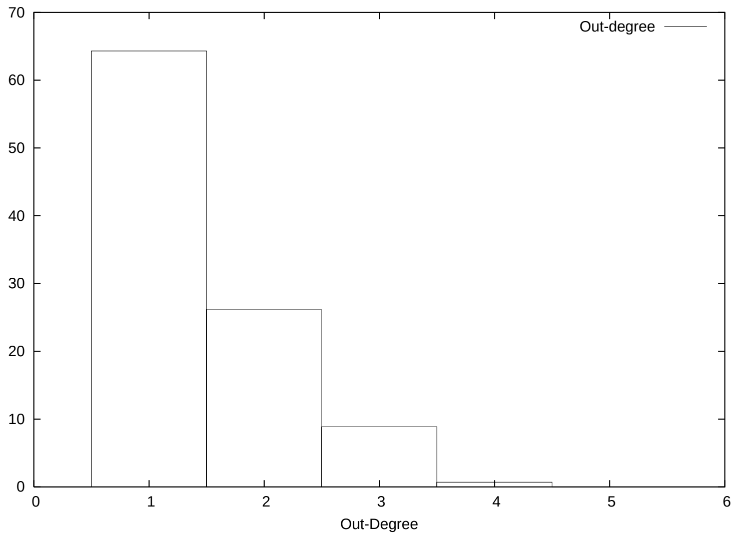
Graph: spin/sliding2

General Info

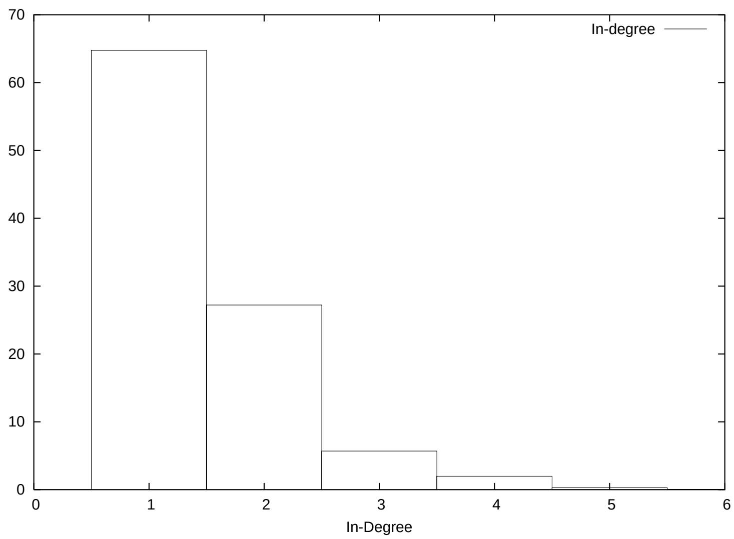
Example title	Go-Back-N Sliding Window Protocol
Parameter	
Reduction	
Modification	

States	35,861
Edges	52,341
Average degree	1.4

Out-Degrees distribution:



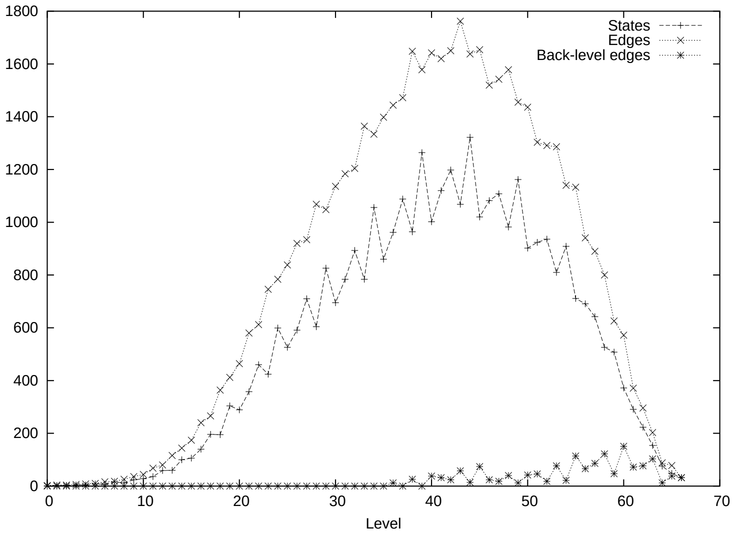
In-Degrees distribution:



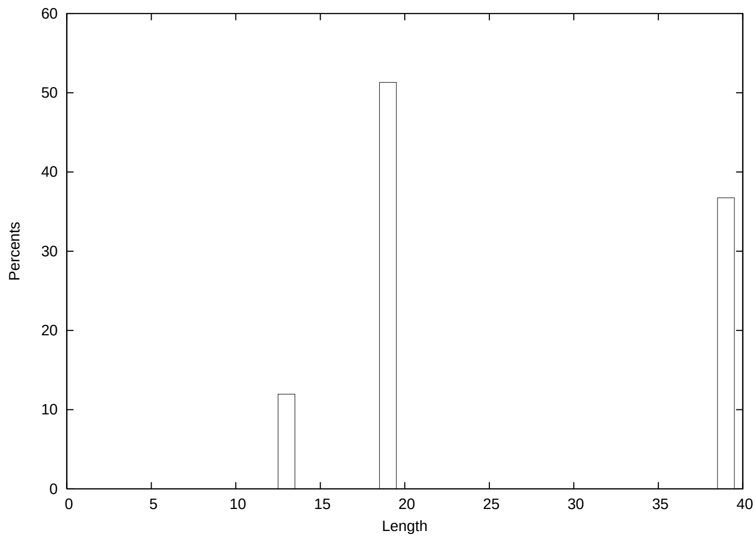
BFS Info

BFS height	66
BFS width	1,322 (3.6%)
Back level edges	1,497 (2.8%)

BFS level info:



Back level edges lengths:



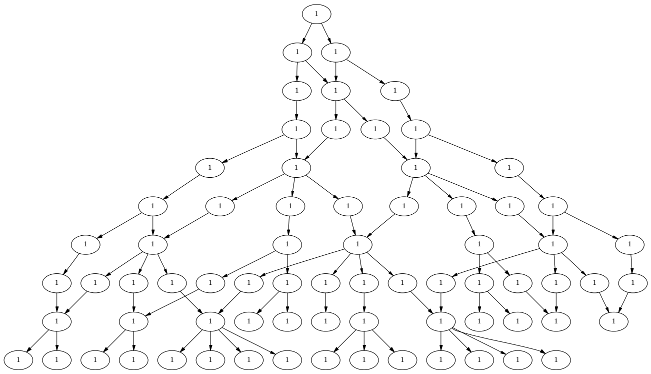
SCC Info

SCC components	2,102
SCC quetient height	67
SCC quetient nontrivial height	1
Number of terminal components	1
The largest component is	the only terminal

Statistics according to **sizes**:

Size	Number of components	Number of states here
33,760	1	94.1%
1	2,101	5.8%

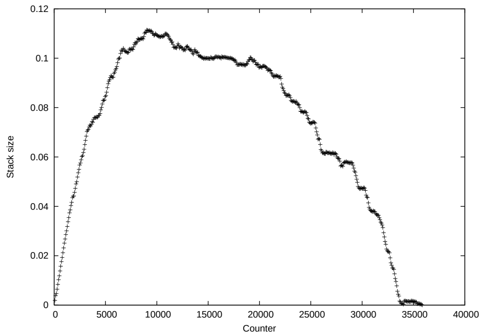
SCC component graph (part):



