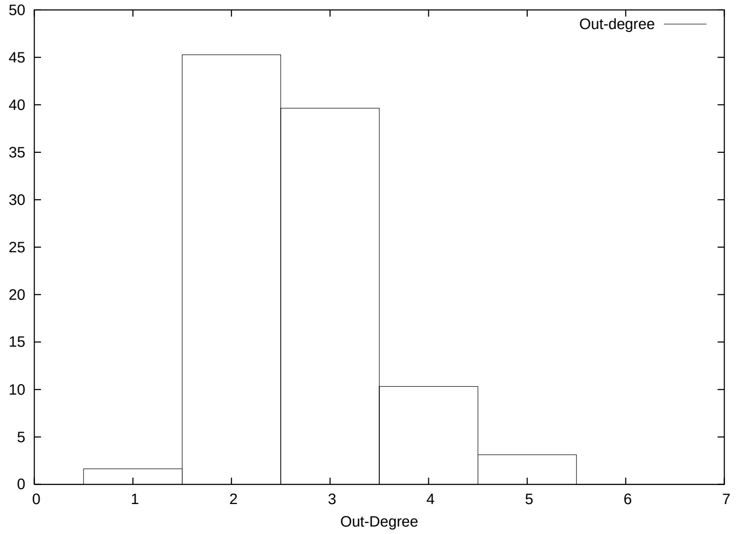
Graph: divine/el_smallest3

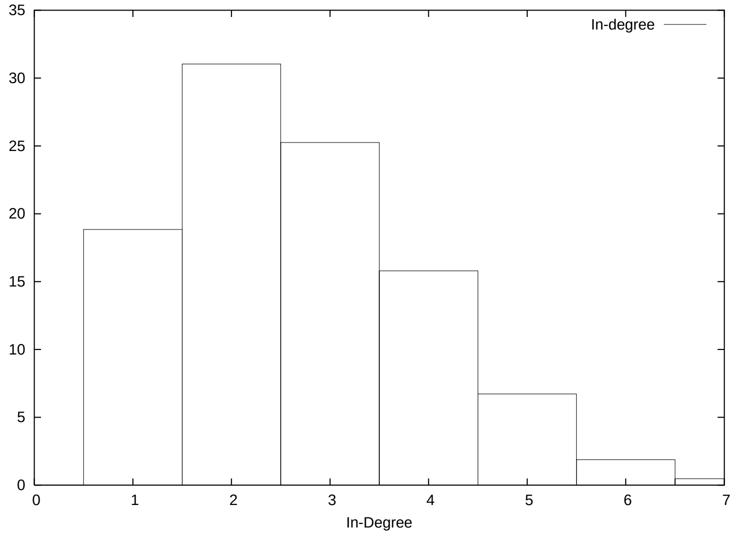
General Info

Example title	Elevator
Parameter	3
Reduction	
Modification	smallest strategy
States	1,279
Edges	3,428
Average degree	2.6

Out-Degrees distribution:



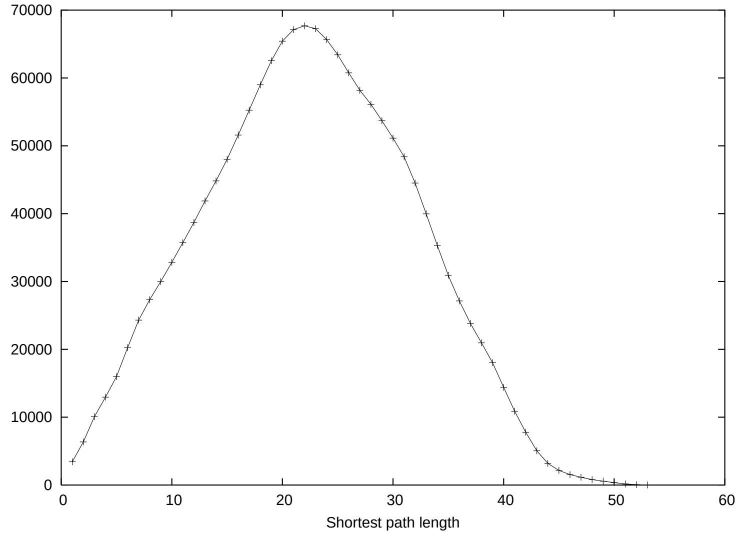
In-Degrees distribution:



