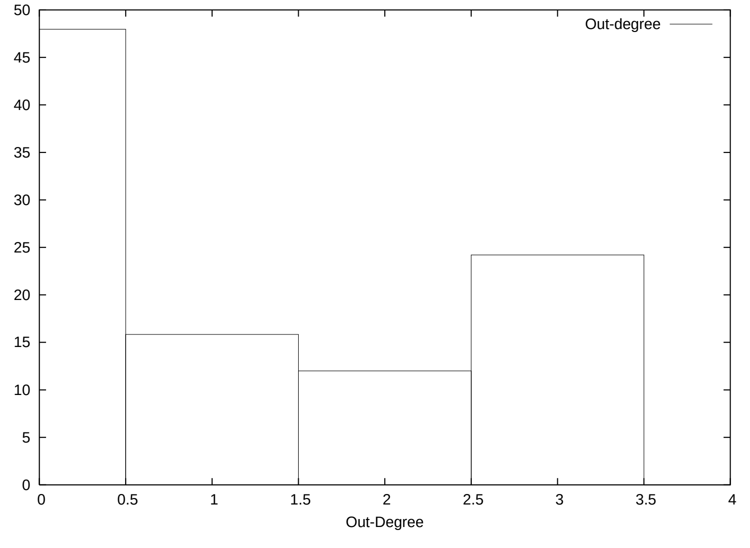
Graph: spin/test2-abp

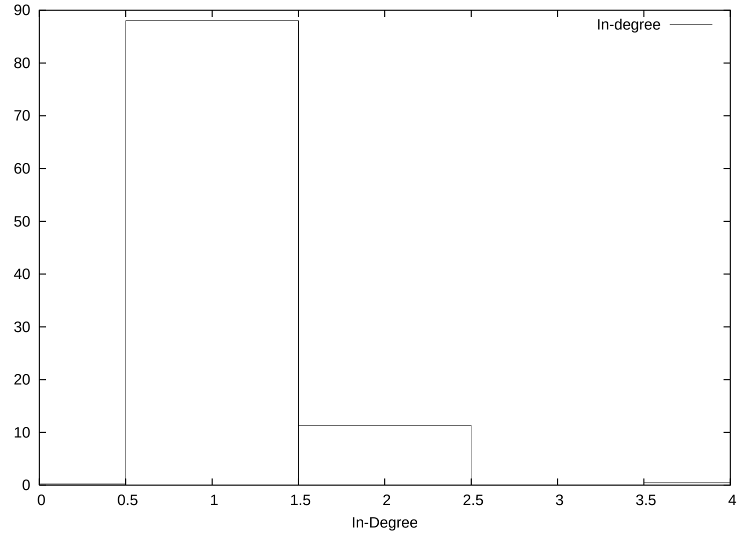
General Info

Example title	ABP
Parameter	
Reduction	
Modification	
States	442
Edges	497
Average degree	1.1

Out-Degrees distribution:



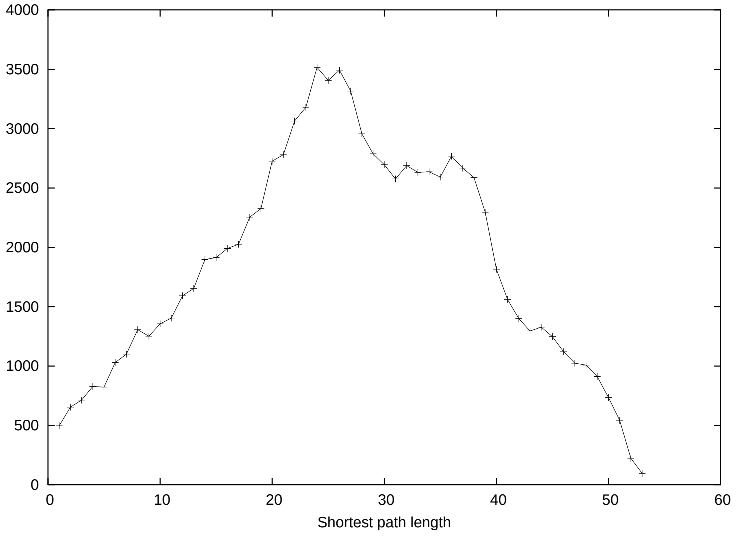
In-Degrees distribution:



Shortest Paths Info

Diameter: 53
Average shortest path length: 26.7541

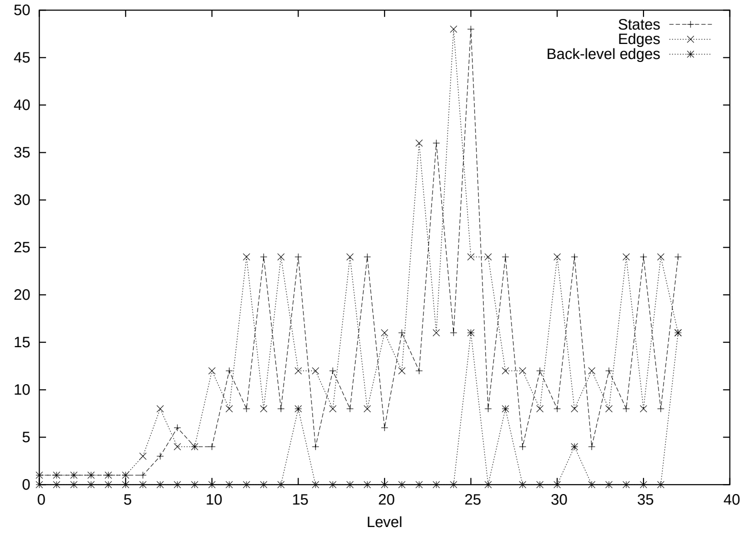
Shortest paths lengths frequencies:



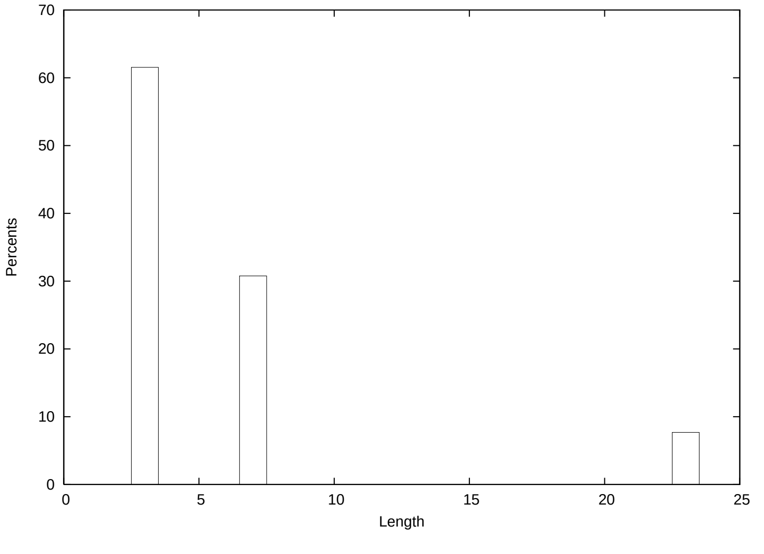
BFS Info

BFS height	37
BFS width	48 (10.8%)
Back level edges	52 (10.4%)

BFS level info:



Back level edges lengths:



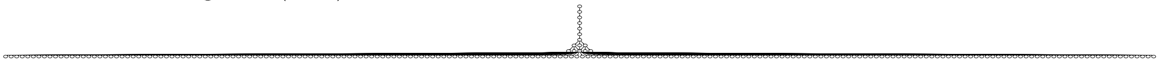
SCC Info

SCC components	223
SCC quetient height	9
SCC quetient nontrivial height	2
Number of terminal components	212
The largest component is	intermediate

Statistics according to **sizes**:

Size	Number of components	Number of states here
220	1	49.7%
1	222	50.2%

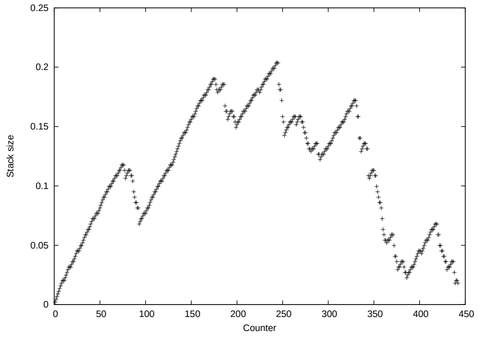
SCC component graph (part):



DFS Info

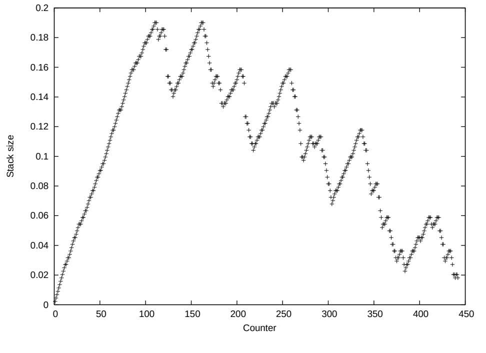
Run 0

front-edges : back-edges : cross-edges = 441 : 28 : 28 = 88.7%:5.6%:5.6%
Max. stack size: 90 (20.3%)
Shortest cycle detected: 4
Most often detected lengths of cycles: 4 (16), 8 (5), 12 (3), 28 (1), 76 (1)
Stack graph:



Run 1

front-edges : back-edges : cross-edges = 441 : 28 : 28 = 88.7%:5.6%:5.6%
Max. stack size: 84 (19%)
Shortest cycle detected: 4
Most often detected lengths of cycles: 4 (16), 8 (4), 12 (4), 32 (1), 40 (1)
Stack graph:



Local Structure

Short cycles(up to 6)

2	0	(0%)
3	0	(0%)
4	64	(14.4%)

Diamonds

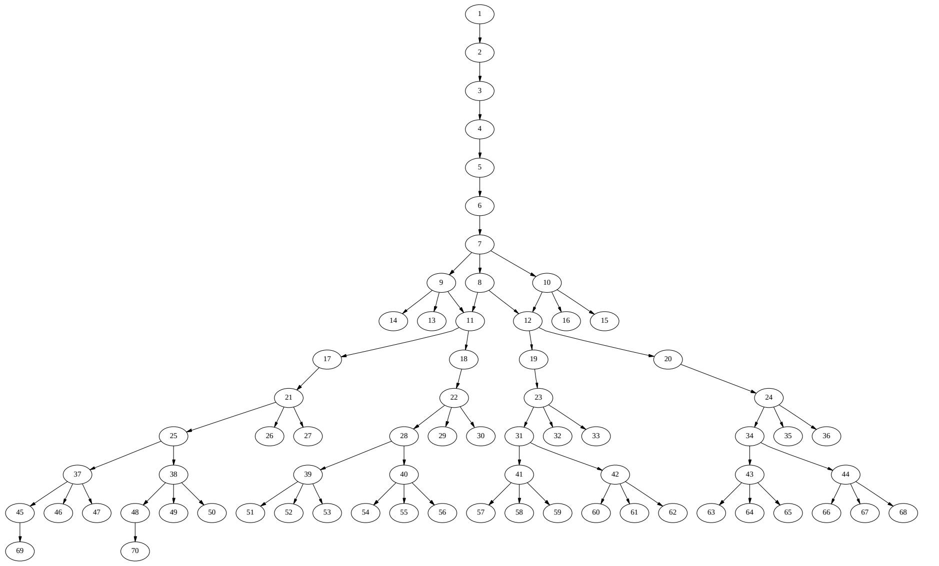
1 (0.2%)

Neighborhoods

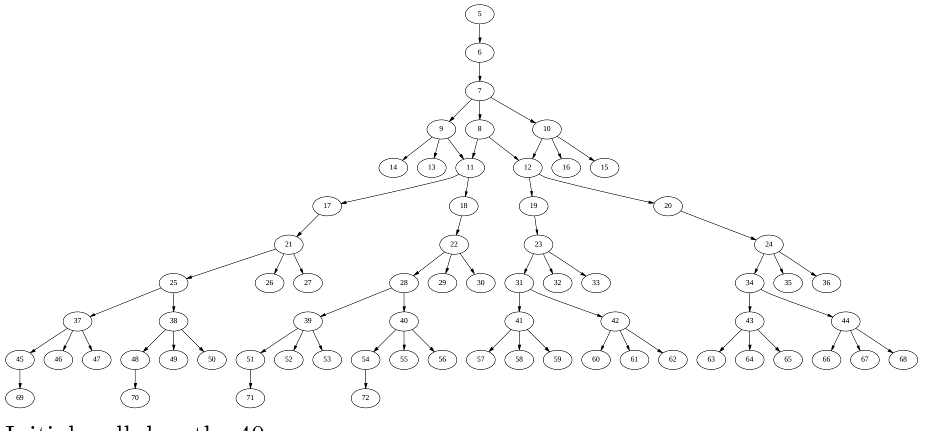
k	avg size	avg clustering
1	2.1	1
2	3.6	1
3	5.2	1
4	7	1

Visualization of some parts of the state state space:

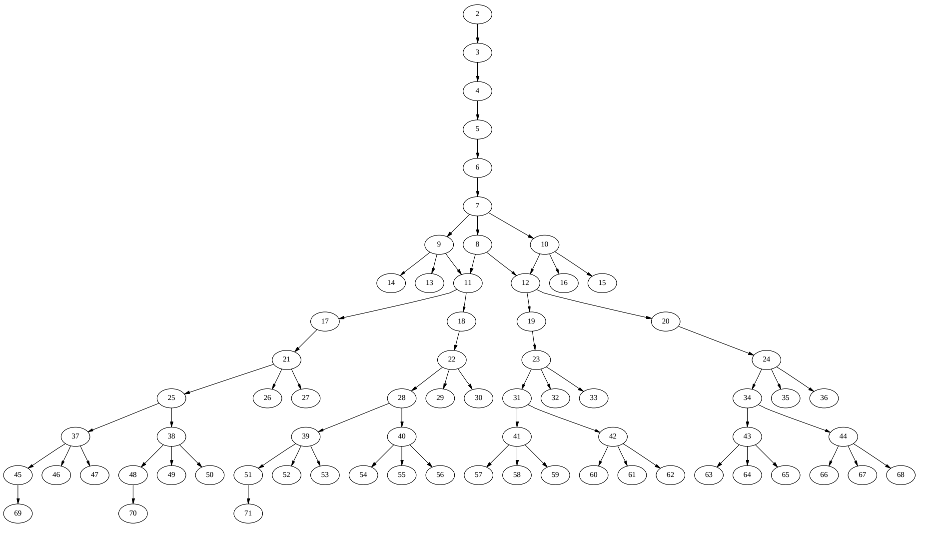
Initial walk length: 0



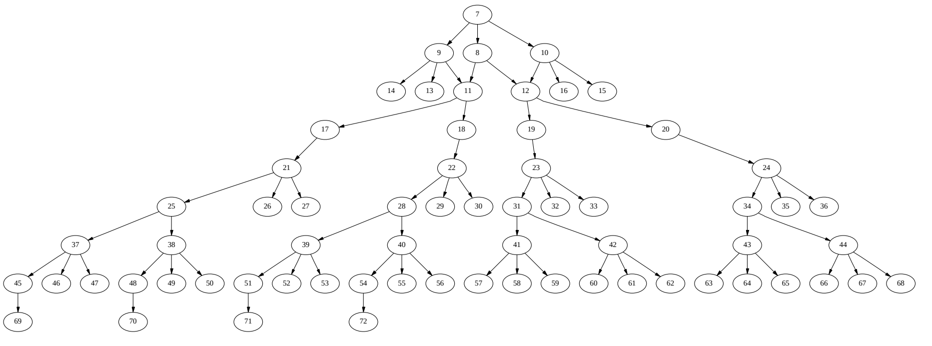
Initial walk length: 20



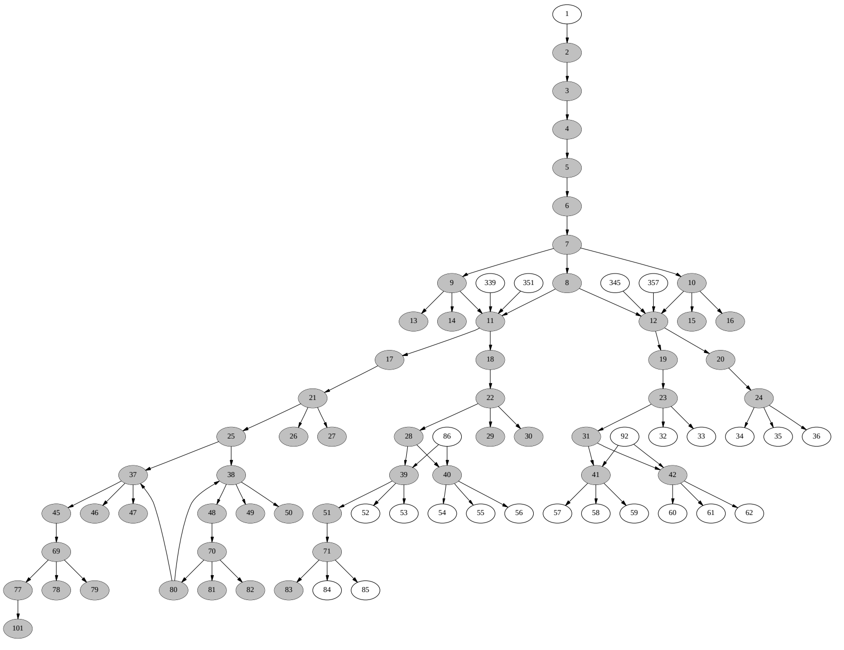
Initial walk length: 40



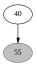
Initial walk length: 60



Initial walk length: 20



Initial walk length: 40



Initial walk length: 60