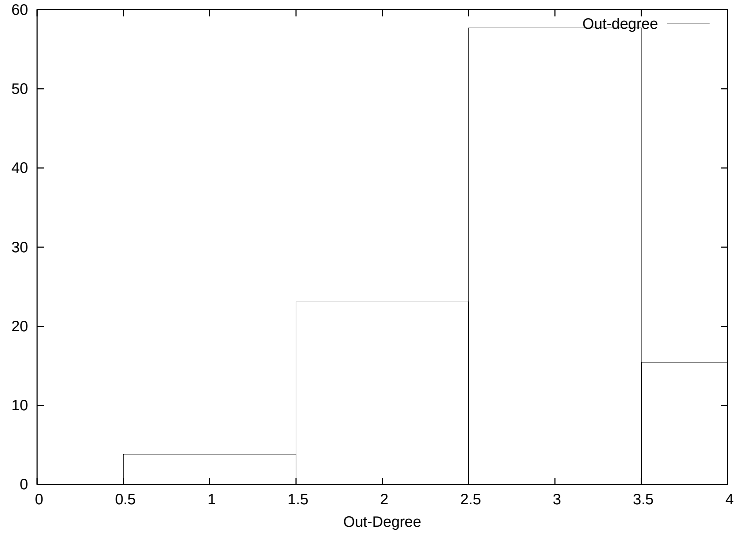
Graph: divine/farmer2

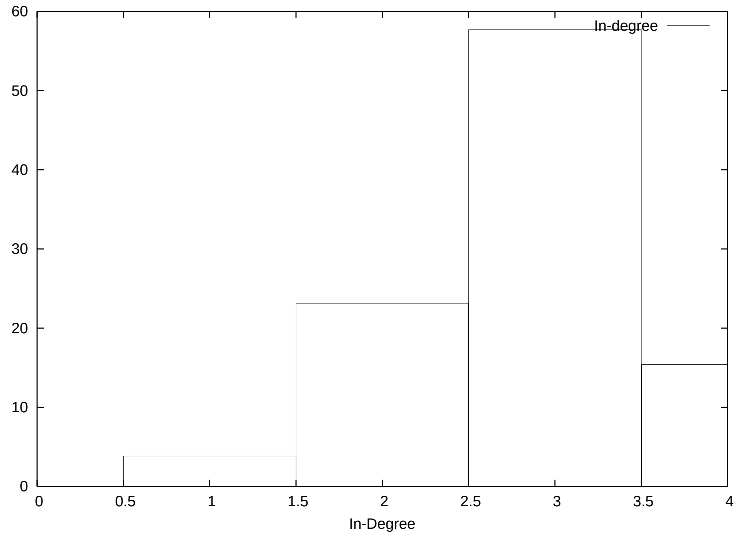
General Info

Example title	Cabbage, goat, wolf puzzle
Parameter	
Reduction	
Modification	
States	52
Edges	148
Average degree	2.8

Out-Degrees distribution:



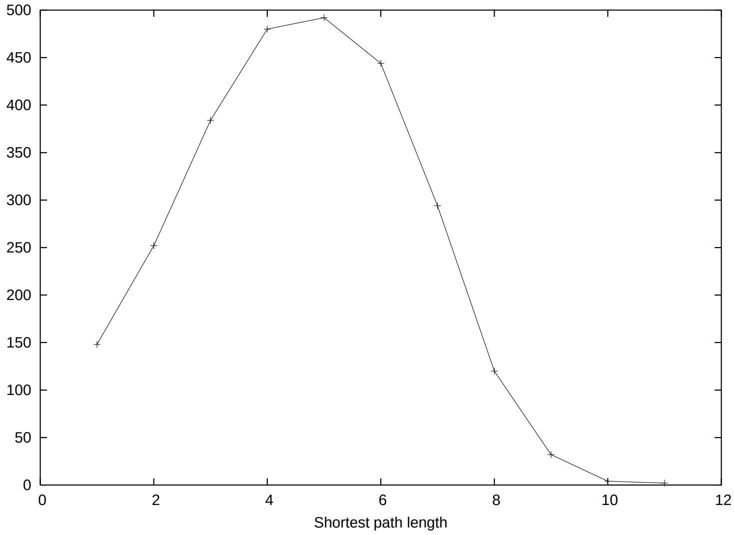
In-Degrees distribution:



Shortest Paths Info

Diameter: 11
Average shortest path length: 4.60633

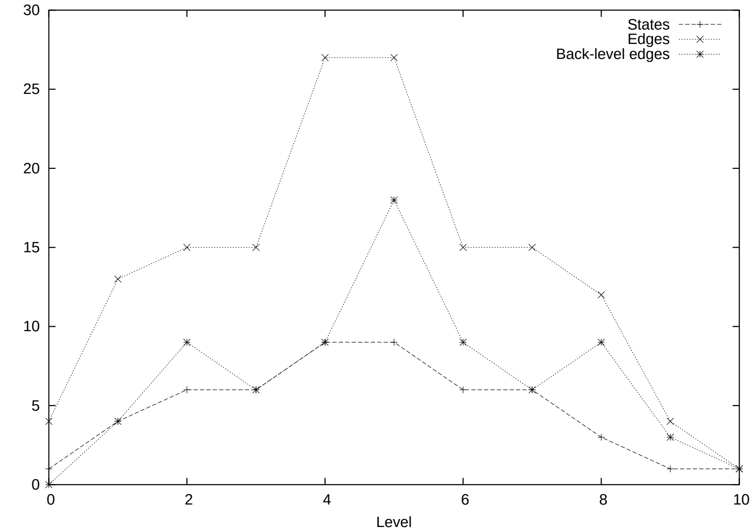
Shortest paths lengths frequencies:



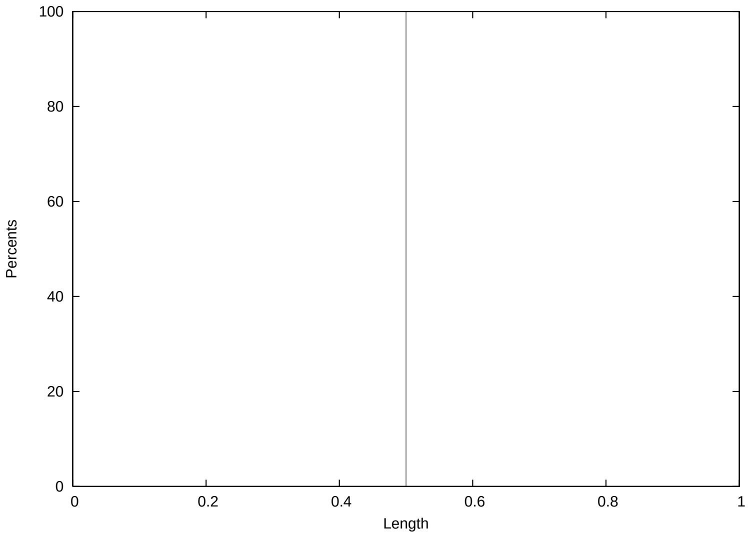
BFS Info

BFS height	10
BFS width	9 (17.3%)
Back level edges	74 (50%)

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**:

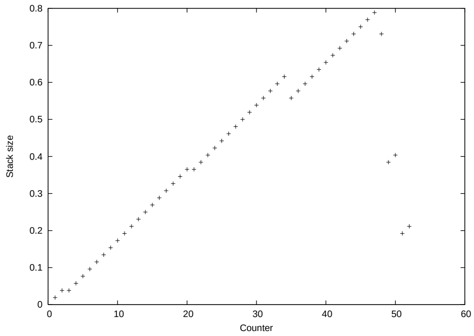
Size	Number of components	Number of states here
52	1	100%

SCC component graph (part):

DFS Info

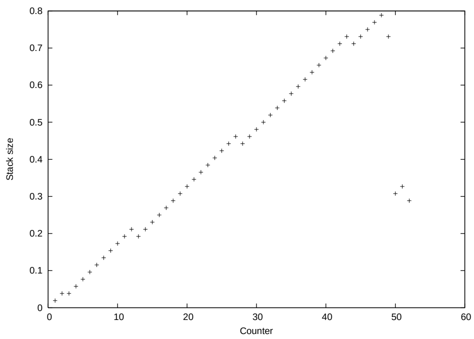
Run 0

front-edges : back-edges : cross-edges = 51 : 74 : 23 = 34.4%:50%:15.5%
Max. stack size: 41 (78.8%)
Shortest cycle detected: 2
Most often detected lengths of cycles: 2 (51), 4 (6), 32 (2), 12 (2), 14 (2)
Stack graph:



Run 1

front-edges : back-edges : cross-edges = 51 : 74 : 23 = 34.4%:50%:15.5%
Max. stack size: 41 (78.8%)
Shortest cycle detected: 2
Most often detected lengths of cycles: 2 (51), 4 (7), 12 (3), 28 (2), 26 (2)
Stack graph:



Local Structure

Short cycles(up to 6)

2	52	(100%)

Diamonds

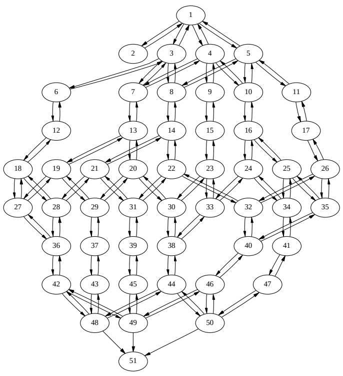
50 (96.1%)

Neighborhoods

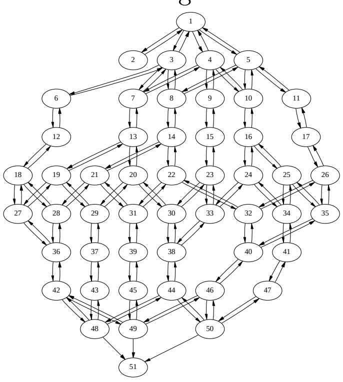
k	avg size	avg clustering
1	3.8	1
2	8.6	1.4
3	16	1.7
4	25.3	1.9

Visualization of some parts of the state state space:

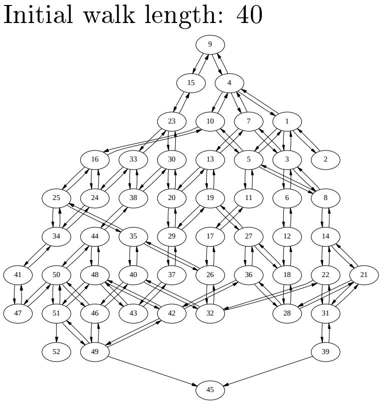
Initial walk length: 0



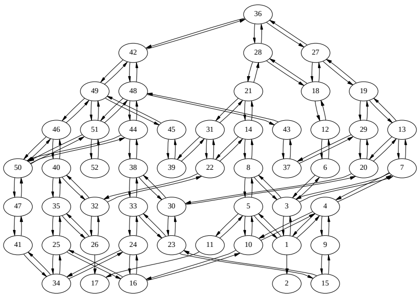
Initial walk length: 20



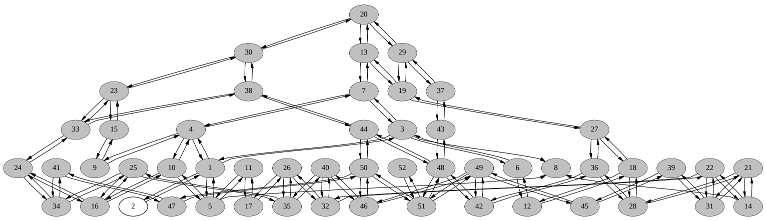
Initial walk length: 40



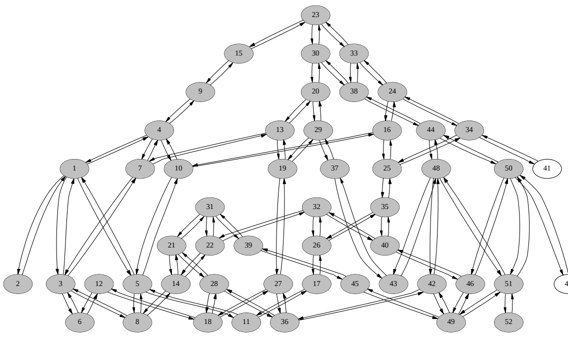
Initial walk length: 60



Initial walk length: 20



Initial walk length: 40



Initial walk length: 60