Shortest Paths Info

Diameter: 53
Average shortest path length: 22.4447

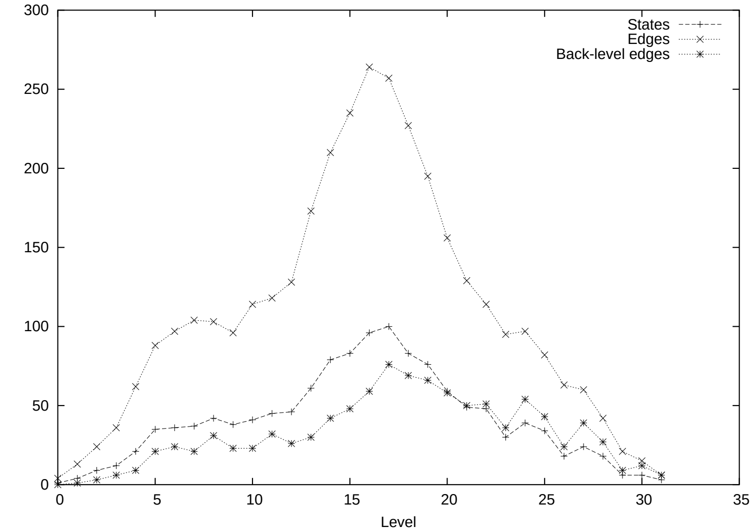
Shortest paths lengths frequencies:



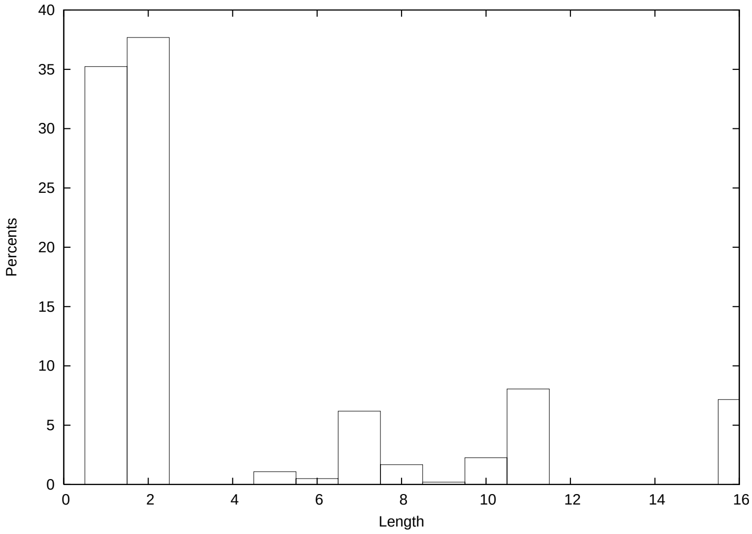
BFS Info

BFS height	31
BFS width	100 (7.8%)
Back level edges	1,019 (29.7%)

BFS level info:



Back level edges lengths:



SCC Info

SCC components	1
SCC quetient height	0
SCC quetient nontrivial height	0
Number of terminal components	1
The largest component is	initial the only terminal

Statistics according to **sizes**:

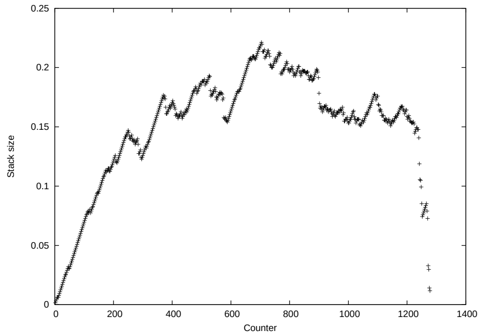
Size	Number of components	Number of states here
1,279	1	100%

SCC component graph (part):

DFS Info

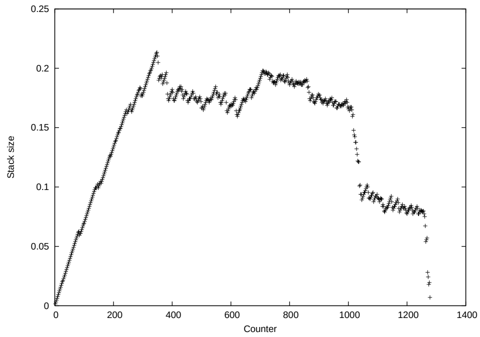
Run 0

front-edges : back-edges : cross-edges = 1,278 : 880 : 1,270 = 37.2%:25.6%:37%
Max. stack size: 283 (22.1%)
Shortest cycle detected: 2
Most often detected lengths of cycles: 2 (284), 3 (135), 5 (42), 8 (32), 6 (23)
Stack graph:



Run 1

front-edges : back-edges : cross-edges = 1,278 : 871 : 1,279 = 37.2%:25.4%:37.3%
Max. stack size: 273 (21.3%)
Shortest cycle detected: 2
Most often detected lengths of cycles: 2 (293), 3 (127), 5 (50), 8 (29), 6 (23)
Stack graph:



Local Structure

Short cycles(up to 6)

2	718	(56.1%)
3	288	(22.5%)

