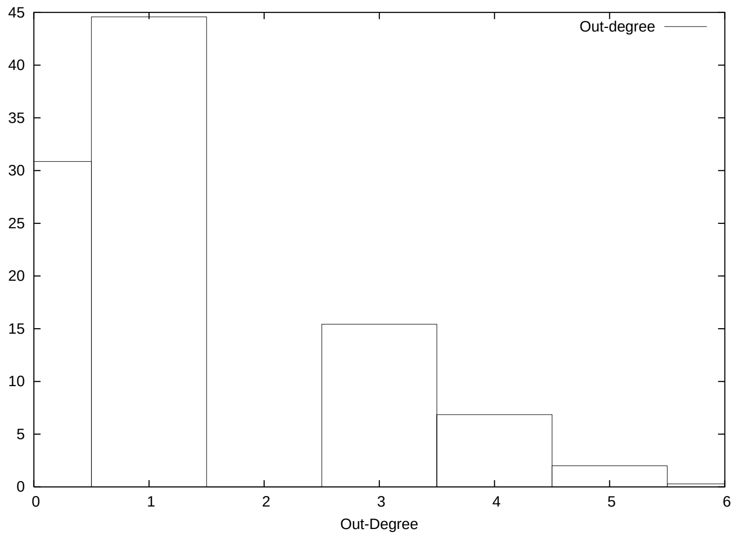
Graph: spin/test2-ring3

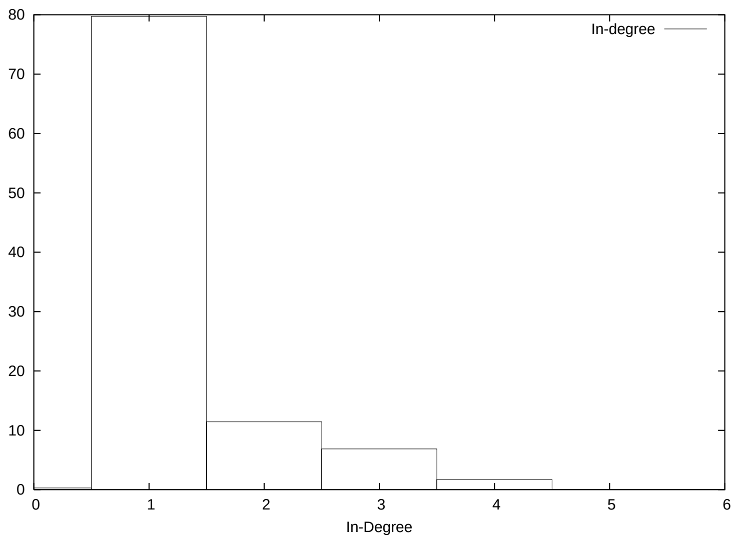
General Info

Example title	Token Ring
Parameter	3
Reduction	
Modification	
States	350
Edges	455
Average degree	1.3

Out-Degrees distribution:



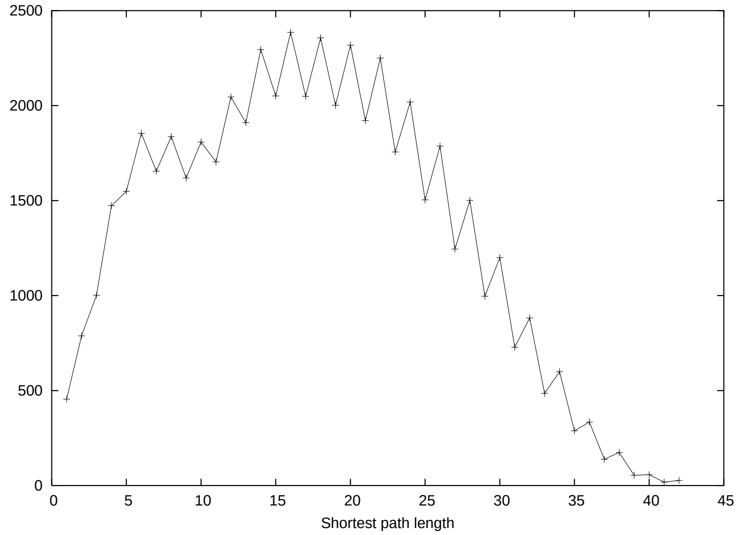
In-Degrees distribution:



Shortest Paths Info

Diameter: 42
Average shortest path length: 17.237

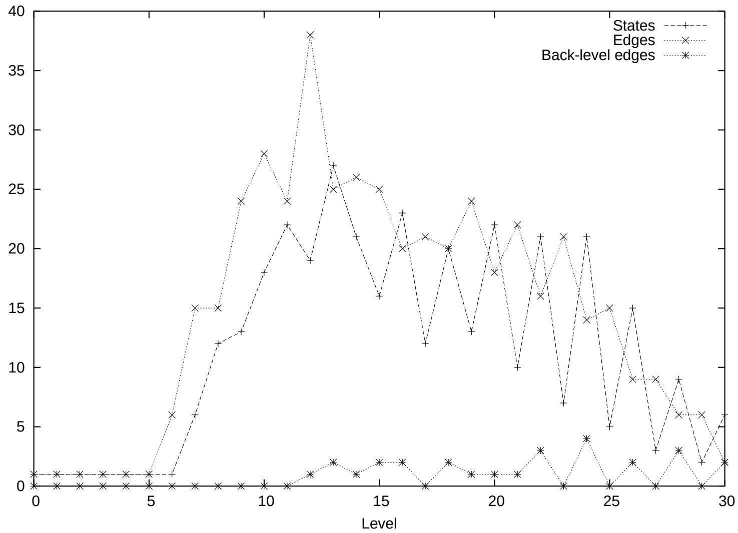
Shortest paths lengths frequencies:



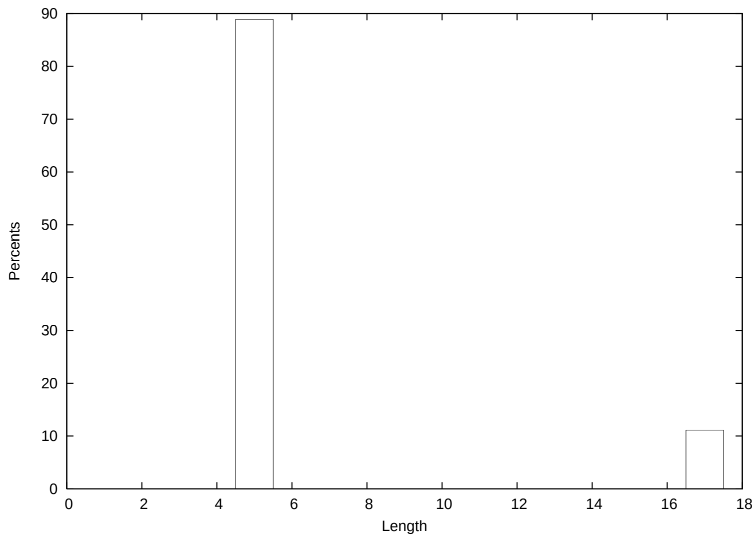
BFS Info

BFS height	30
BFS width	27 (7.7%)
Back level edges	27 (5.9%)

BFS level info:



Back level edges lengths:



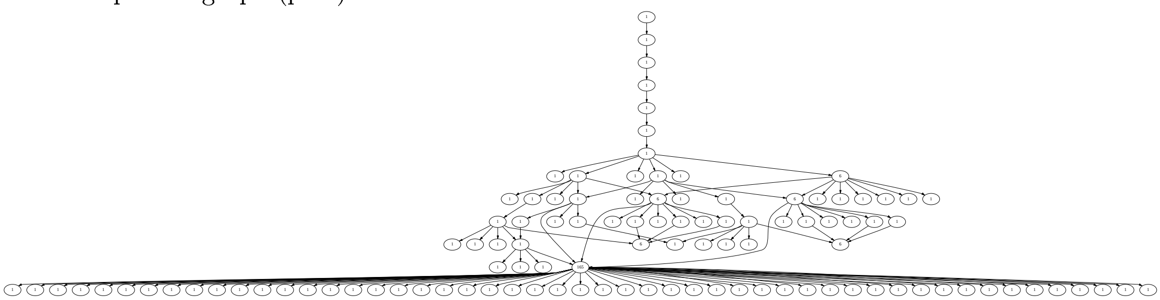
SCC Info

SCC components	151
SCC quetient height	18
SCC quetient nontrivial height	10
Number of terminal components	108
The largest component is	intermediate

Statistics according to **sizes**:

