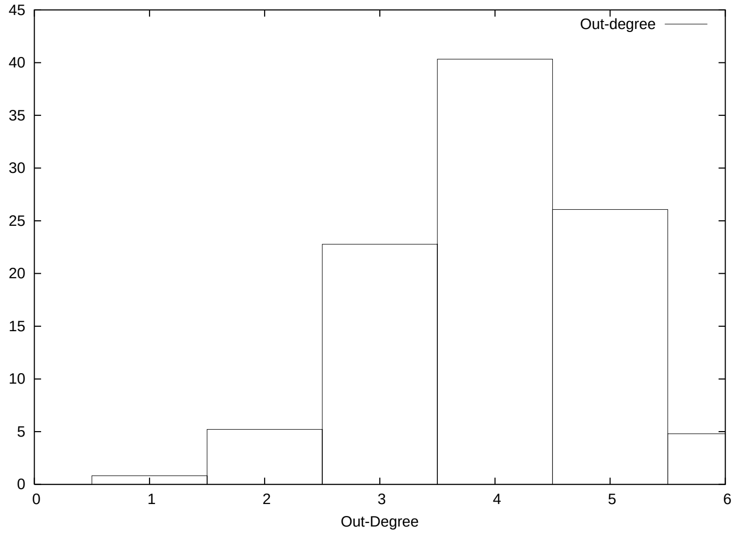
Graph: divine/phil-left-6

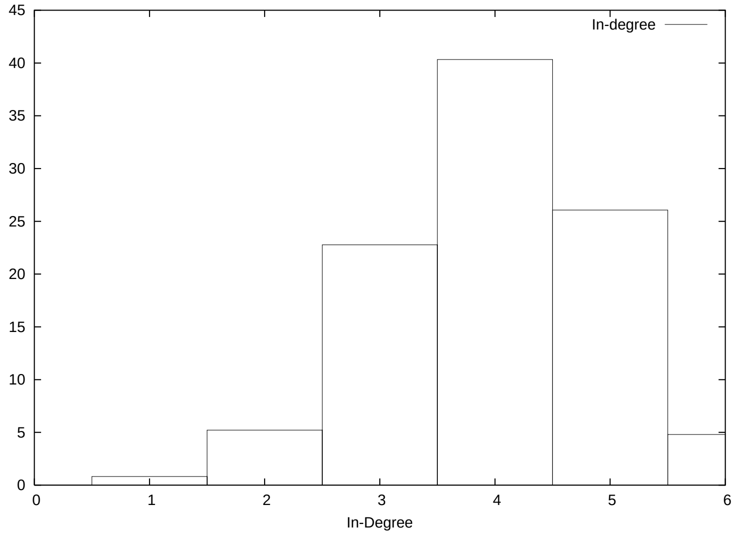
General Info

Example title	Dining philosophers
Parameter	6
Reduction	
Modification	left handed
States	729
Edges	2,916
Average degree	4

Out-Degrees distribution:



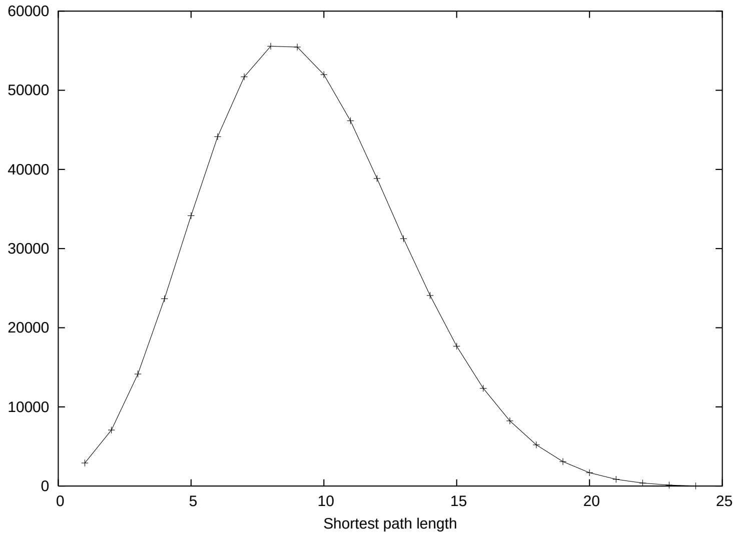
In-Degrees distribution:



Shortest Paths Info

Diameter: 24
Average shortest path length: 9.32758

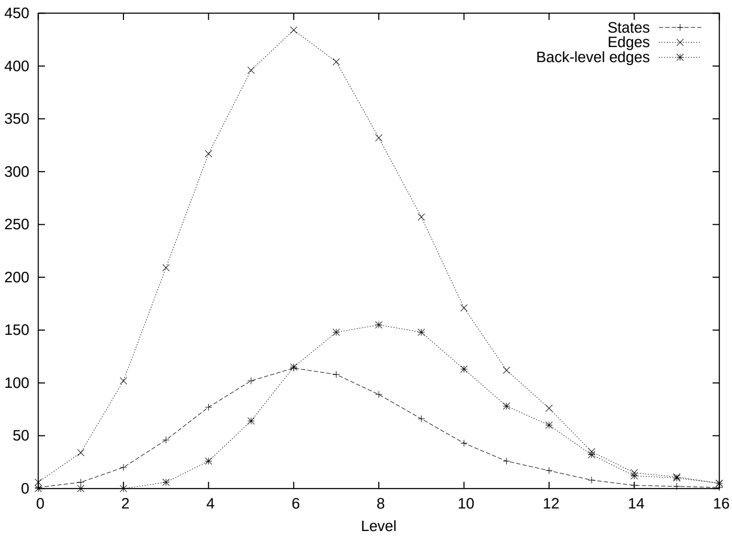
Shortest paths lengths frequencies:



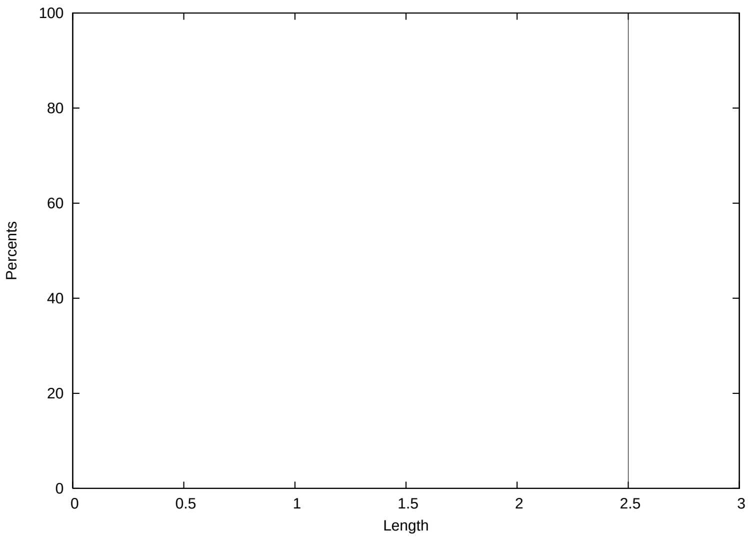
BFS Info

BFS height	16
BFS width	114 (15.6%)
Back level edges	972 (33.3%)

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**:

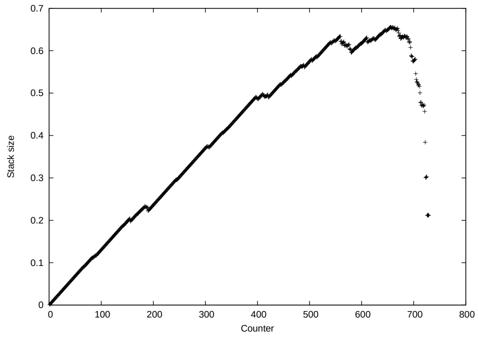
Size	Number of components	Number of states here
729	1	100%

SCC component graph (part):

DFS Info

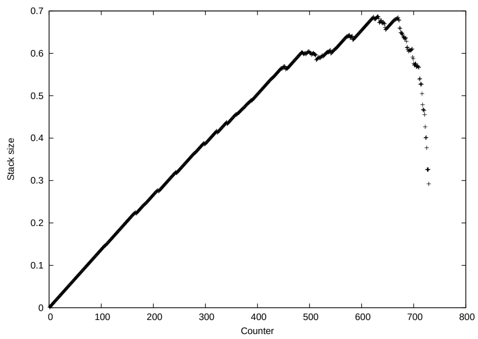
Run 0

front-edges : back-edges : cross-edges = 728 : 1,165 : 1,023 = 24.9%:39.9%:35%
Max. stack size: 478 (65.5%)
Shortest cycle detected: 4
Most often detected lengths of cycles: 4 (47), 28 (35), 100 (26), 68 (25), 32 (24)
Stack graph:



Run 1

front-edges : back-edges : cross-edges = 728 : 1,171 : 1,017 = 24.9%:40.1%:34.8%
Max. stack size: 501 (68.7%)
Shortest cycle detected: 4
Most often detected lengths of cycles: 4 (51), 32 (27), 8 (26), 288 (20), 180 (19)
Stack graph:



Local Structure

Short cycles(up to 6)

2	0	(0%)
3	0	(0%)
4	727	(99.7%)

Diamonds

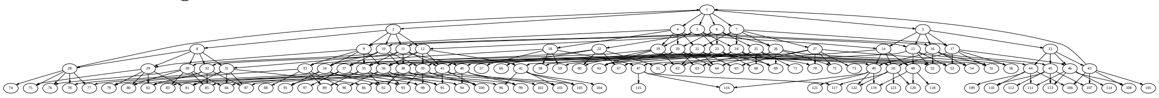
721 (98.9%)

