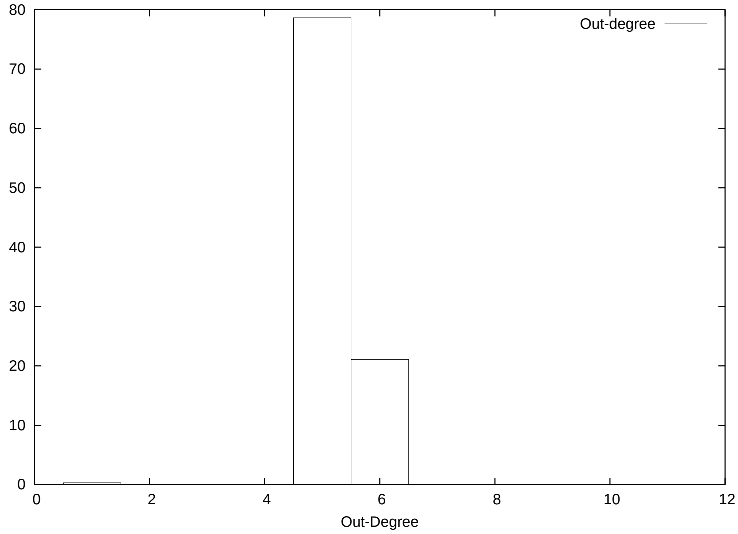
Graph: spin/counter

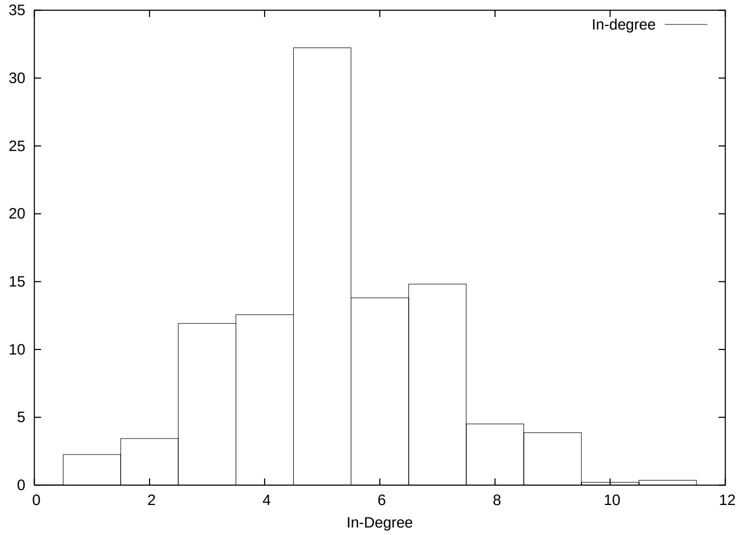
General Info

Example title	Artificial example
Parameter	
Reduction	
Modification	
States	4,657
Edges	24,210
Average degree	5.1

Out-Degrees distribution:



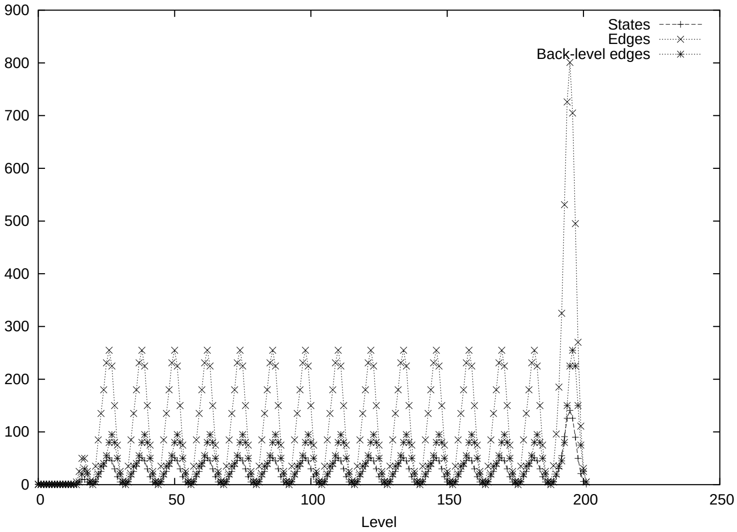
In-Degrees distribution:



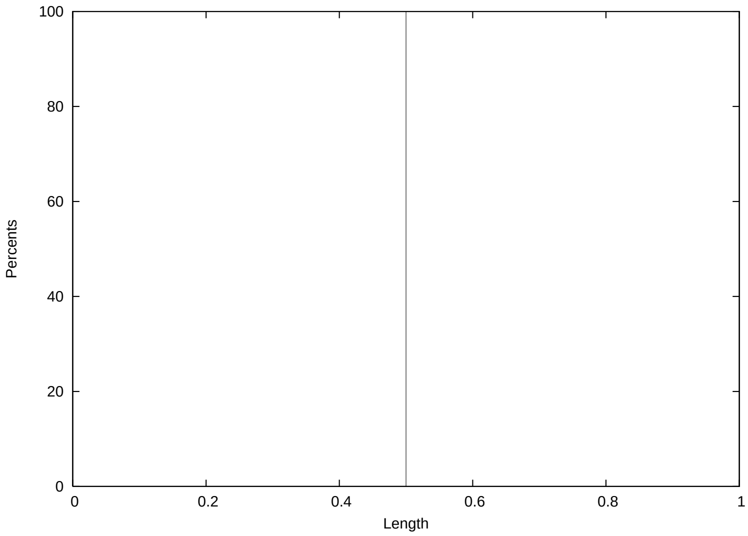
BFS Info

BFS height	201
BFS width	141 (3%)
Back level edges	8,165 (33.7%)

BFS level info:



Back level edges lengths:



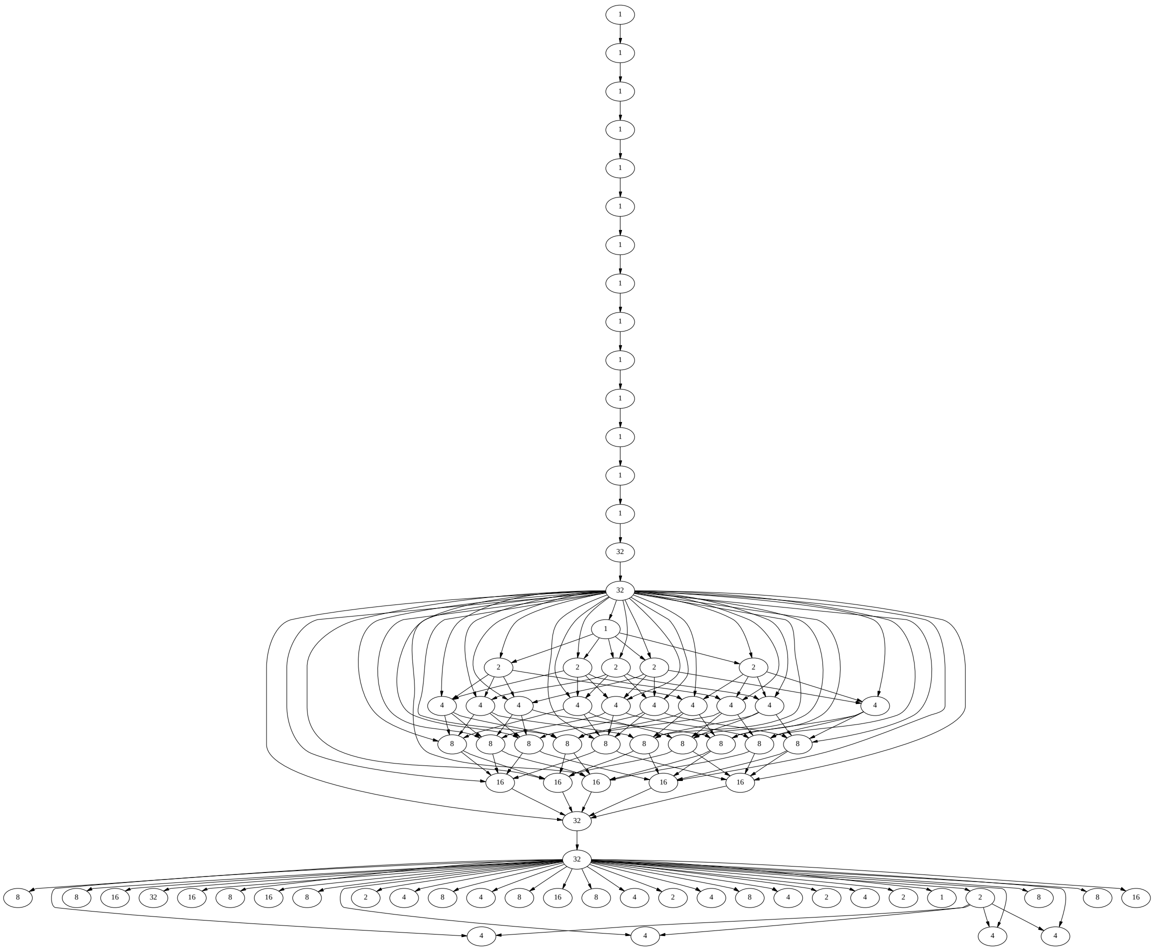
SCC Info

SCC components	574
SCC quetient height	121
SCC quetient nontrivial height	108
Number of terminal components	1
The largest component is	the only terminal

Statistics according to **sizes**:

Size	Number of components	Number of states here
32	33	22.6%
16	85	29.2%
8	170	29.2%
4	170	14.6%
2	85	3.6%
1	31	0.6%

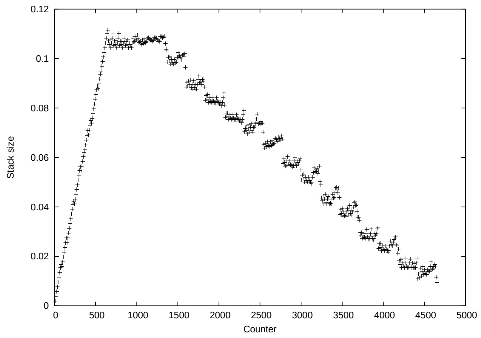
SCC component graph (part):



DFS Info

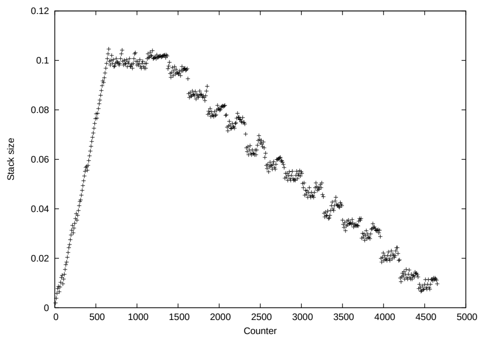
Run 0

front-edges : back-edges : cross-edges = 4,656 : 8,165 : 11,389 = 19.2%:33.7%:47%
Max. stack size: 519 (11.1%)
Shortest cycle detected: 2
Most often detected lengths of cycles: 2 (4083), 4 (1123), 6 (869), 8 (533), 10 (409)
Stack graph:



Run 1

front-edges : back-edges : cross-edges = 4,656 : 8,165 : 11,389 = 19.2%:33.7%:47%
Max. stack size: 489 (10.5%)
Shortest cycle detected: 2
Most often detected lengths of cycles: 2 (4083), 4 (1107), 6 (882), 8 (556), 10 (371)
Stack graph:



Local Structure

Short cycles(up to 6)

2	4,626	(99.3%)

Diamonds

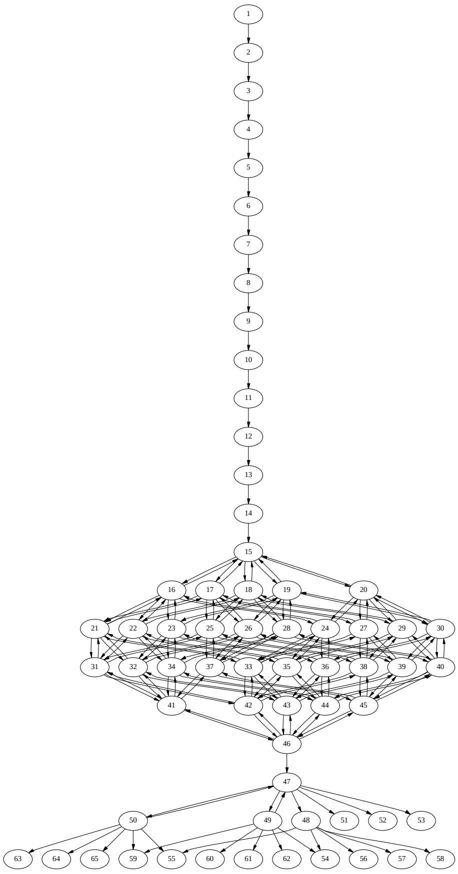
4,643 (99.6%)