Diamonds

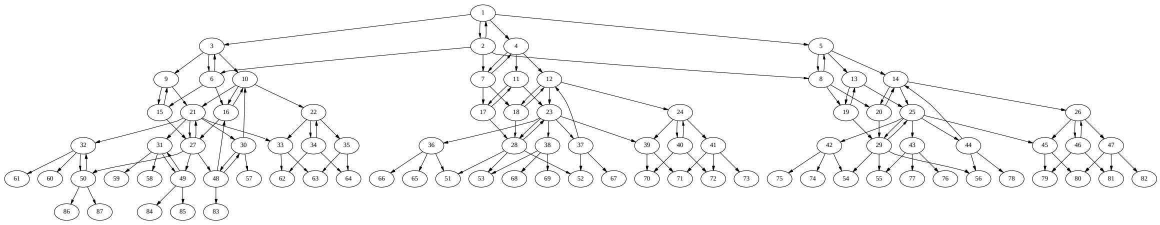
1,237 (96.7%)

Neighborhoods

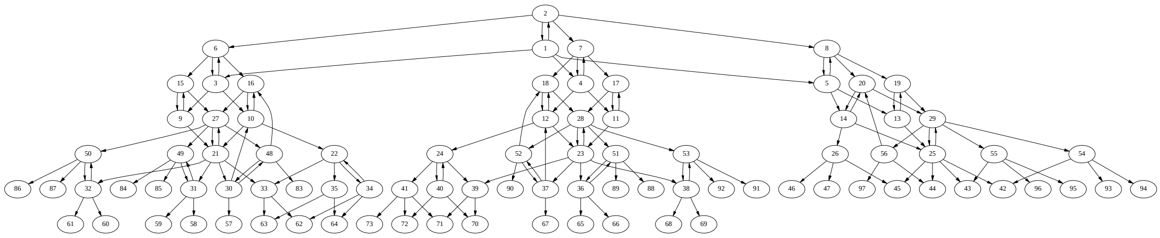
k	avg size	avg clustering
1	3.6	1
2	8.6	1.3
3	16.5	1.5
4	26.6	1.7

Visualization of some parts of the state state space:

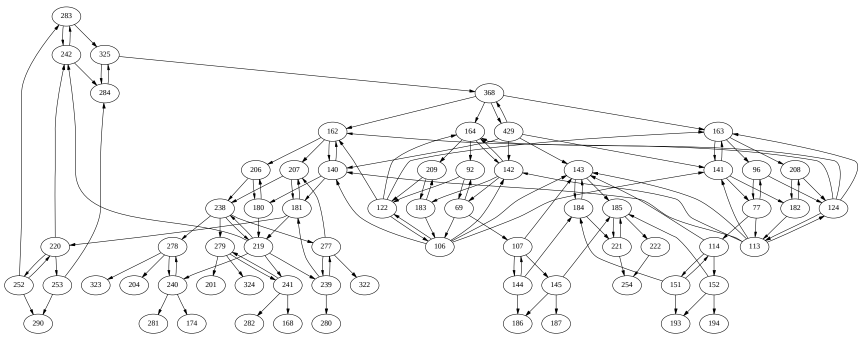
Initial walk length: 0



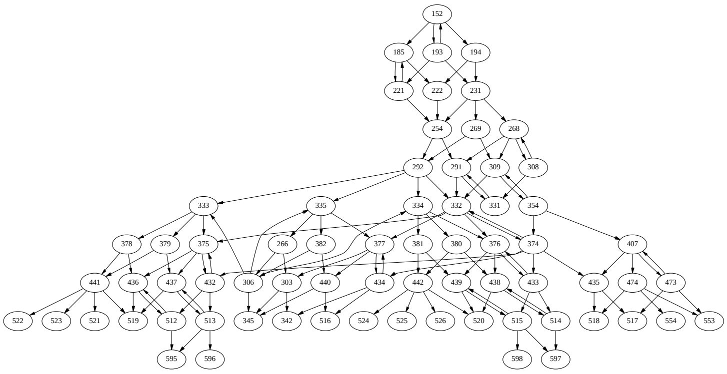
Initial walk length: 20



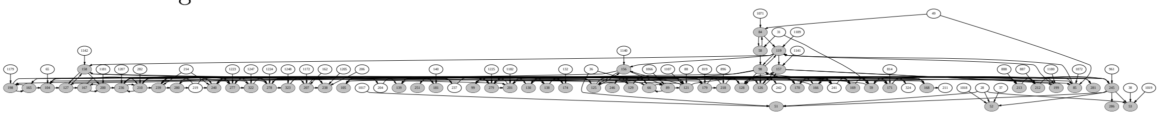
Initial walk length: 40



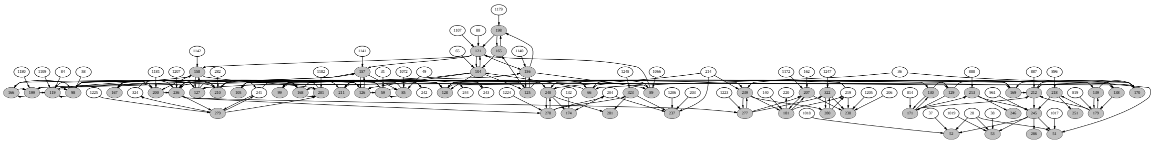
Initial walk length: 60



Initial walk length: 20



Initial walk length: 40



Initial walk length: 60