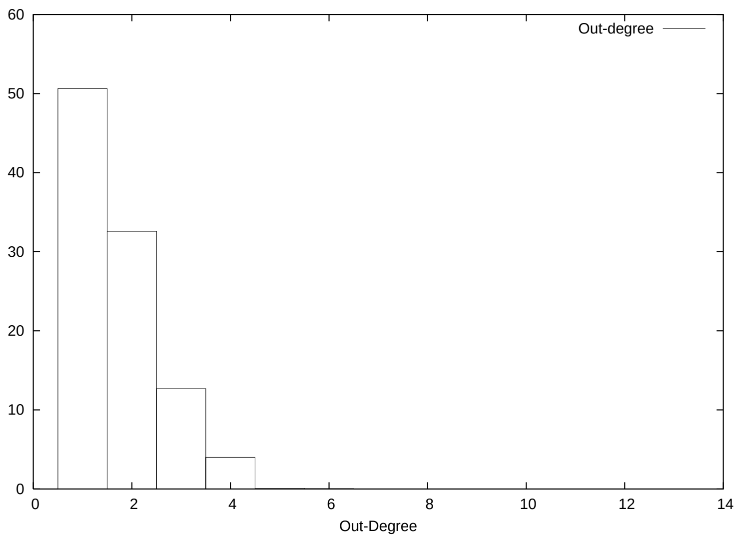
Graph: spin/cambridge00.red

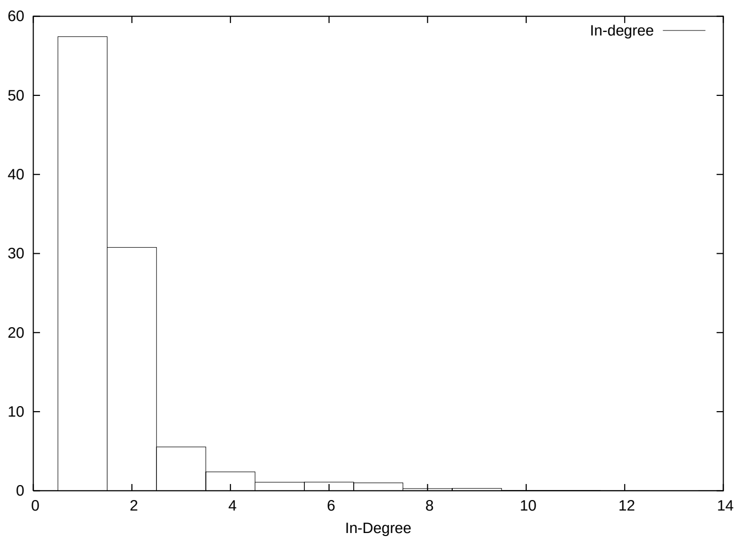
General Info

Example title	Cambridge Ring Protocol
Parameter	00
Reduction	POR
Modification	
States	7,205
Edges	12,276
Average degree	1.7

Out-Degrees distribution:



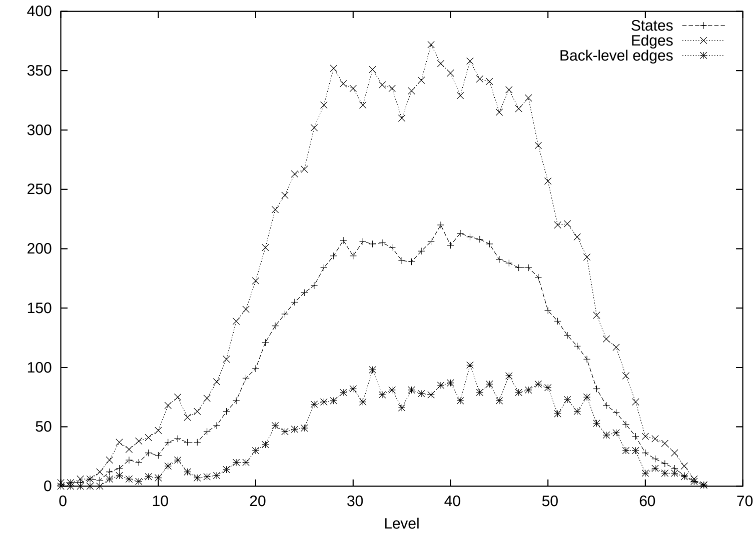
In-Degrees distribution:



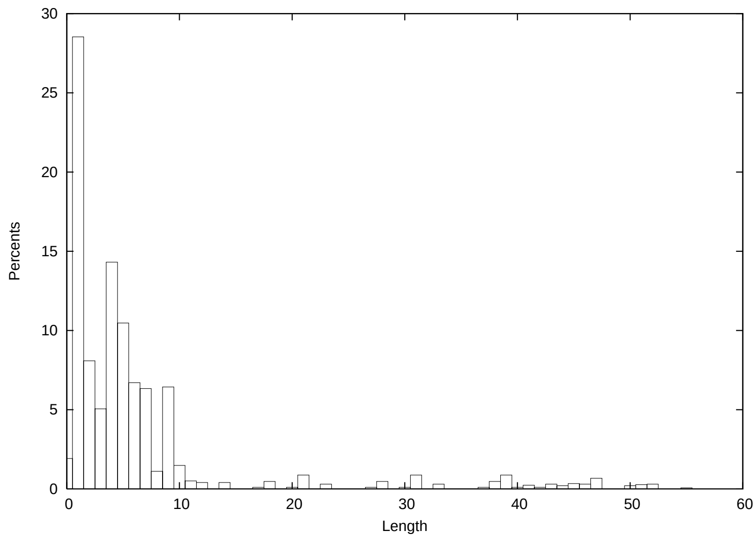
BFS Info

BFS height	66
BFS width	220 (3%)
Back level edges	2,969 (24.1%)

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**:

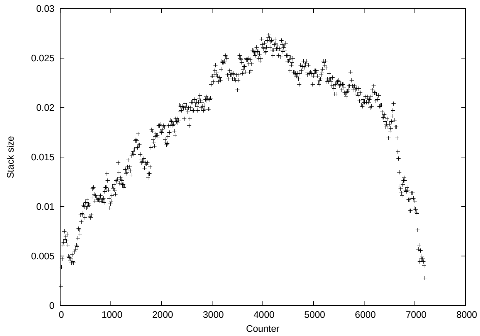
Size	Number of components	Number of states here
7,205	1	100%

SCC component graph (part):

DFS Info

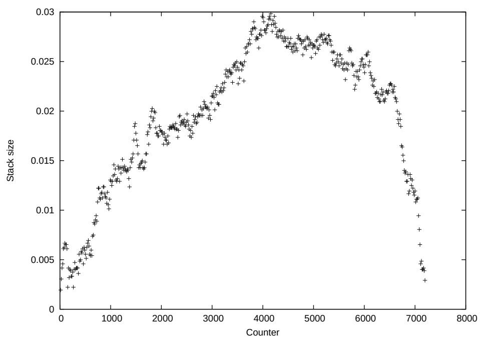
Run 0

front-edges : back-edges : cross-edges = 7,204 : 157 : 4,915 = 58.6%:1.2%:40%
Max. stack size: 201 (2.7%)
Shortest cycle detected: 5
Most often detected lengths of cycles: 10 (15), 44 (10), 92 (6), 35 (6), 105 (6)
Stack graph:



Run 1

front-edges : back-edges : cross-edges = 7,204 : 149 : 4,923 = 58.6%:1.2%:40.1%
Max. stack size: 218 (3%)
Shortest cycle detected: 5
Most often detected lengths of cycles: 10 (12), 28 (9), 48 (8), 125 (7), 16 (7)
Stack graph:



Local Structure

Short cycles(up to 6)

2	0	(0%)
3	0	(0%)
4	0	(0%)
5	20	(0.2%)
6	47	(0.6%)

Diamonds

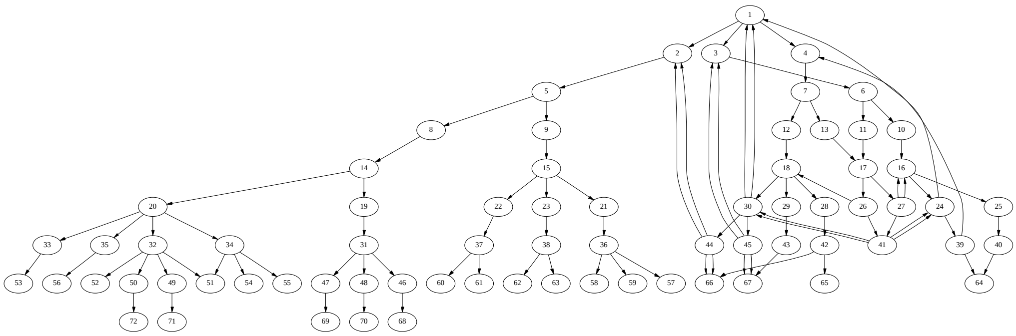
1,691 (23.4%)

Neighborhoods

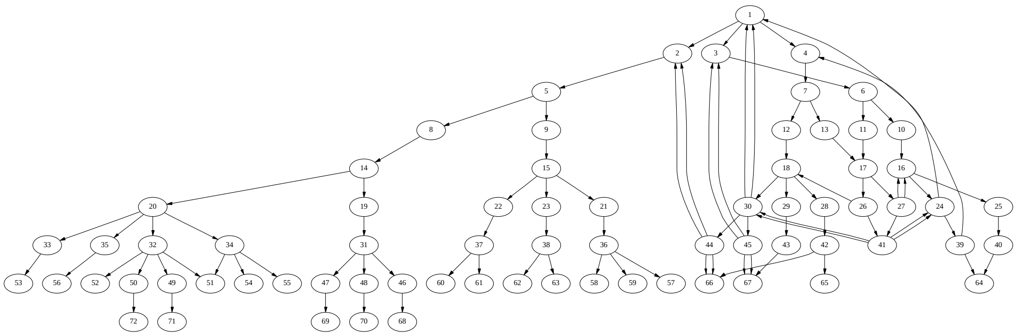
k	avg size	avg clustering
1	2.6	1
2	5	1.1
3	8.5	1.1
4	13.2	1.2

