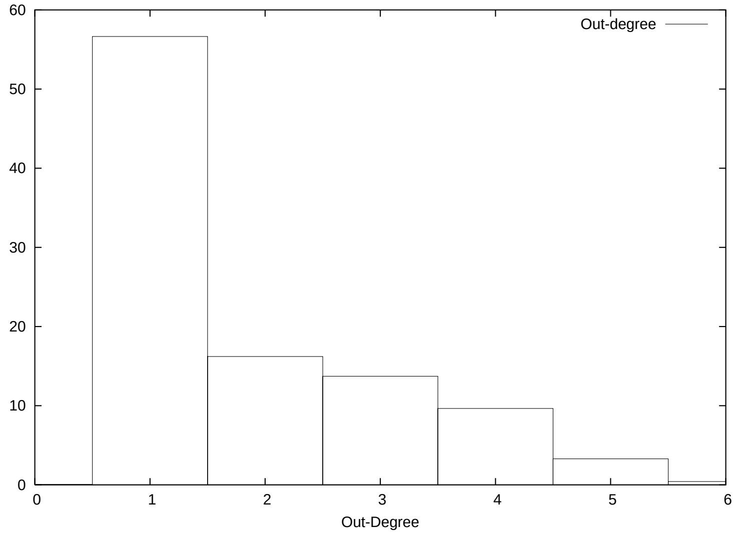
Graph: spin/smcs.red

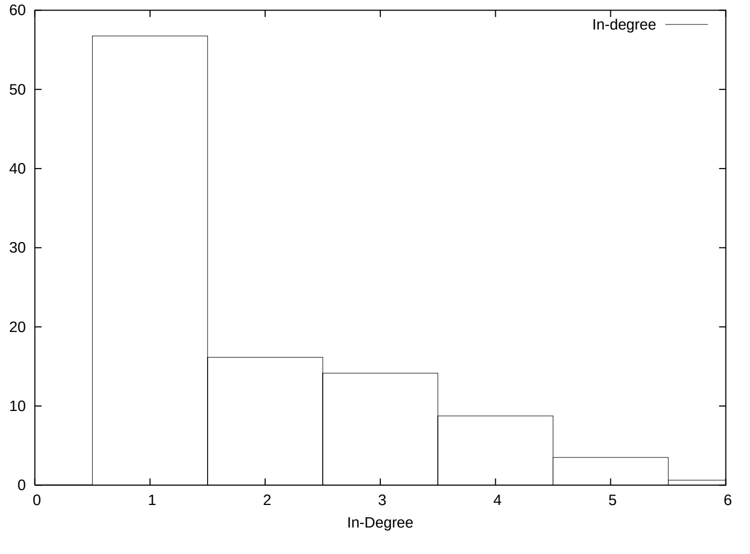
General Info

Example title	ITU-T multipoint communication service
Parameter	2
Reduction	POR
Modification	
States	1,887
Edges	3,544
Average degree	1.8

Out-Degrees distribution:



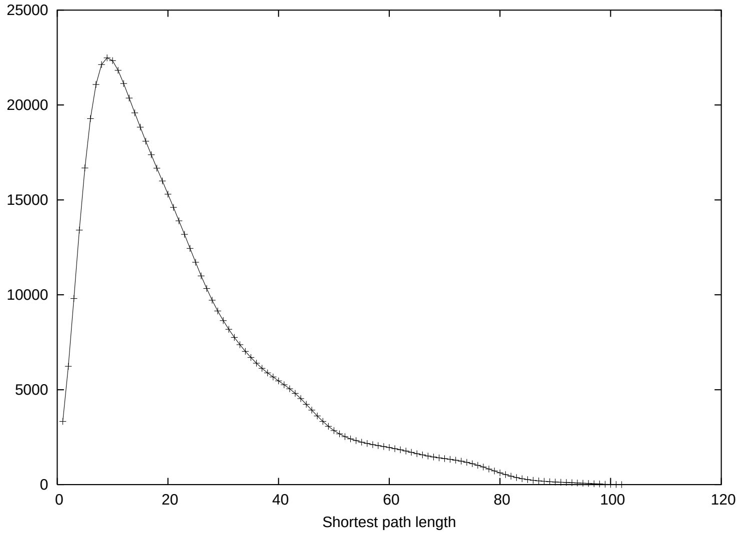
In-Degrees distribution:



Shortest Paths Info

Diameter: 102
Average shortest path length: 23.1246

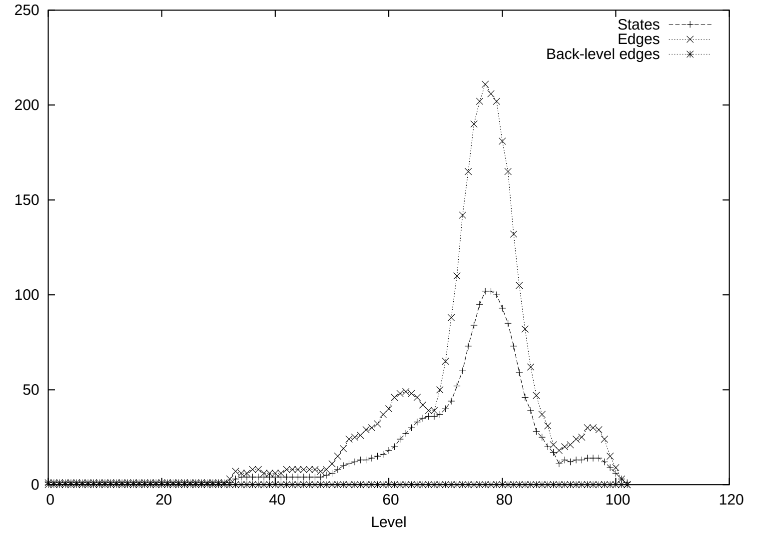
Shortest paths lengths frequencies:



BFS Info

BFS height	102
BFS width	102 (5.4%)
Back level edges	0 (0%)

BFS level info:



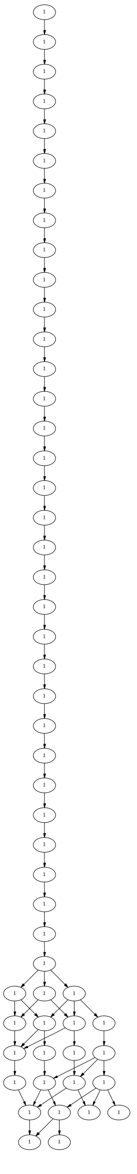
SCC Info

SCC components	1,887
SCC quetient height	102
SCC quetient nontrivial height	0
Number of terminal components	1
The largest component is	the only terminal

Statistics according to **sizes**:

Size	Number of components	Number of states here
1	1,887	100%

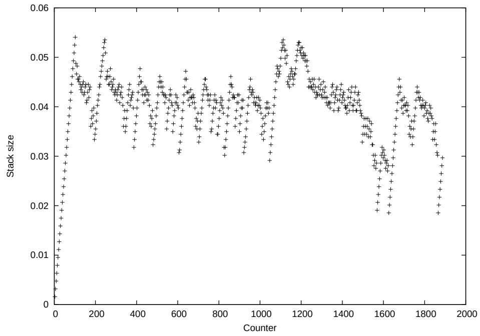
SCC component graph (part):



DFS Info

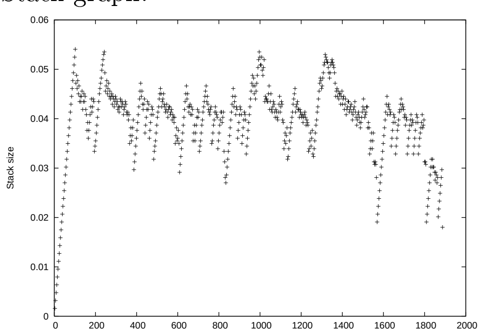
Run 0

front-edges : back-edges : cross-edges = 1,886 : 0 : 1,658 = 53.2%:0%:46.7%
Max. stack size: 103 (5.4%)
Shortest cycle detected: -1
Most often detected lengths of cycles: (), (), (), (), ()
Stack graph:



Run 1

front-edges : back-edges : cross-edges = 1,886 : 0 : 1,658 = 53.2%:0%:46.7%
Max. stack size: 103 (5.4%)
Shortest cycle detected: -1
Most often detected lengths of cycles: (), (), (), (), ()
Stack graph:



Local Structure

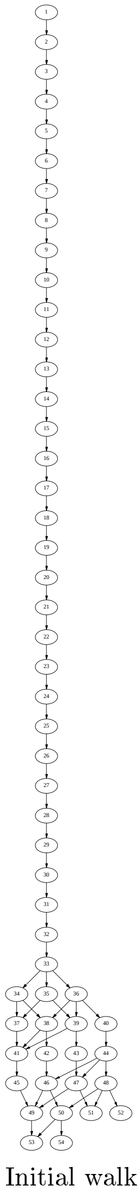
Short cycles(up to 6)
none
Diamonds

595 (31.5%)