DFS Info

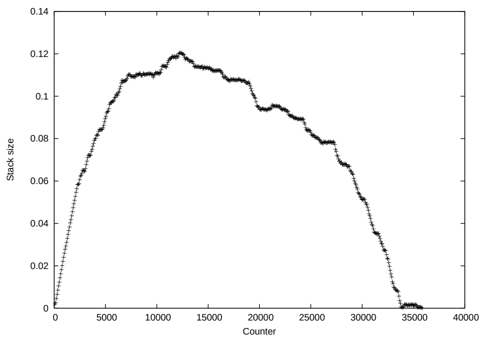
Run 0

front-edges : back-edges : cross-edges = 35,860 : 2,498 : 13,983 = 68.5%:4.7%:26.7%
Max. stack size: 4,006 (11.1%)
Shortest cycle detected: 40
Most often detected lengths of cycles: 40 (284), 80 (127), 2340 (50), 1220 (49), 120 (47)
Stack graph:



Run 1

front-edges : back-edges : cross-edges = 35,860 : 2,635 : 13,846 = 68.5%:5%:26.4%
Max. stack size: 4,329 (12%)
Shortest cycle detected: 40
Most often detected lengths of cycles: 40 (351), 80 (93), 120 (59), 160 (53), 900 (52)
Stack graph:



Local Structure

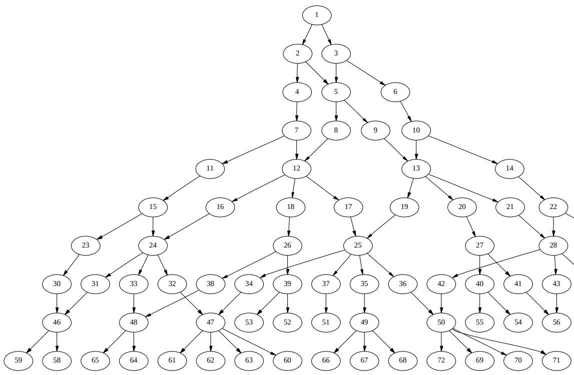
Short cycles(up to 6)
none
Diamonds

2,336 (6.5%)

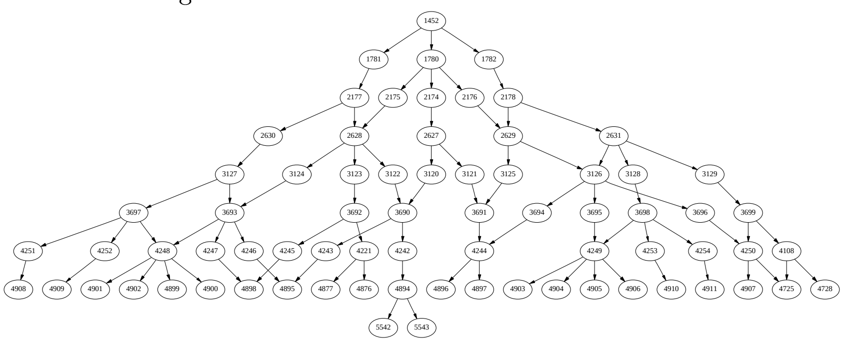
Neighborhoods

k	avg size	avg clustering
1	2.4	1
2	4.8	1
3	8.1	1
4	12.6	1

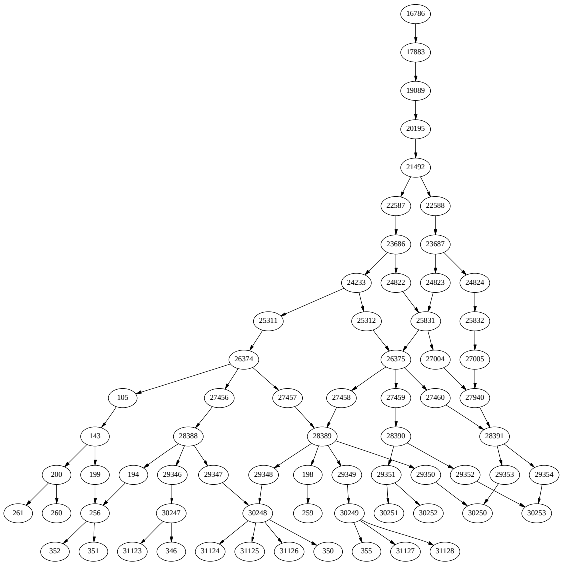
Visualization of some parts of the state state space:
Initial walk length: 0



