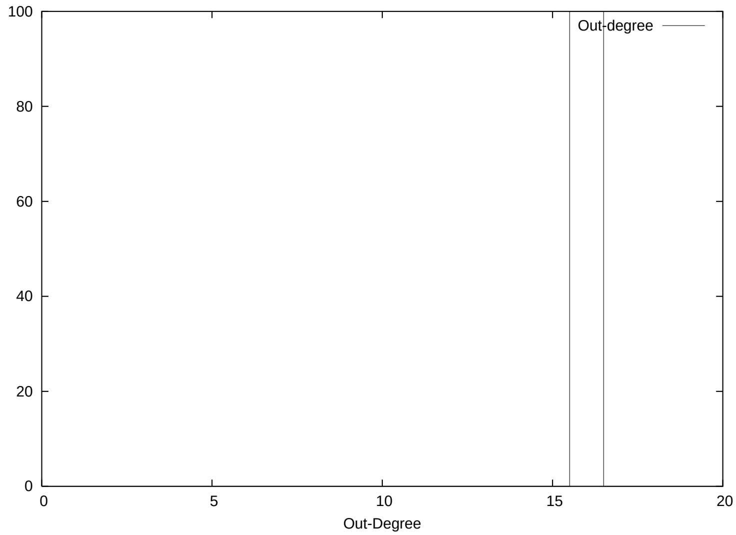
Graph: nusmv/periodic

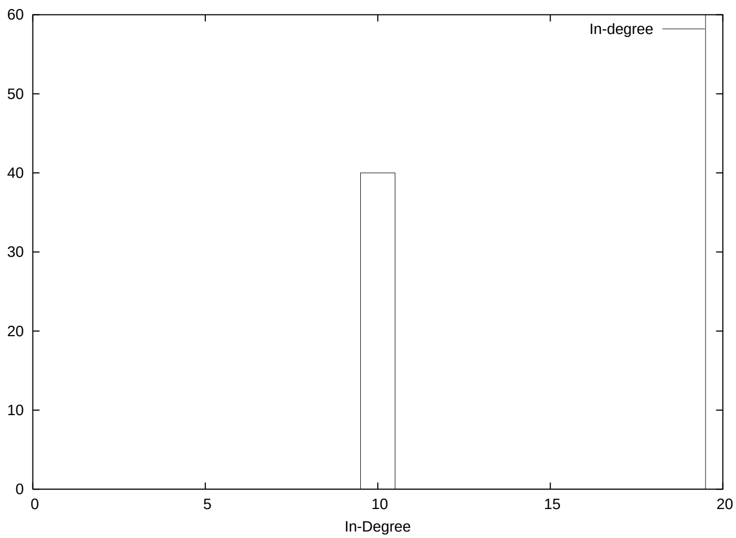
General Info

Example title	Data driven pipeline
Parameter	
Reduction	
Modification	
States	1,000
Edges	16,000
Average degree	16

Out-Degrees distribution:



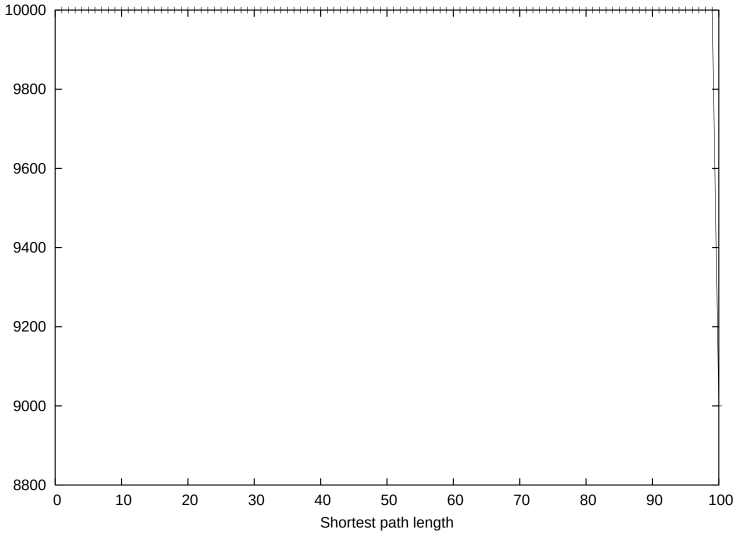
In-Degrees distribution:



Shortest Paths Info

Diameter: 100
Average shortest path length: 50.4505

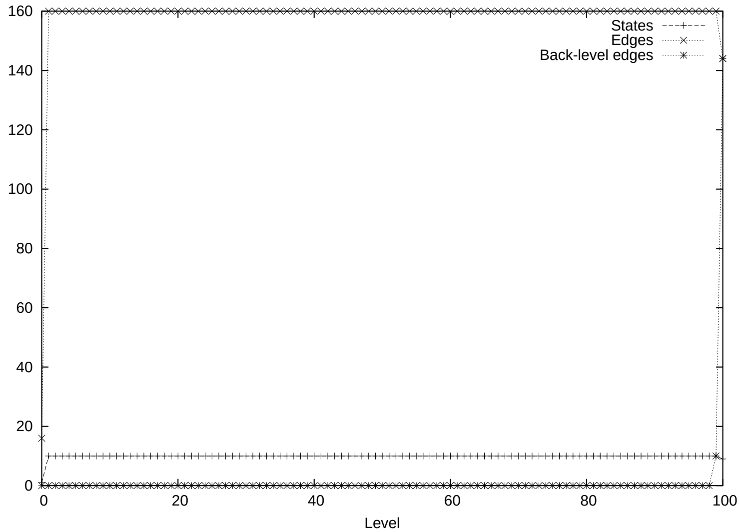
Shortest paths lengths frequencies:



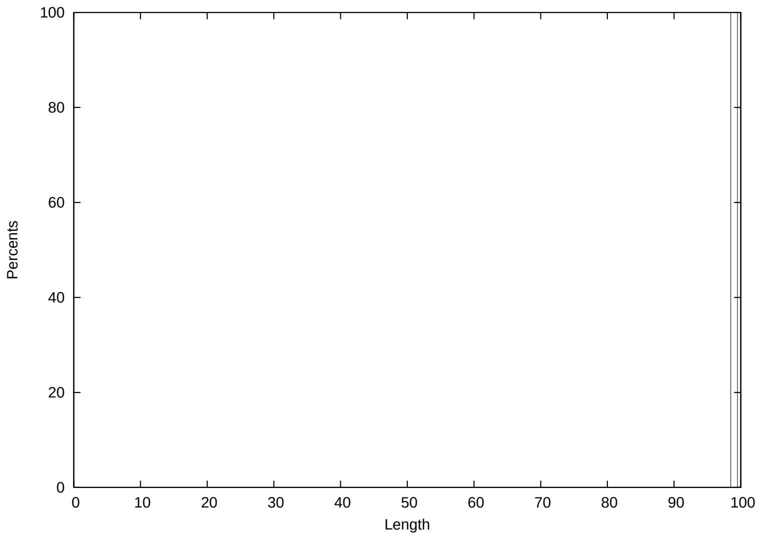
BFS Info

BFS height	100
BFS width	10 (1%)
Back level edges	154 (0.9%)

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**:

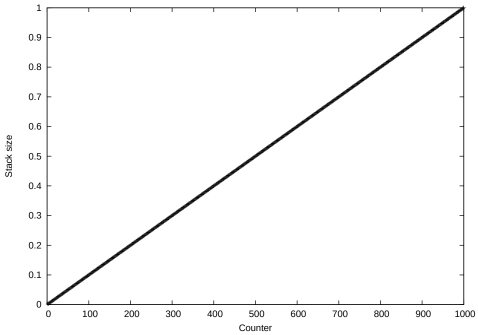
Size	Number of components	Number of states here
1,000	1	100%

SCC component graph (part):

DFS Info

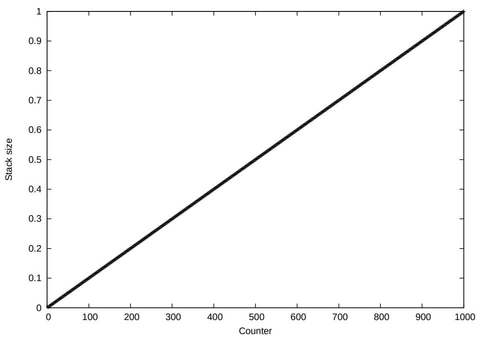
Run 0

front-edges : back-edges : cross-edges = 999 : 7,497 : 7,504 = 6.2%:46.8%:46.9%
Max. stack size: 1,000 (100%)
Shortest cycle detected: 100
Most often detected lengths of cycles: 100 (1462), 200 (1312), 300 (1157), 400 (1003), 500 (846)
Stack graph:



Run 1

front-edges : back-edges : cross-edges = 999 : 7,554 : 7,447 = 6.2%:47.2%:46.5%
Max. stack size: 1,000 (100%)
Shortest cycle detected: 100
Most often detected lengths of cycles: 100 (1472), 200 (1330), 300 (1174), 400 (1007), 500 (851)
Stack graph:



Local Structure

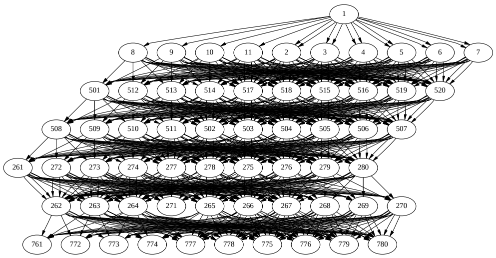
Short cycles(up to 6)
none
Diamonds

1,000 (100%)

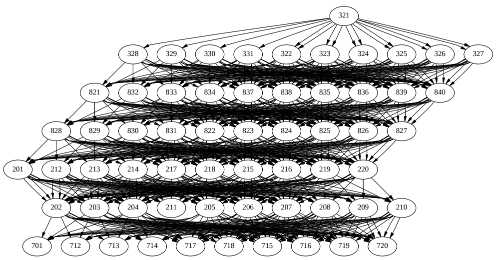
Neighborhoods

k	avg size	avg clustering
1	11	1.6
2	21	8.8
3	31	11.2
4	41	12.4

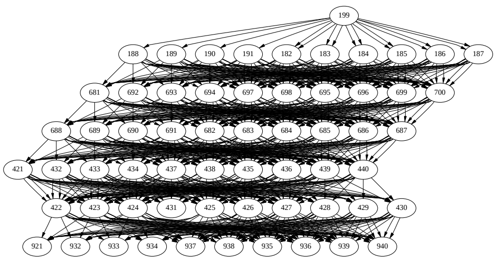
Visualization of some parts of the state state space:
Initial walk length: 0



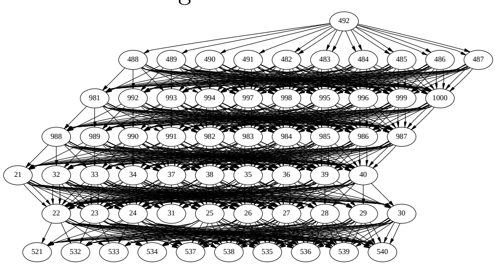
Initial walk length: 20



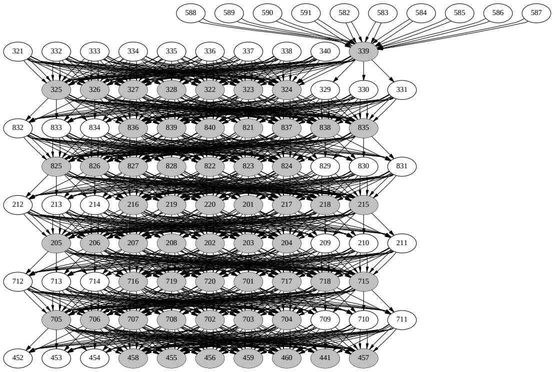
Initial walk length: 40



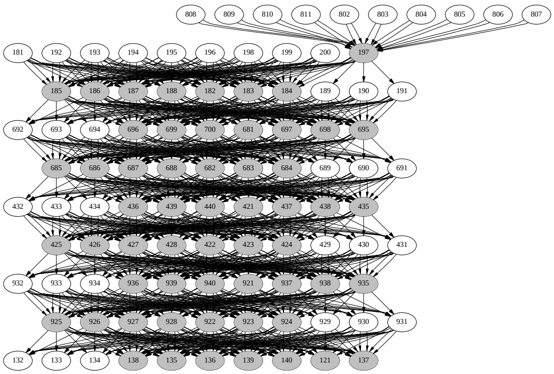
Initial walk length: 60



Initial walk length: 20



Initial walk length: 40



Initial walk length: 60