Size	Number of components	Number of states here
165	1	47.1%
6	7	12%
1	143	40.8%

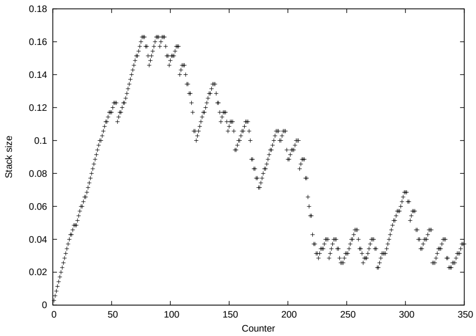
SCC component graph (part):



DFS Info

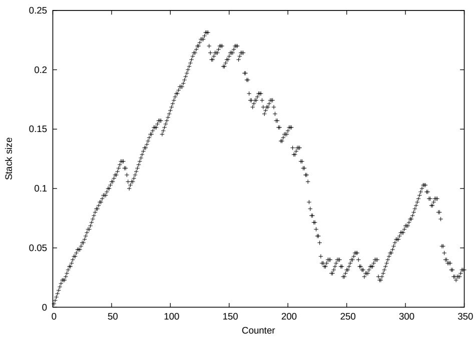
Run 0

front-edges : back-edges : cross-edges = 349 : 30 : 76 = 76.7%:6.5%:16.7%
Max. stack size: 57 (16.2%)
Shortest cycle detected: 6
Most often detected lengths of cycles: 6 (19), 30 (9), 24 (2), (), ()
Stack graph:



Run 1

front-edges : back-edges : cross-edges = 349 : 42 : 64 = 76.7%:9.2%:14%
Max. stack size: 81 (23.1%)
Shortest cycle detected: 6
Most often detected lengths of cycles: 6 (20), 48 (7), 24 (5), 36 (4), 30 (4)
Stack graph:



Local Structure

Short cycles(up to 6)

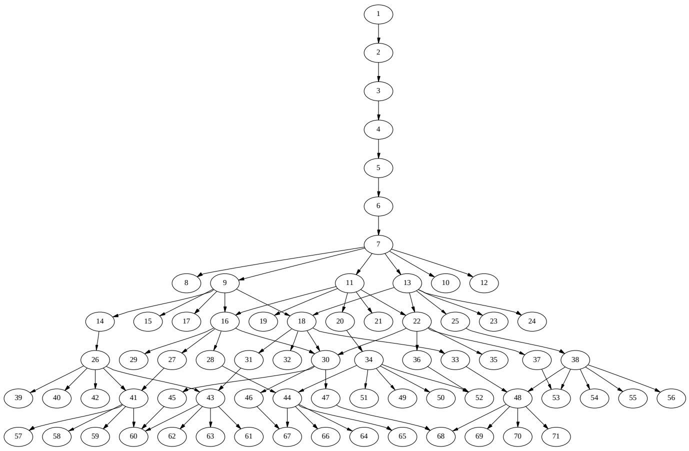
2	0	(0%)
3	0	(0%)
4	0	(0%)
5	0	(0%)
6	132	(37.7%)

Diamonds
8 (2.2%)

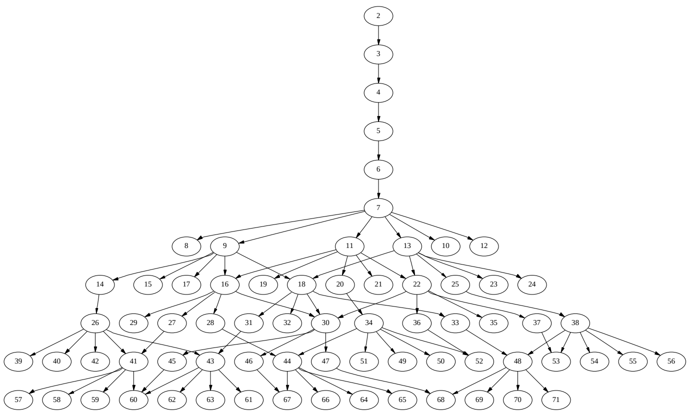
Neighborhoods

k	avg size	avg clustering
1	2.3	1
2	4.5	1
3	7.4	1
4	11.6	1

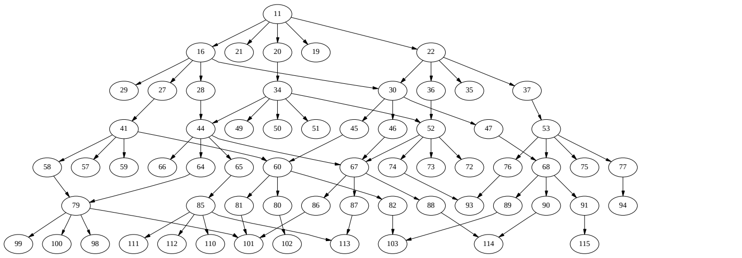
Visualization of some parts of the state state space:
Initial walk length: 0