Neighborhoods

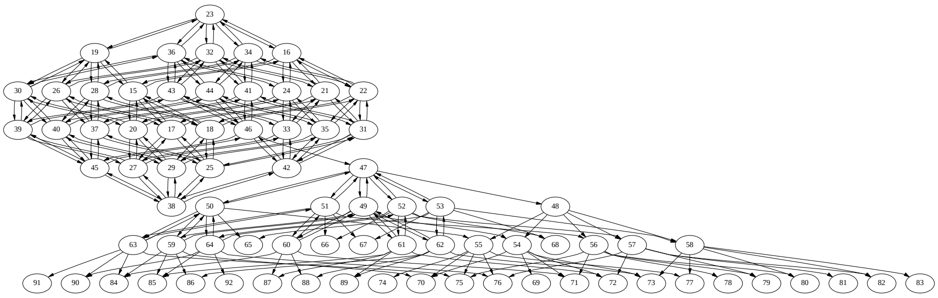
k	avg size	avg clustering
1	6.1	1
2	19	1.7
3	39.2	2.6
4	62.3	3.4

Visualization of some parts of the state state space:

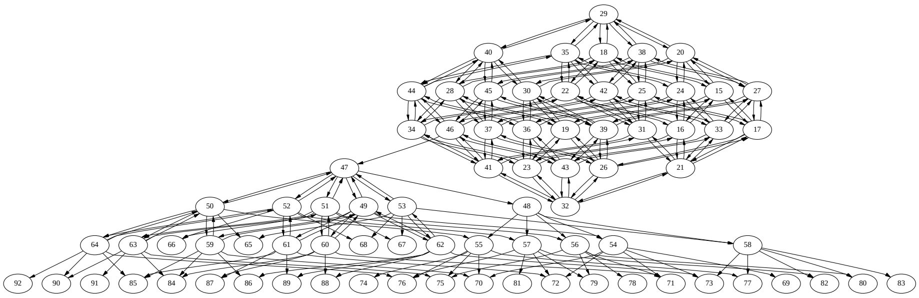
Initial walk length: 0



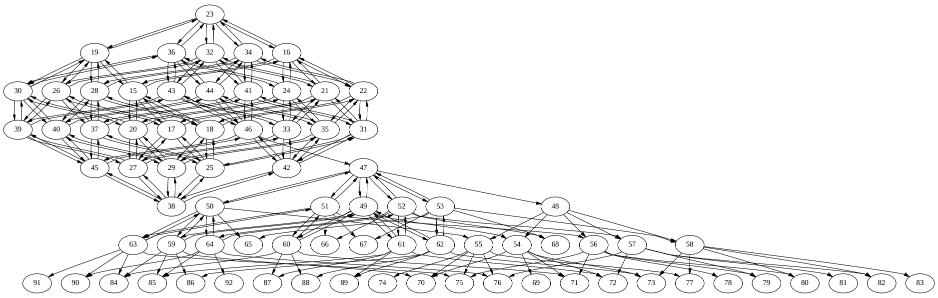
Initial walk length: 20



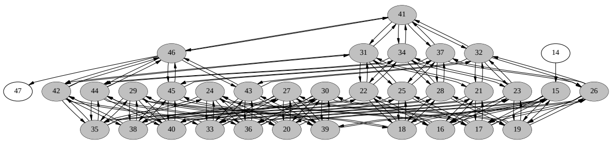
Initial walk length: 40



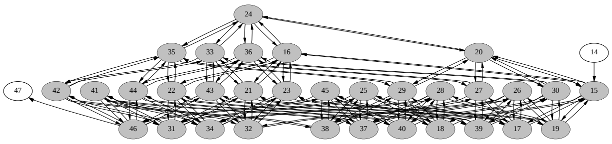
Initial walk length: 60



Initial walk length: 20



Initial walk length: 40



Initial walk length: 60