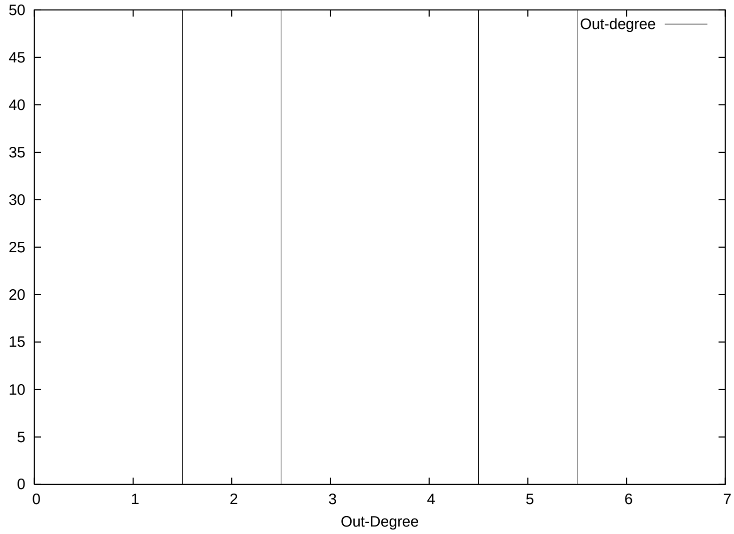
Graph: divine/el_naive4

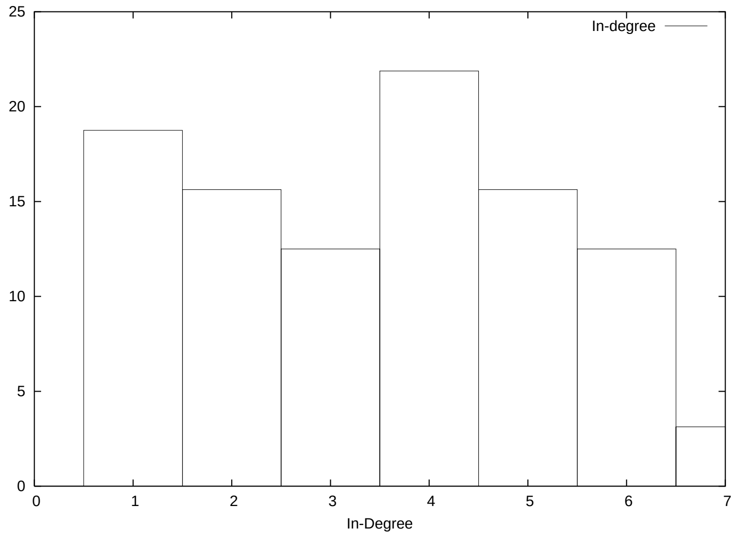
General Info

Example title	Elevator
Parameter	4
Reduction	
Modification	naive strategy
States	64
Edges	224
Average degree	3.5

Out-Degrees distribution:



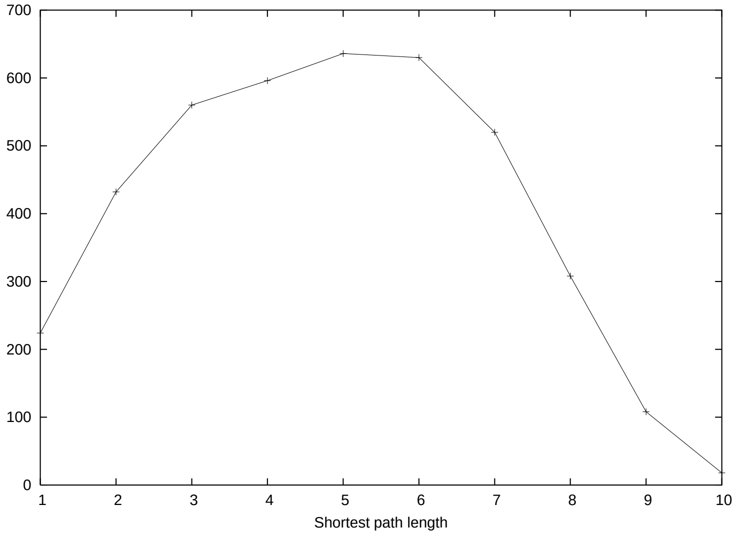
In-Degrees distribution:



Shortest Paths Info

Diameter: 10
Average shortest path length: 4.80357

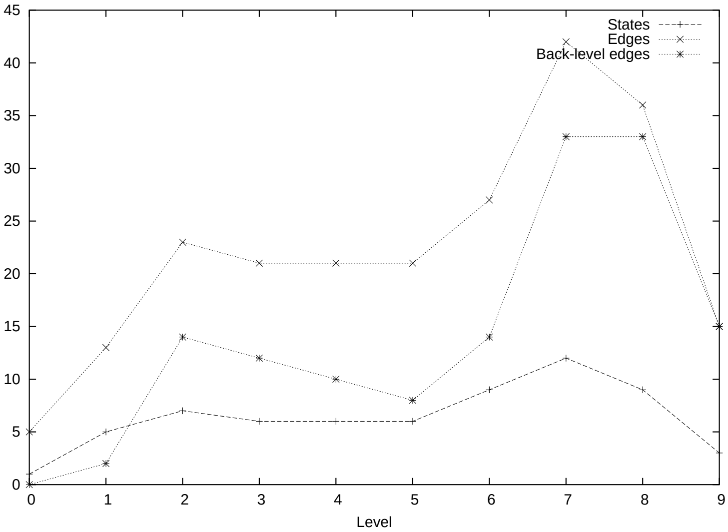
Shortest paths lengths frequencies:



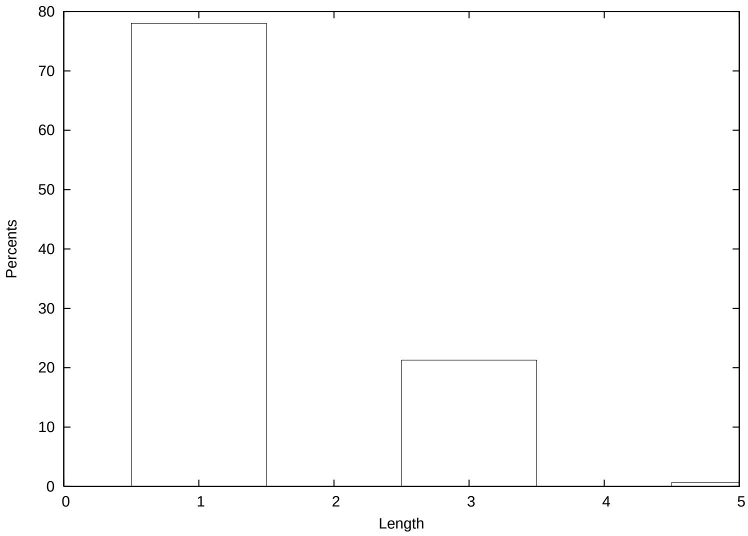
BFS Info

BFS height	9
BFS width	12 (18.7%)
Back level edges	141 (62.9%)

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**:

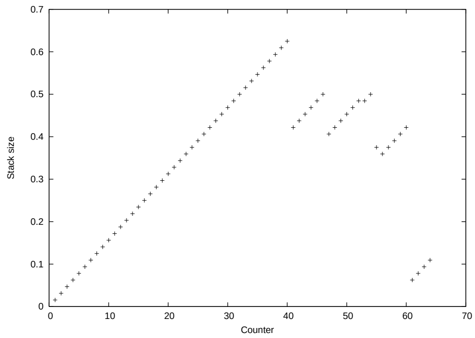
Size	Number of components	Number of states here
64	1	100%

SCC component graph (part):

DFS Info

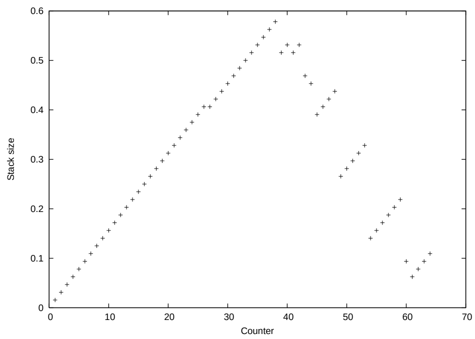
Run 0

front-edges : back-edges : cross-edges = 63 : 92 : 69 = 28.1%:41%:30.8%
Max. stack size: 40 (62.5%)
Shortest cycle detected: 2
Most often detected lengths of cycles: 2 (32), 4 (20), 6 (15), 12 (7), 8 (6)
Stack graph:



Run 1

front-edges : back-edges : cross-edges = 63 : 91 : 70 = 28.1%:40.6%:31.2%
Max. stack size: 37 (57.8%)
Shortest cycle detected: 2
Most often detected lengths of cycles: 2 (32), 4 (14), 6 (11), 8 (5), 10 (5)
Stack graph:



Local Structure

Short cycles(up to 6)

2	64	(100%)

Diamonds

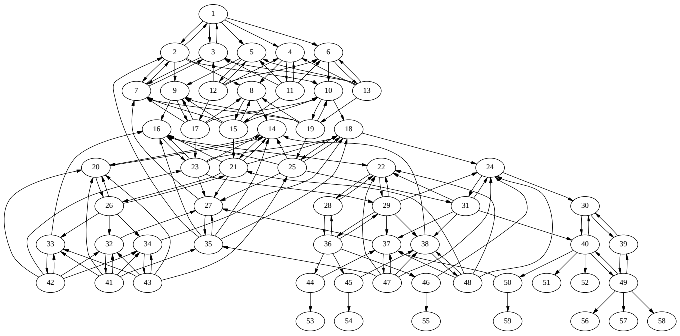
64 (100%)

