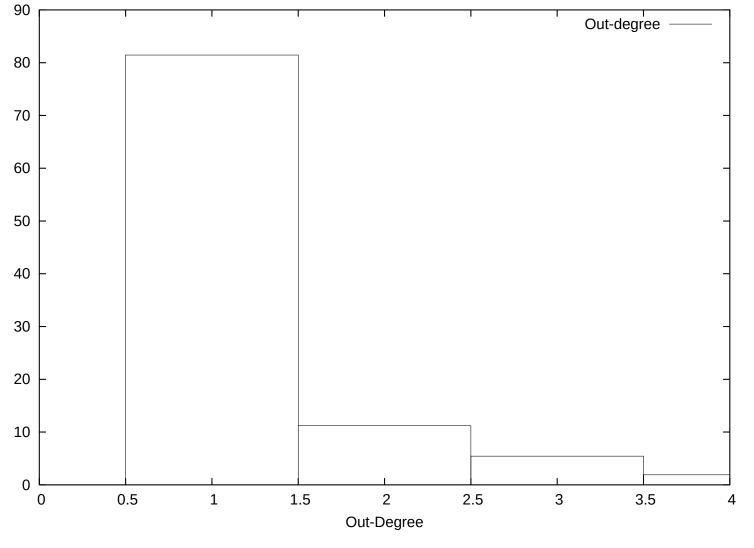
Graph: cadp/spec

General Info

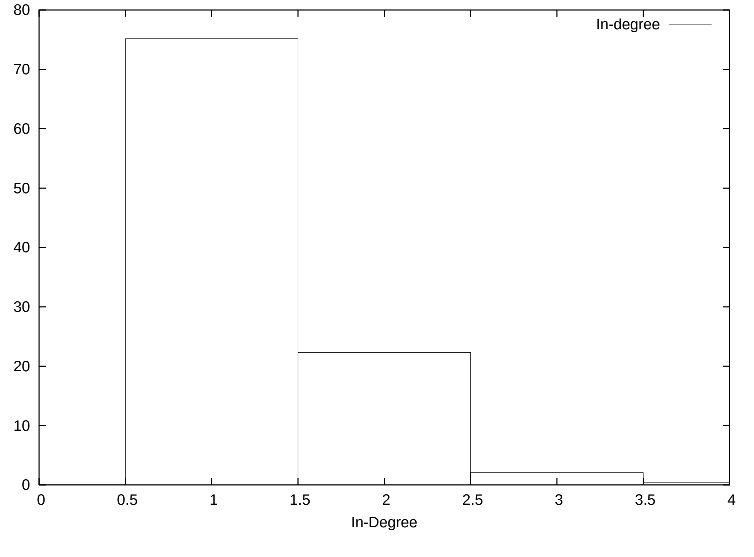
Example title	Dynamic Reconfiguration Protocol
Parameter	
Reduction	
Modification	

States	22,486
Edges	28,736
Average degree	1.2

Out-Degrees distribution:



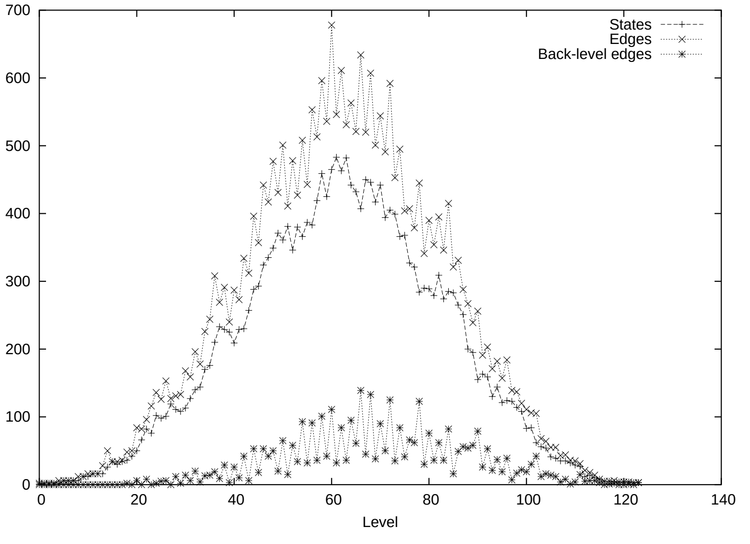
In-Degrees distribution:



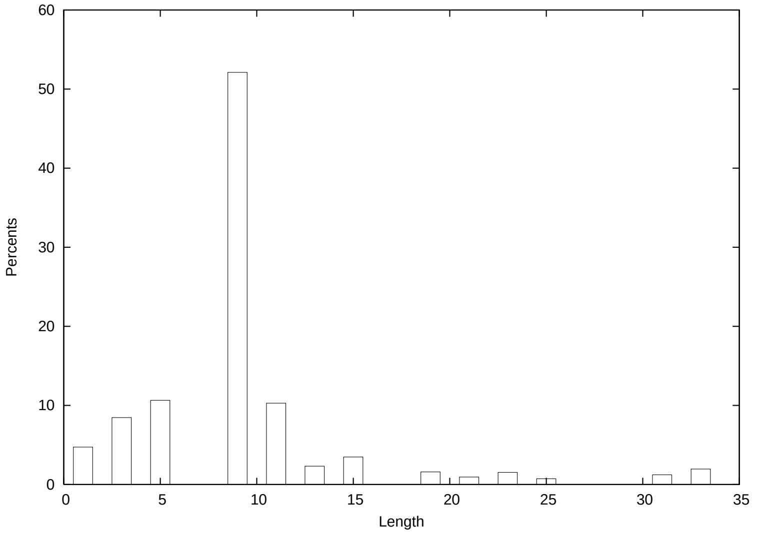
BFS Info

BFS height	123
BFS width	483 (2.1%)
Back level edges	3,590 (12.4%)

BFS level info:



Back level edges lengths:



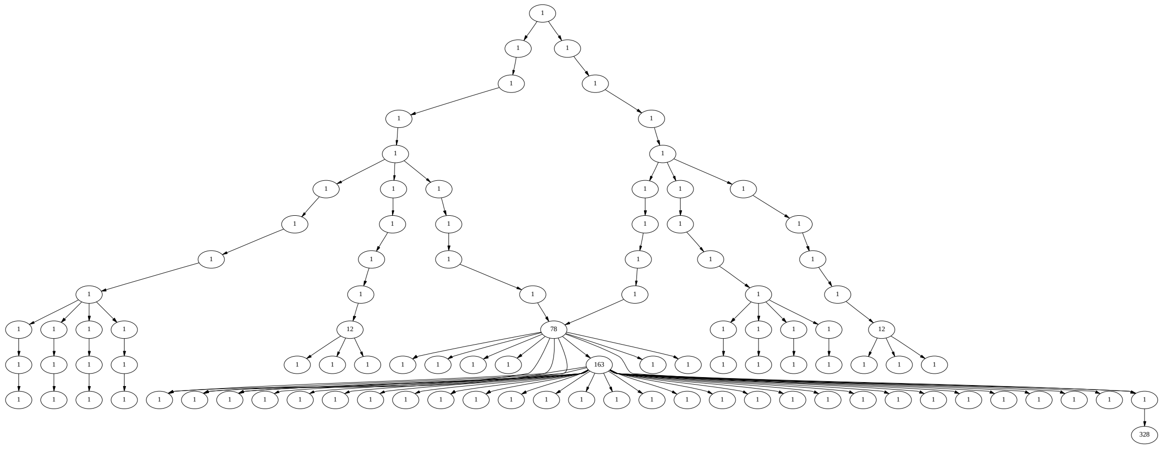
SCC Info

SCC components	4,544
SCC quetient height	74
SCC quetient nontrivial height	18
Number of terminal components	22
The largest component is	intermediate

Statistics according to **sizes**:

Size	Number of components	Number of states here
3,706	1	16.4%
1,853	1	8.2%
1,604	1	7.1%
1,515	1	6.7%
878	1	3.9%
744	1	3.3%
633	1	2.8%
495	1	2.2%
439	1	1.9%
437	1	1.9%
328	1	1.4%
270	1	1.2%
241	1	1%
222	1	0.9%
192	1	0.8%
163	1	0.7%
111	1	0.4%
101	22	9.8%
78	1	0.3%
60	11	2.9%
54	20	4.8%
12	2	0.1%
4	40	0.7%
1	4,431	19.7%

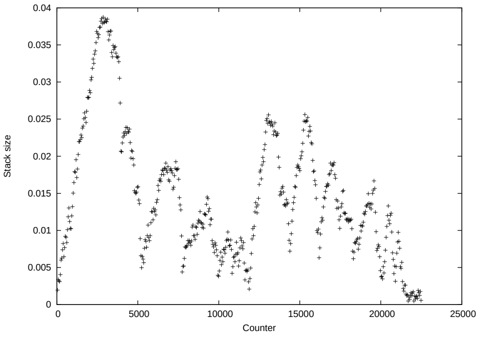
SCC component graph (part):



DFS Info

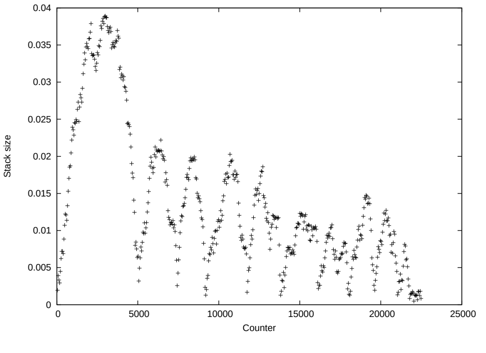
Run 0

front-edges : back-edges : cross-edges = 22,485 : 1,555 : 4,696 = 78.2%:5.4%:16.3%
Max. stack size: 890 (3.9%)
Shortest cycle detected: 4
Most often detected lengths of cycles: 10 (348), 12 (299), 4 (136), 20 (73), 32 (60)
Stack graph:



Run 1

front-edges : back-edges : cross-edges = 22,485 : 1,525 : 4,726 = 78.2%:5.3%:16.4%
Max. stack size: 880 (3.9%)
Shortest cycle detected: 4
Most often detected lengths of cycles: 10 (353), 12 (289), 4 (136), 32 (65), 20 (65)
Stack graph:



Local Structure

Short cycles(up to 6)

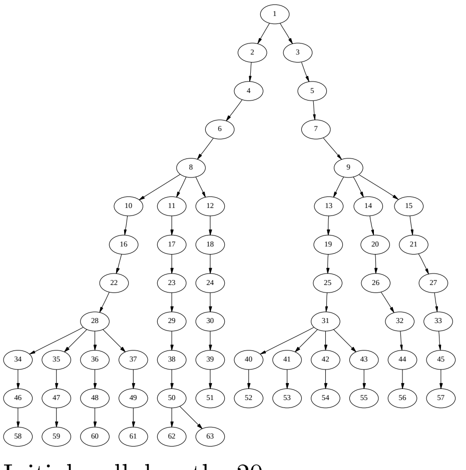
2	0	(0%)
3	0	(0%)
4	544	(2.4%)

Diamonds
1,616 (7.1%)