Neighborhoods

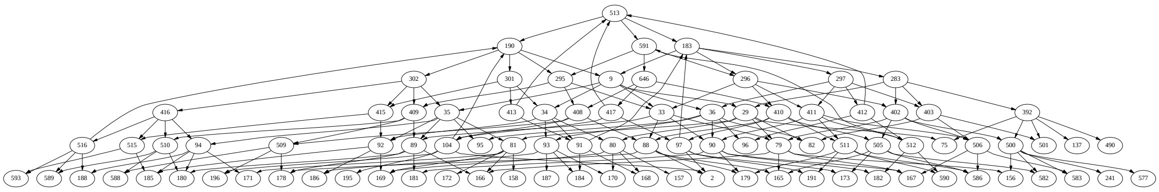
k	avg size	avg clustering
1	5	1
2	14.7	1.4
3	34.1	1.6
4	66.5	1.9

Visualization of some parts of the state state space:

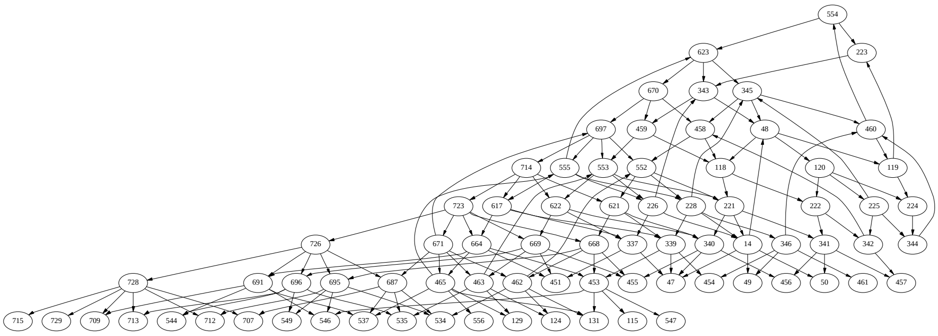
Initial walk length: 0



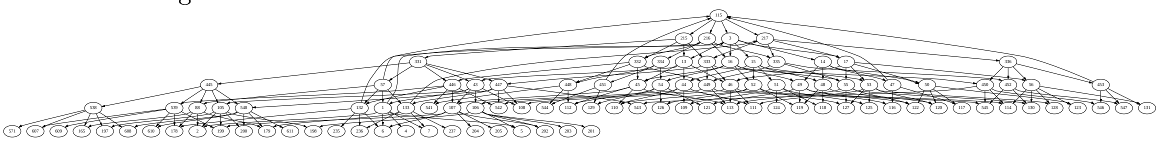
Initial walk length: 20



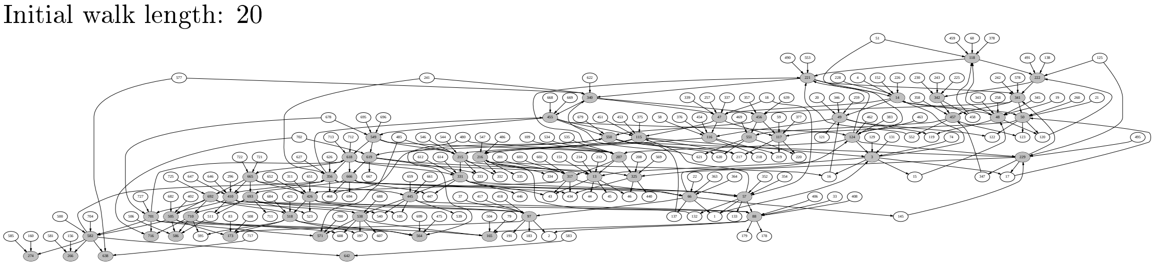
Initial walk length: 40



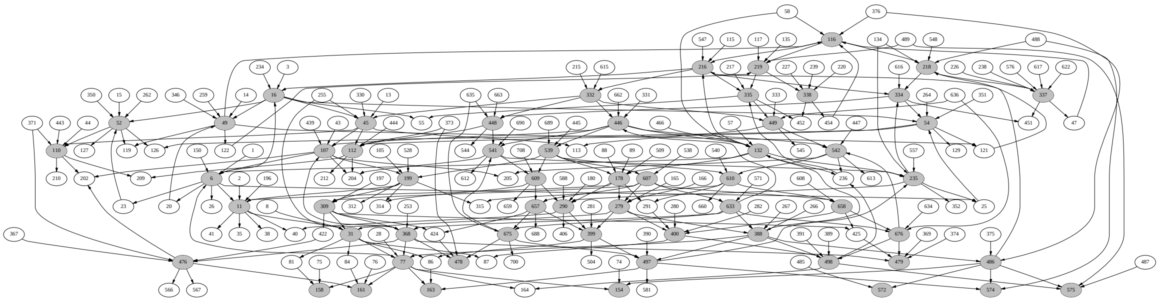
Initial walk length: 60



Initial walk length: 20



Initial walk length: 40



Initial walk length: 60