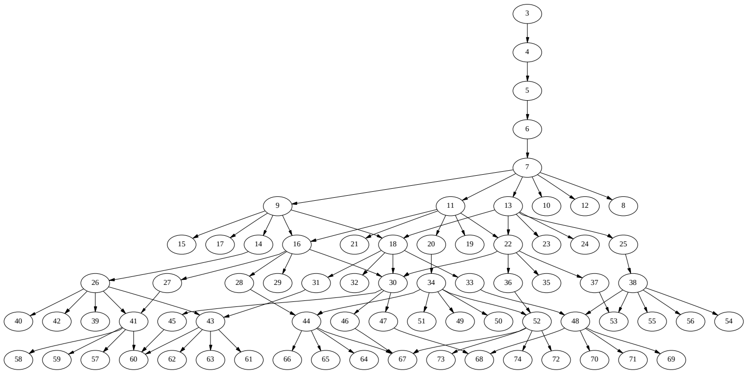
Initial walk length: 20



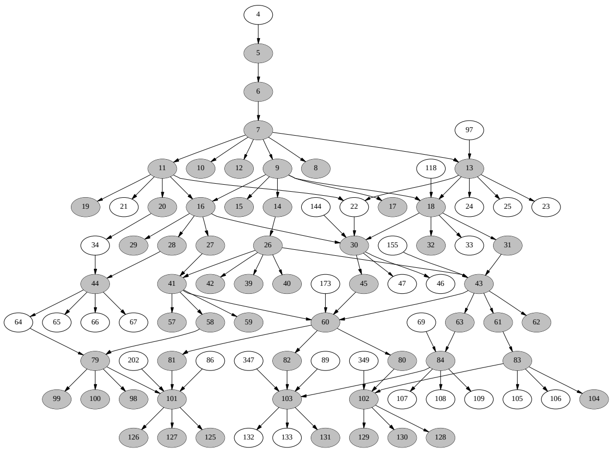
Initial walk length: 40



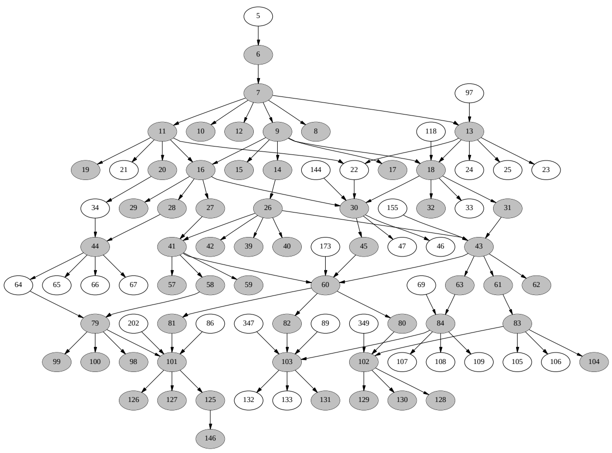
Initial walk length: 60



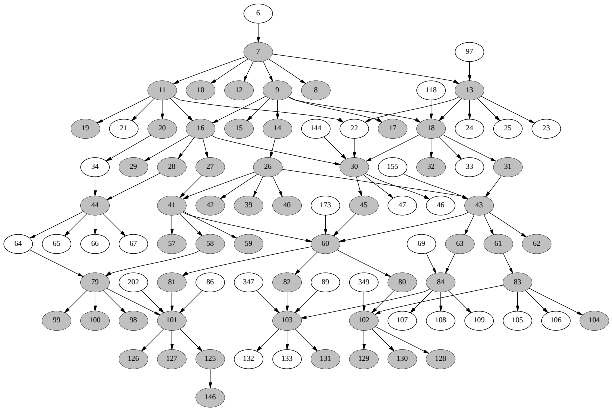
Initial walk length: 20



Initial walk length: 40



Initial walk length: 60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