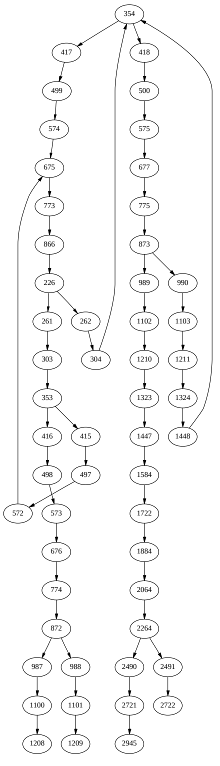
Neighborhoods

k	avg size	avg clustering
1	2.2	1
2	3.8	1
3	5.6	1
4	7.7	1

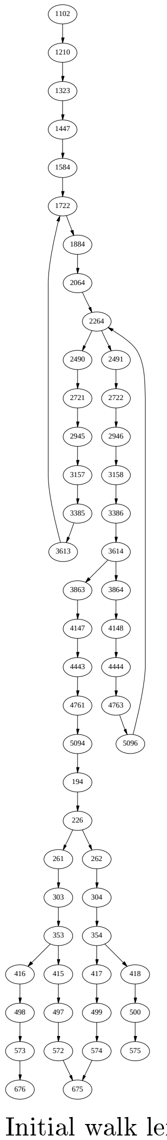
Visualization of some parts of the state state space:
Initial walk length: 0



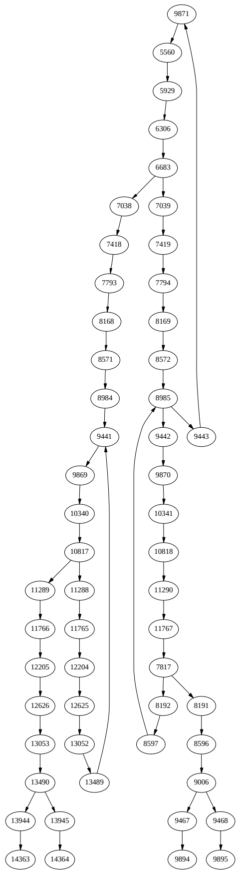
Initial walk length: 20



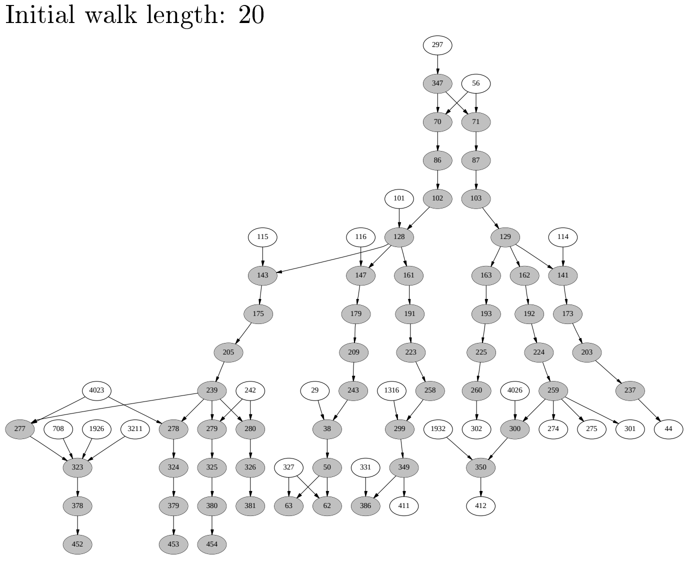
Initial walk length: 40



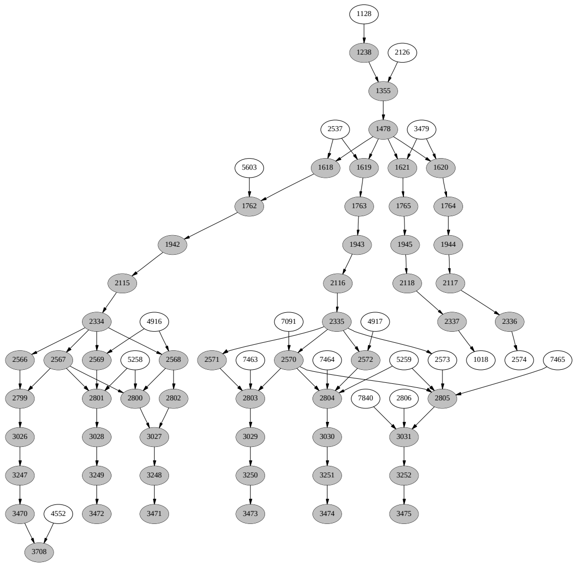
Initial walk length: 60



Initial walk length: 20



Initial walk length: 40



Initial walk length: 60