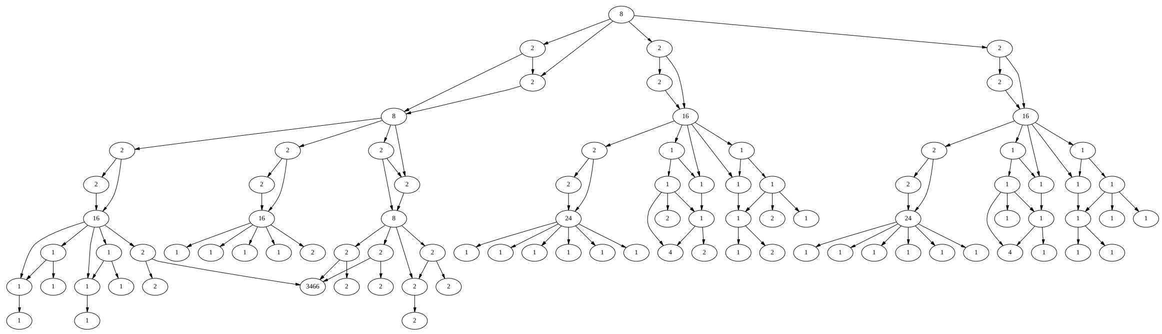
SCC Info

SCC components	2,998
SCC quetient height	133
SCC quetient nontrivial height	111
Number of terminal components	6
The largest component is	intermediate

Statistics according to **sizes**:

Size	Number of components	Number of states here
3,466	1	28.4%
112	3	2.7%
56	6	2.7%
48	11	4.3%
40	9	2.9%
32	3	0.7%
24	30	5.9%
20	16	2.6%
16	65	8.5%
12	11	1%
8	152	9.9%
4	59	1.9%
2	774	12.6%
1	1,858	15.2%

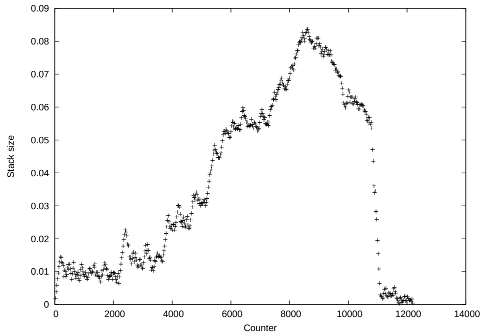
SCC component graph (part):



DFS Info

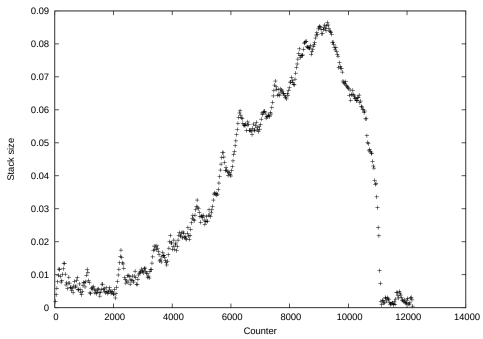
Run 0

front-edges : back-edges : cross-edges = 12,191 : 6,606 : 13,723 = 37.4%:20.3%:42.1%
Max. stack size: 1,028 (8.4%)
Shortest cycle detected: 2
Most often detected lengths of cycles: 2 (2417), 3 (1178), 5 (595), 6 (372), 8 (323)
Stack graph:



Run 1

front-edges : back-edges : cross-edges = 12,191 : 6,619 : 13,710 = 37.4%:20.3%:42.1%
Max. stack size: 1,059 (8.6%)
Shortest cycle detected: 2
Most often detected lengths of cycles: 2 (2403), 3 (1194), 5 (599), 6 (347), 8 (326)
Stack graph:



Local Structure

Short cycles(up to 6)

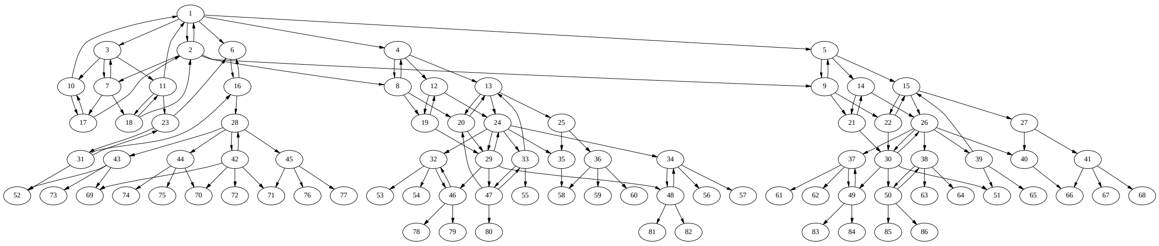
2	6,060	(49.7%)
3	2,852	(23.3%)
4	0	(0%)
5	0	(0%)
6	600	(4.9%)