Visualization of some parts of the state state space:

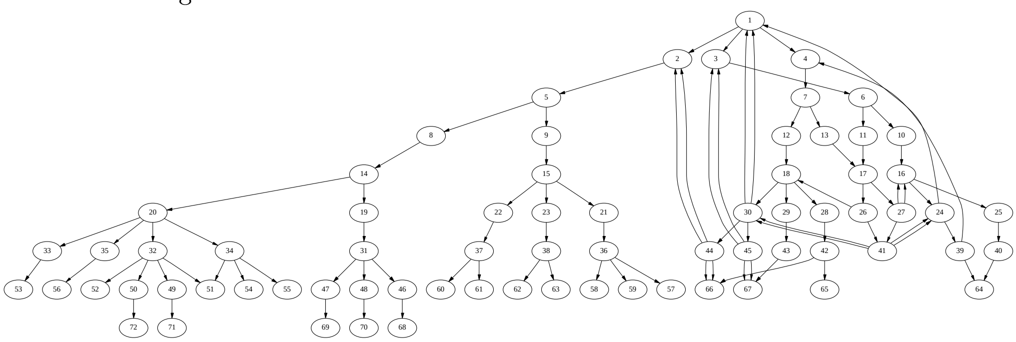
Initial walk length: 0



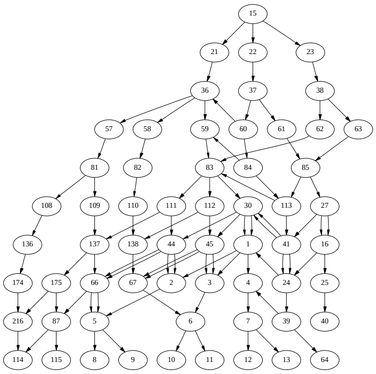
Initial walk length: 20



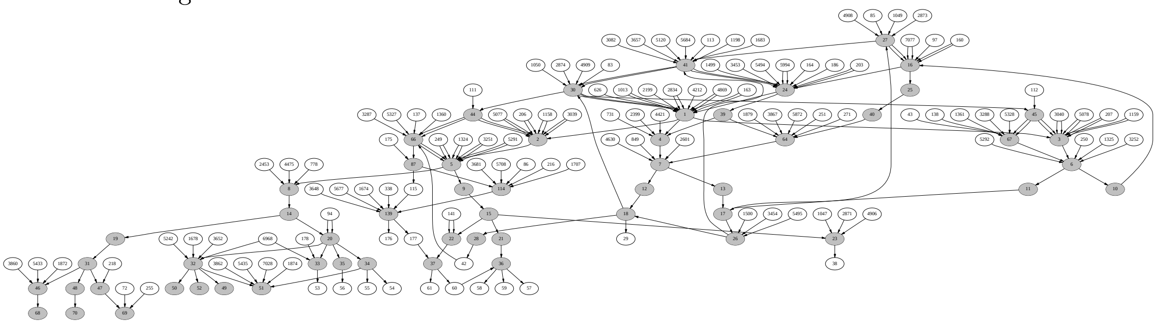
Initial walk length: 40



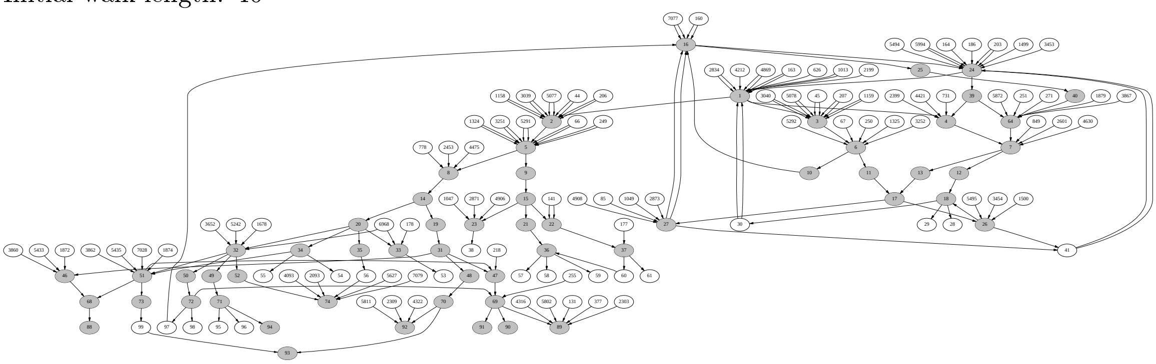
Initial walk length: 60



Initial walk length: 20



Initial walk length: 40



Initial walk length: 60