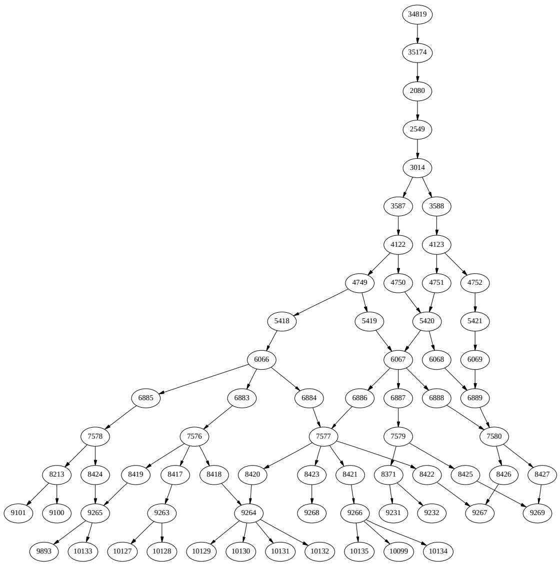
Initial walk length: 20



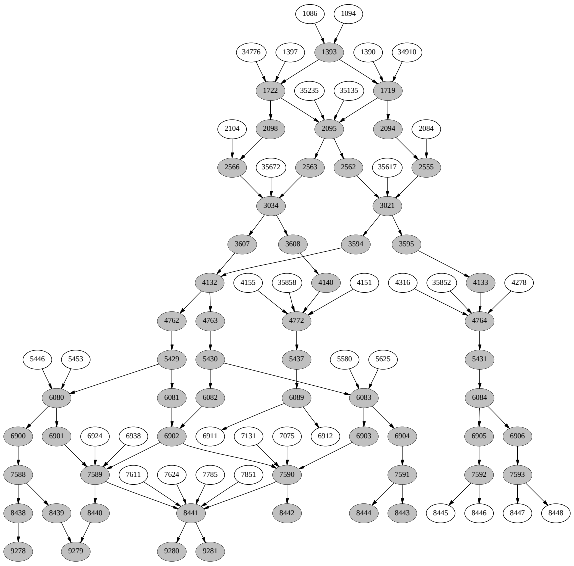
Initial walk length: 40



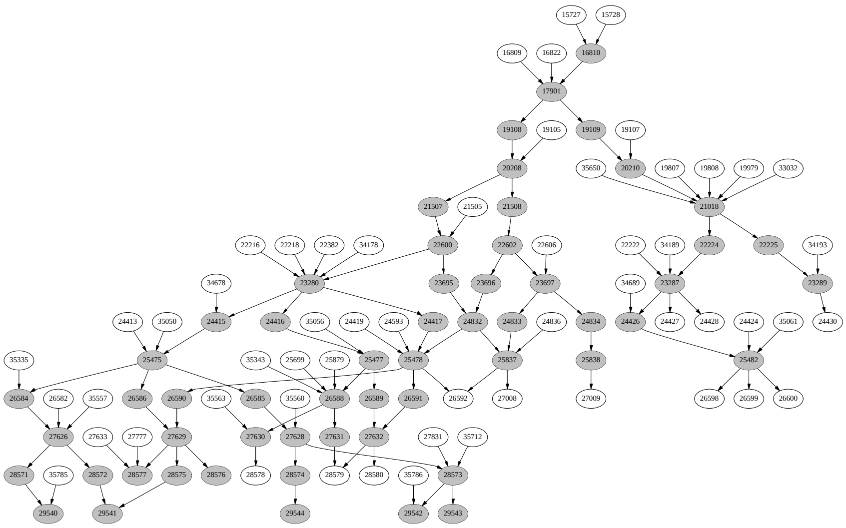
Initial walk length: 60



Initial walk length: 20



Initial walk length: 40



Initial walk length: 60