Diamonds
11,538 (94.6%)

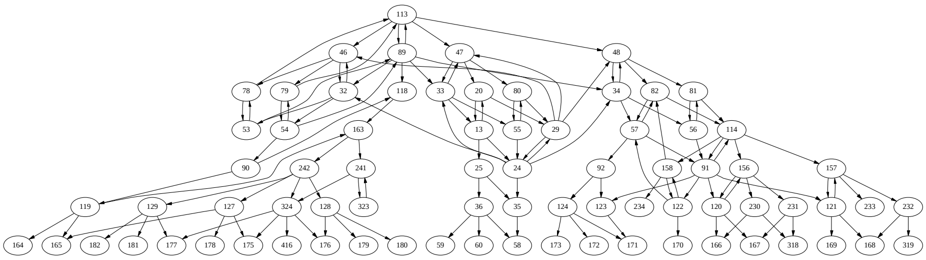
Neighborhoods

k	avg size	avg clustering
1	3.6	1
2	8.8	1.3
3	17	1.5
4	27.2	1.7

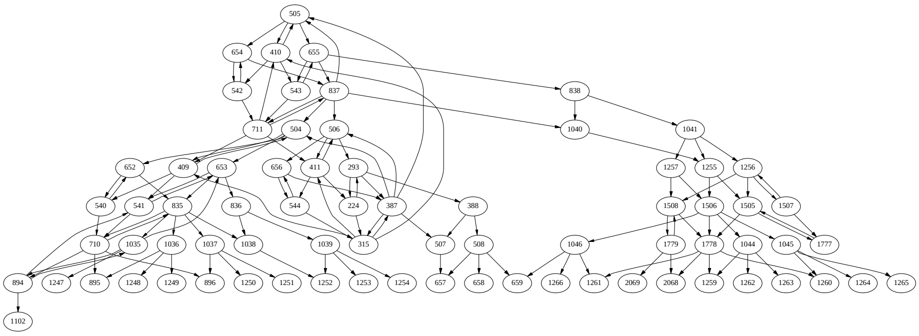
Visualization of some parts of the state state space:
Initial walk length: 0



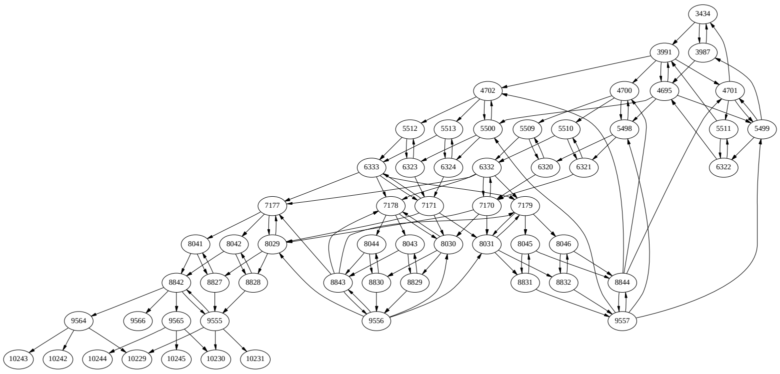
Initial walk length: 20



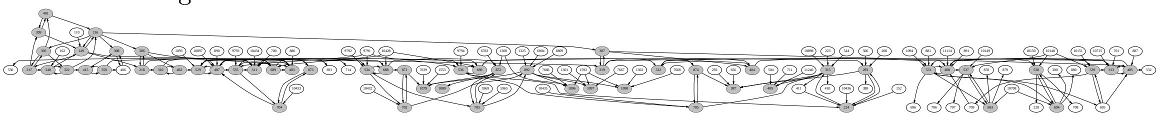
Initial walk length: 40



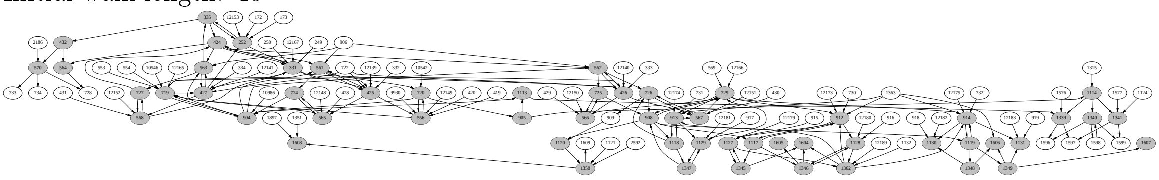
Initial walk length: 60



Initial walk length: 20



Initial walk length: 40



Initial walk length: 60