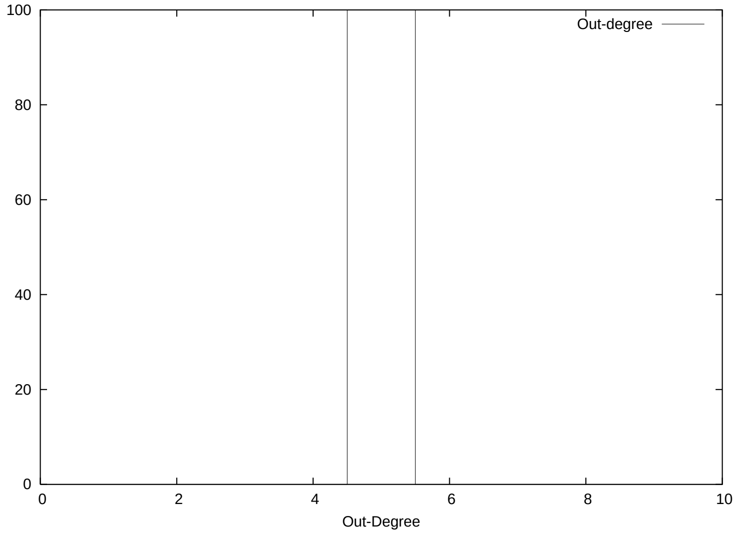
Graph: maso/ring5

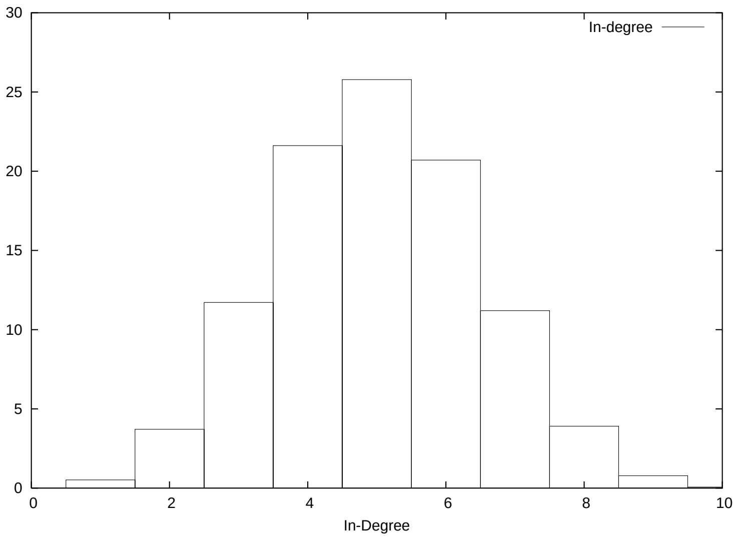
General Info

Example title	Token ring
Parameter	5
Reduction	
Modification	
States	7,680
Edges	38,400
Average degree	5

Out-Degrees distribution:



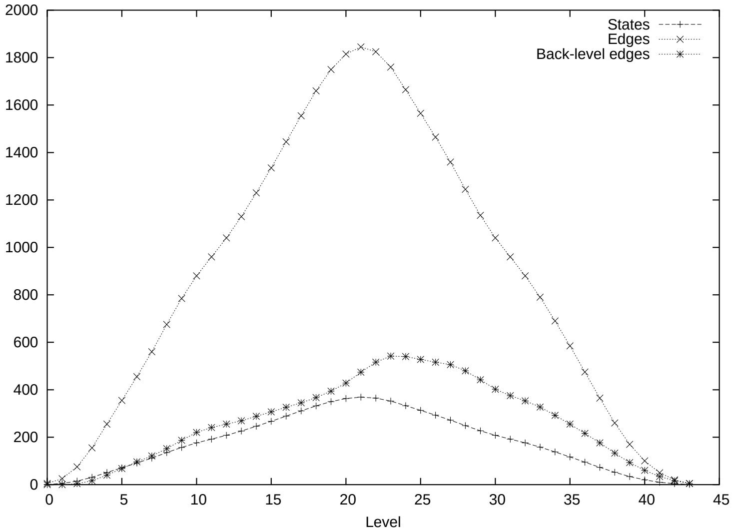
In-Degrees distribution:



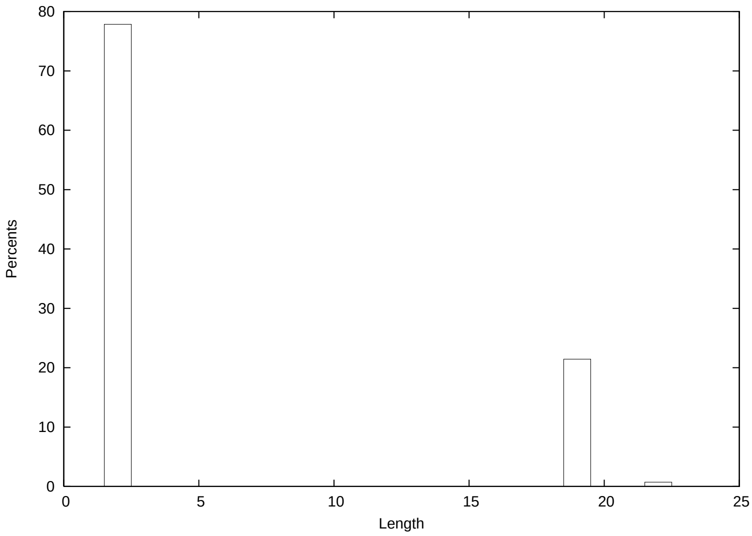
BFS Info

BFS height	43
BFS width	369 (4.8%)
Back level edges	11,405 (29.7%)