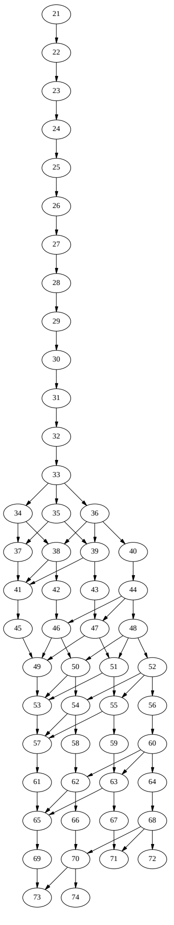
Neighborhoods

k	avg size	avg clustering
1	2.7	1
2	6	1.1
3	11.2	1.2
4	18.3	1.3

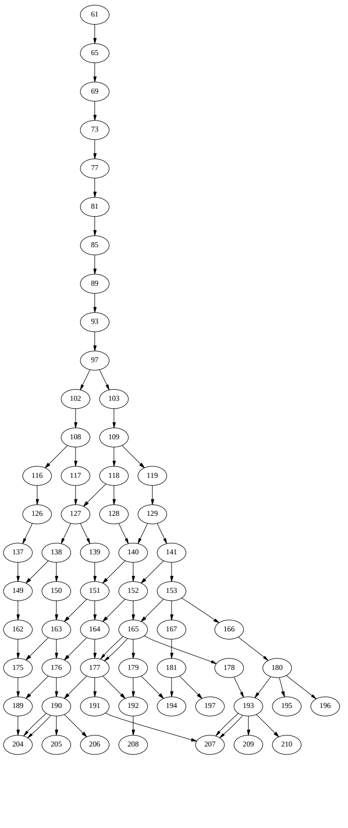
Visualization of some parts of the state state space:
Initial walk length: 0



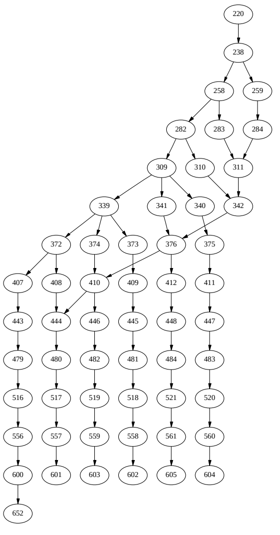
Initial walk length: 20



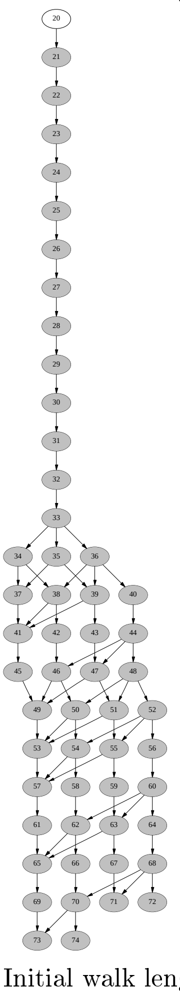
Initial walk length: 40



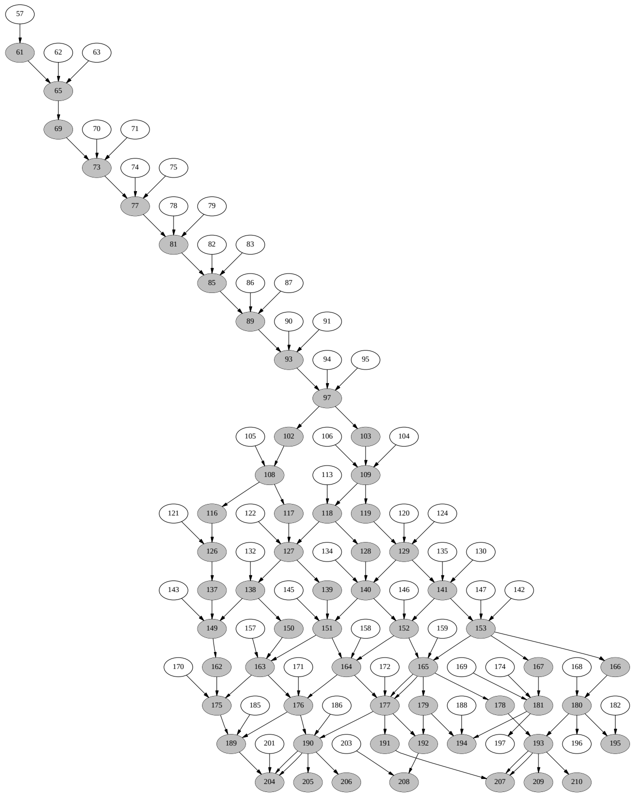
Initial walk length: 60



Initial walk length: 20



Initial walk length: 40



Initial walk length: 60