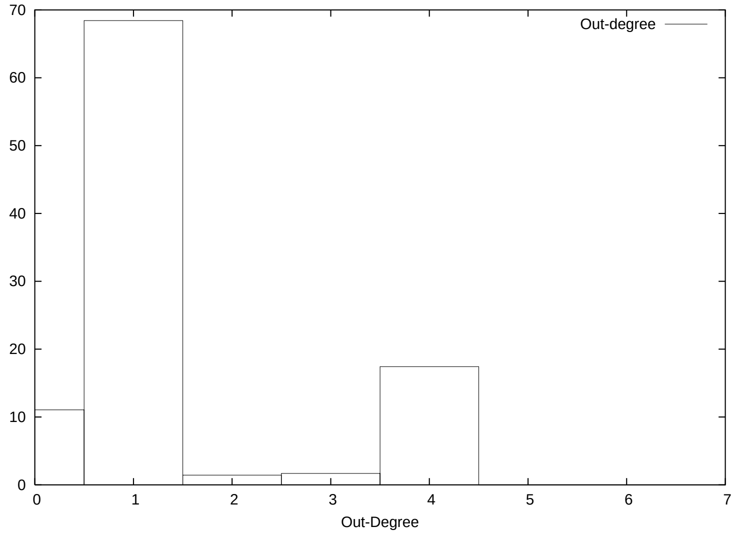
Graph: divine/machine

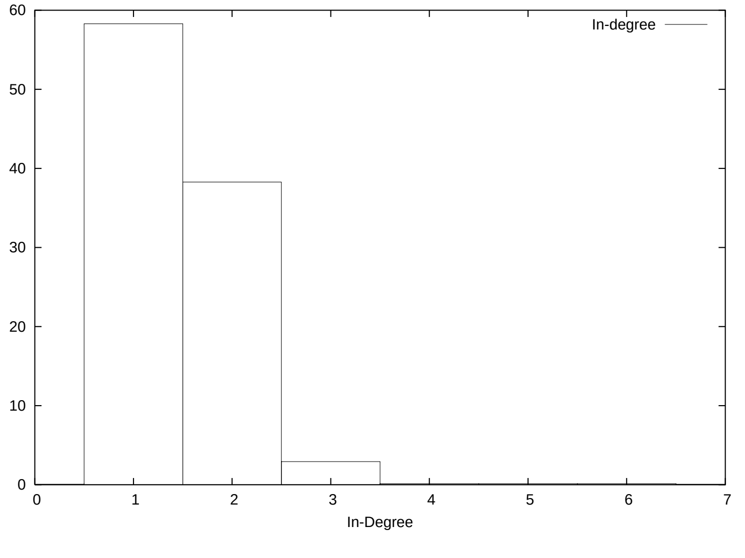
General Info

Example title	Coffe machine
Parameter	with many parameters,
Reduction	
Modification	
States	1,539
Edges	2,247
Average degree	1.4

Out-Degrees distribution:



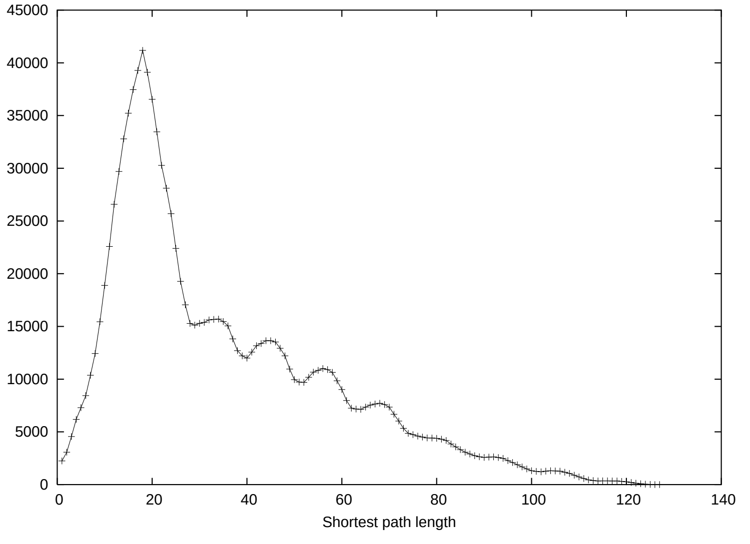
In-Degrees distribution:



Shortest Paths Info

Diameter: 127
Average shortest path length: 35.4247

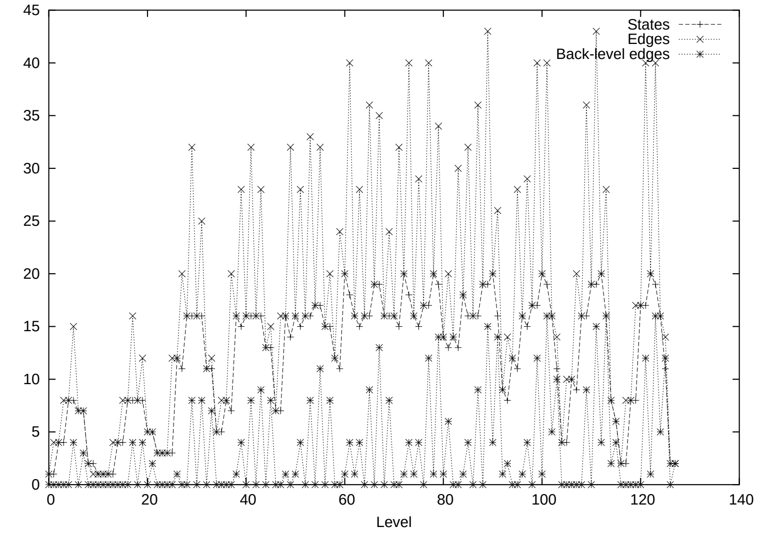
Shortest paths lengths frequencies:



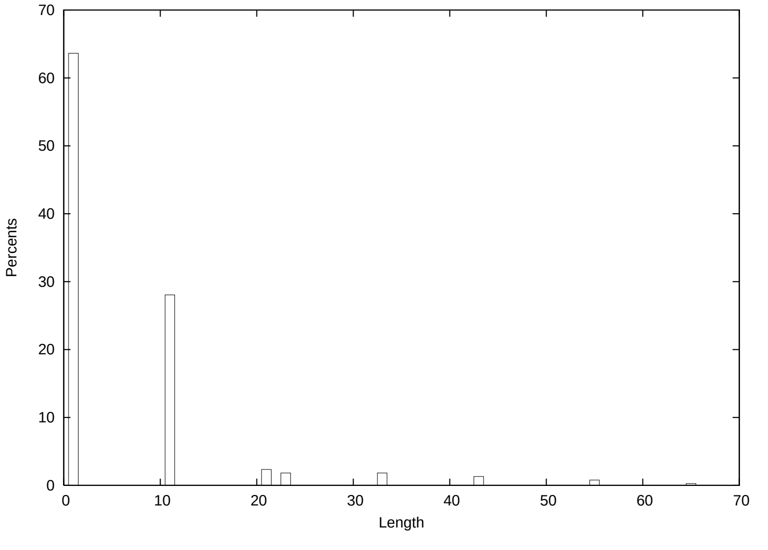
BFS Info

BFS height	127
BFS width	20 (1.2%)
Back level edges	385 (17.1%)

BFS level info:



Back level edges lengths:



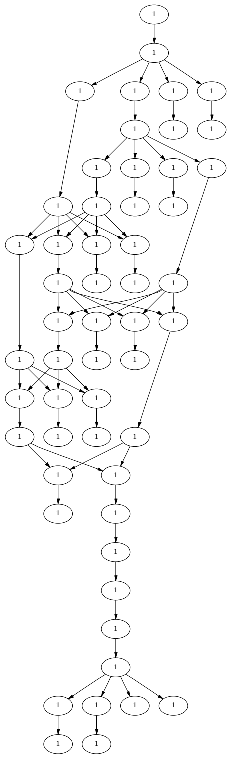
SCC Info

SCC components	603
SCC quetient height	115
SCC quetient nontrivial height	10
Number of terminal components	170
The largest component is	intermediate

Statistics according to **sizes**:

Size	Number of components	Number of states here
769	1	49.9%
58	1	3.7%
48	1	3.1%
38	1	2.4%
28	1	1.8%
1	598	38.8%

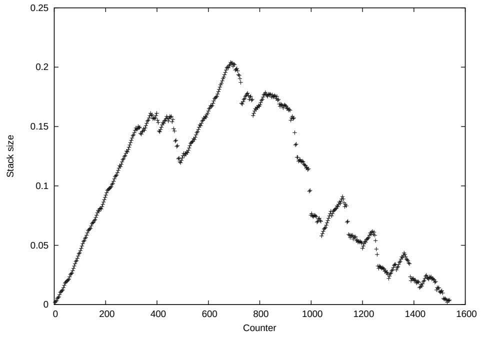
SCC component graph (part):



DFS Info

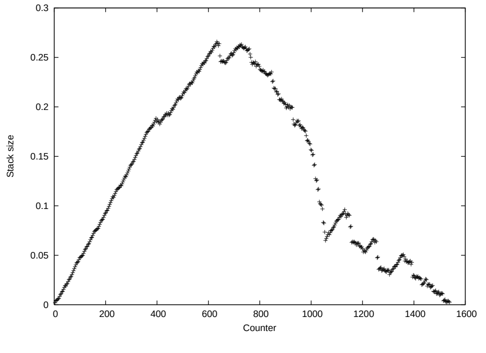
Run 0

front-edges : back-edges : cross-edges = 1,538 : 138 : 571 = 68.4%:6.1%:25.4%
Max. stack size: 314 (20.4%)
Shortest cycle detected: 12
Most often detected lengths of cycles: 14 (26), 16 (12), 12 (11), 26 (7), 40 (7)
Stack graph:



Run 1

front-edges : back-edges : cross-edges = 1,538 : 142 : 567 = 68.4%:6.3%:25.2%
Max. stack size: 411 (26.7%)
Shortest cycle detected: 12
Most often detected lengths of cycles: 14 (22), 12 (11), 146 (8), 16 (7), 28 (6)
Stack graph:



Local Structure

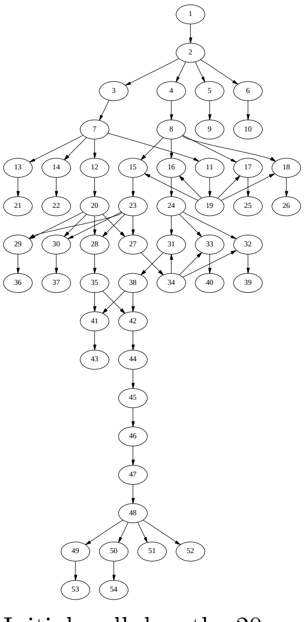
Short cycles(up to 6)
none
Diamonds

0 (0%)

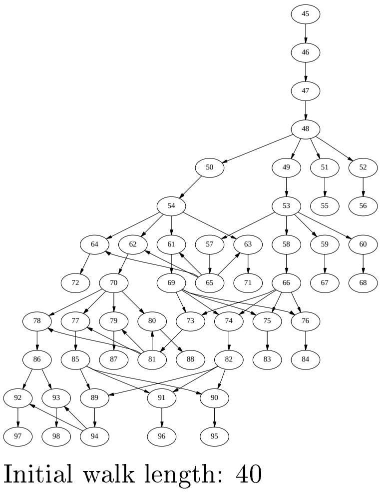
Neighborhoods

k	avg size	avg clustering
1	2.4	1
2	4.4	1
3	7.4	1
4	11.4	1

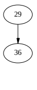
Visualization of some parts of the state state space:
Initial walk length: 0



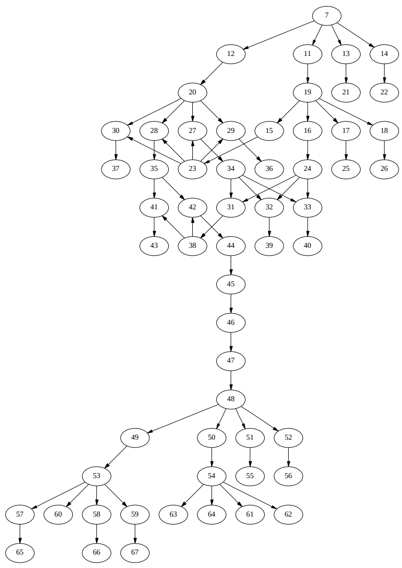
Initial walk length: 20



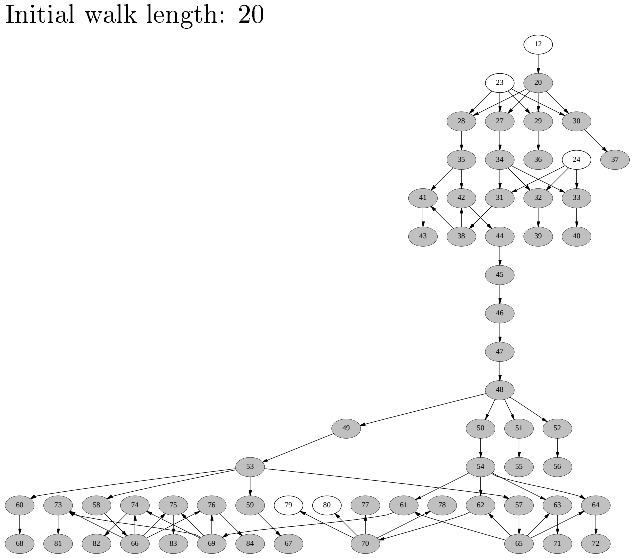
Initial walk length: 40



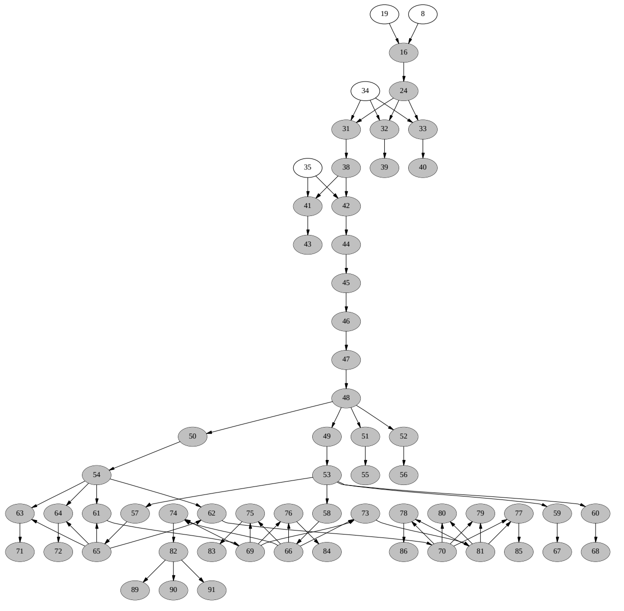
Initial walk length: 60



Initial walk length: 20



Initial walk length: 40



Initial walk length: 60