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**:

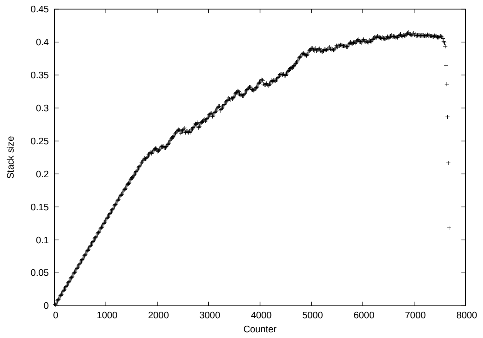
Size	Number of components	Number of states here
7,680	1	100%

SCC component graph (part):

DFS Info

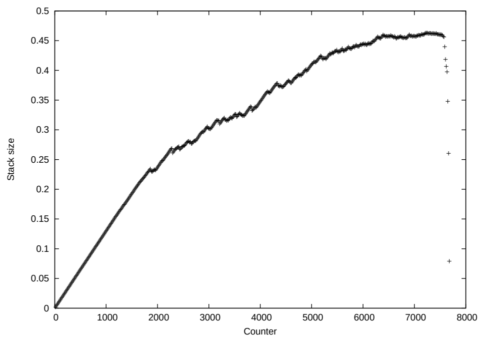
Run 0

front-edges : back-edges : cross-edges = 7,679 : 14,661 : 16,060 = 19.9%:38.1%:41.8%
Max. stack size: 3,186 (41.4%)
Shortest cycle detected: 3
Most often detected lengths of cycles: 3 (1591), 6 (746), 9 (446), 12 (345), 15 (227)
Stack graph:



Run 1

front-edges : back-edges : cross-edges = 7,679 : 15,209 : 15,512 = 19.9%:39.6%:40.3%
Max. stack size: 3,564 (46.4%)
Shortest cycle detected: 3
Most often detected lengths of cycles: 3 (1536), 6 (661), 9 (436), 12 (305), 15 (171)
Stack graph:



Local Structure

Short cycles(up to 6)

2	0	(0%)
3	7,650	(99.6%)

Diamonds

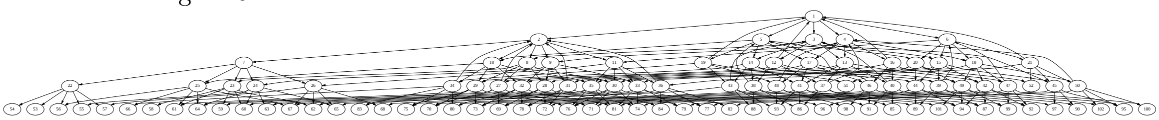
7,680 (100%)

Neighborhoods

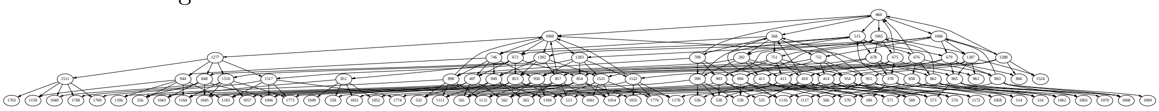
k	avg size	avg clustering
1	6	1
2	21	1.4
3	53.3	2
4	108.7	2.4

Visualization of some parts of the state state space:

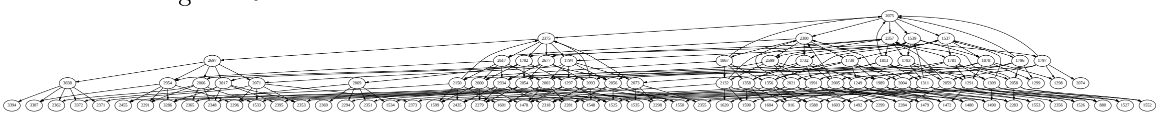
Initial walk length: 0



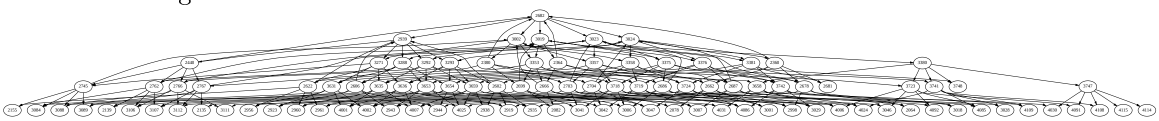
Initial walk length: 20



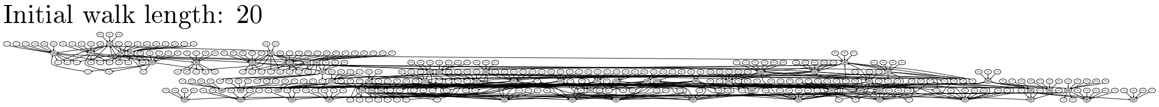
Initial walk length: 40



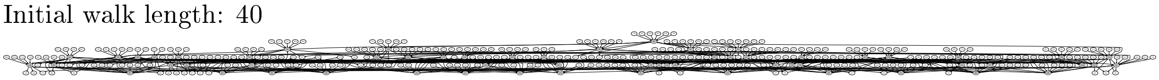
Initial walk length: 60



Initial walk length: 20



Initial walk length: 40



Initial walk length: 60