Neighborhoods

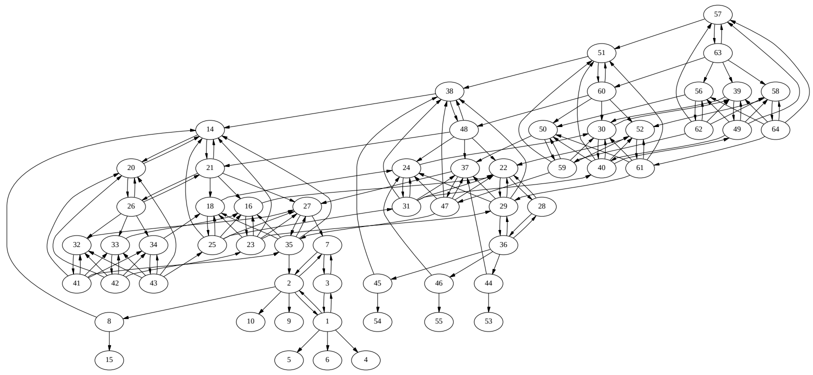
k	avg size	avg clustering
1	4.5	1
2	11.2	1.3
3	20	1.7
4	29.3	2.2

Visualization of some parts of the state state space:

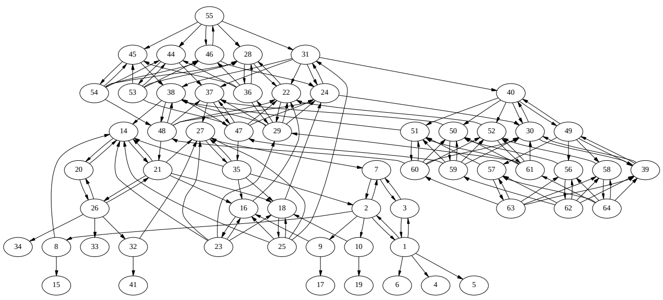
Initial walk length: 0



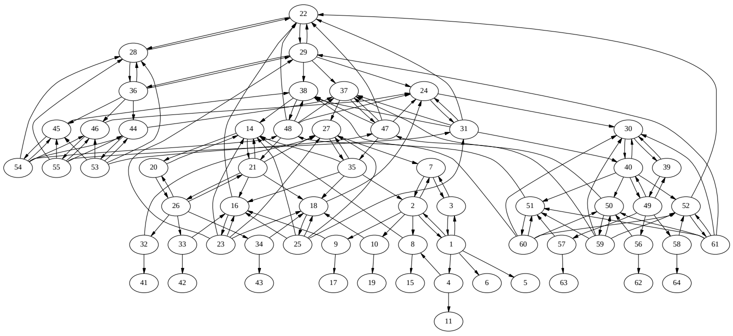
Initial walk length: 20



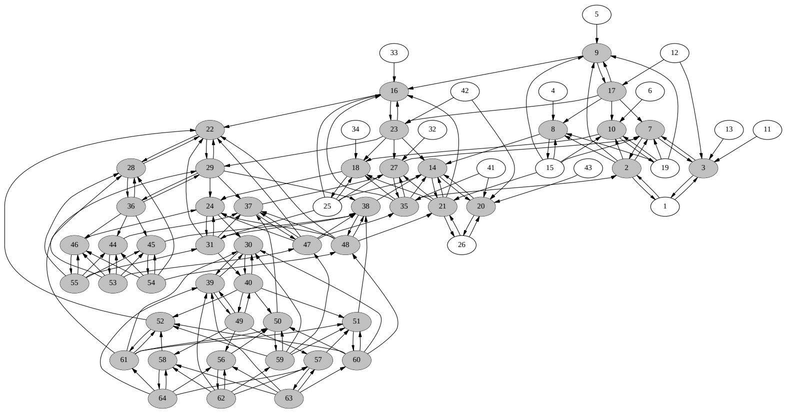
Initial walk length: 40



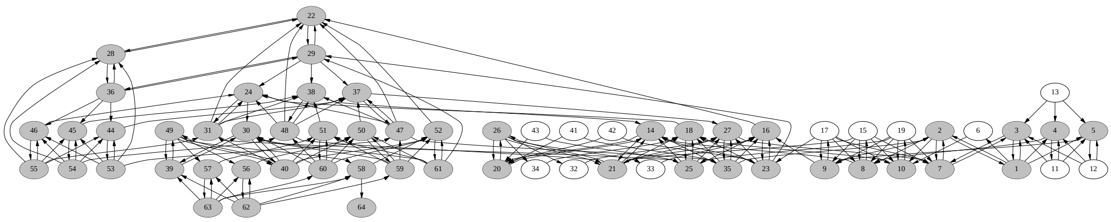
Initial walk length: 60



Initial walk length: 20



Initial walk length: 40



Initial walk length: 60