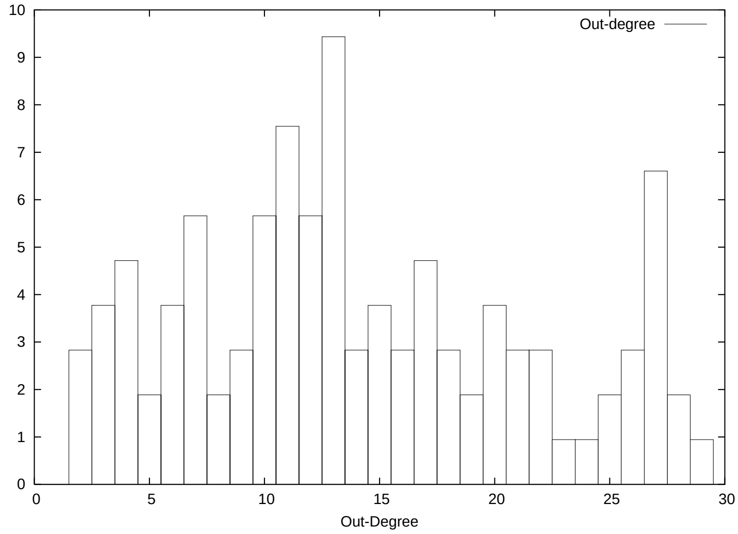
Graph: other/mile400

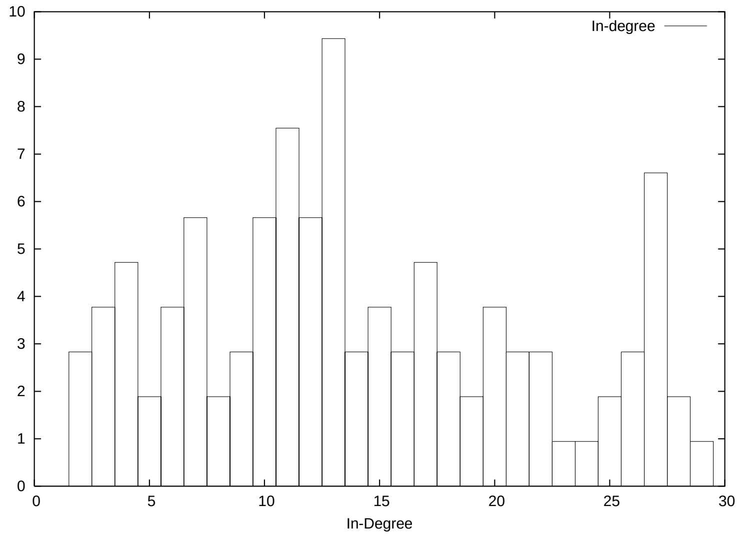
General Info

Example title	North American Cities
Parameter	400
Reduction	
Modification	
States	106
Edges	1,492
Average degree	14

Out-Degrees distribution:



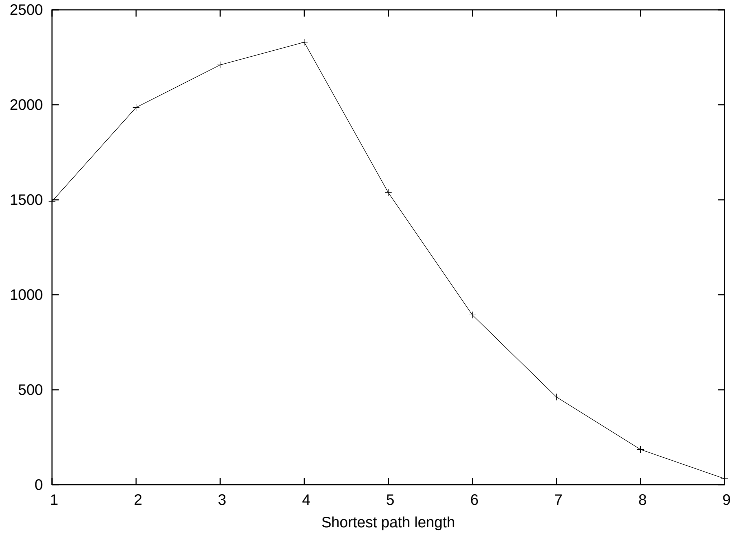
In-Degrees distribution:



Shortest Paths Info

Diameter: 9
Average shortest path length: 3.54699

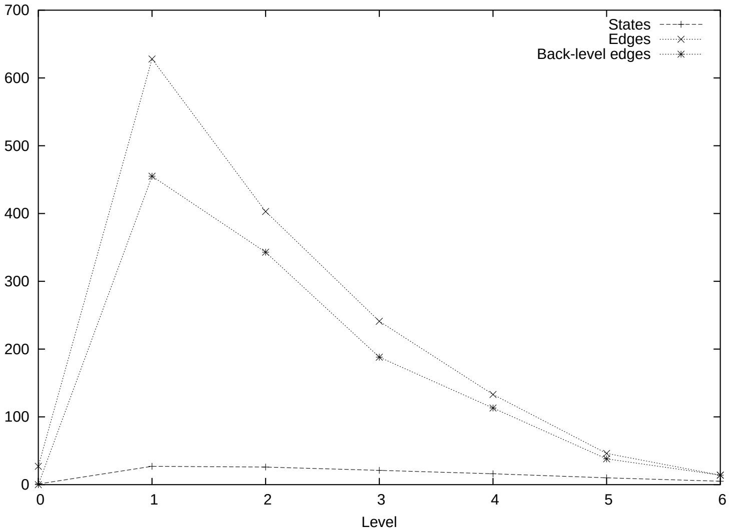
Shortest paths lengths frequencies:



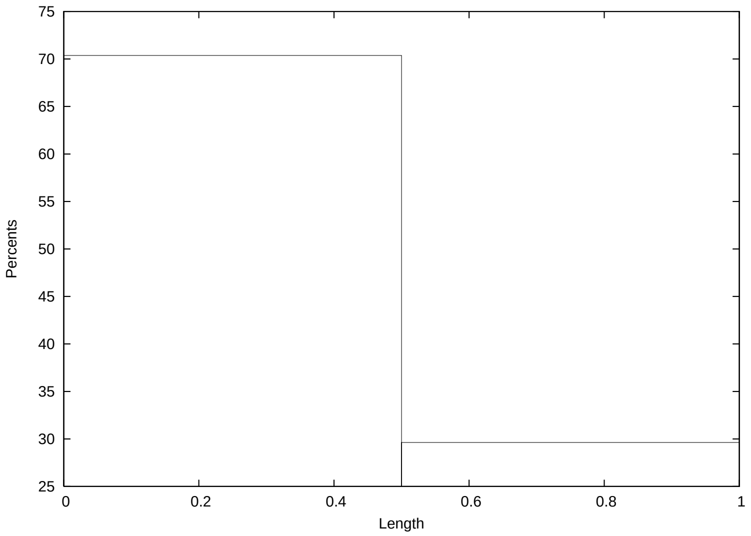
BFS Info

BFS height	6
BFS width	27 (25.4%)
Back level edges	1,151 (77.1%)

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**:

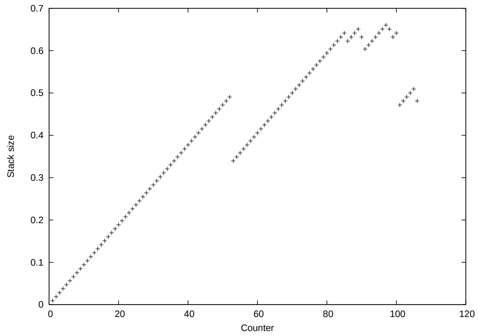
Size	Number of components	Number of states here
106	1	100%

SCC component graph (part):

DFS Info

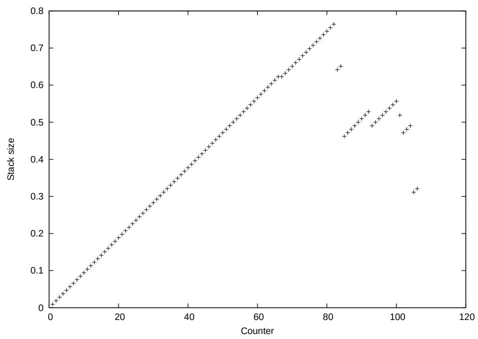
Run 0

front-edges : back-edges : cross-edges = 105 : 746 : 641 = 7%:50%:42.9%
Max. stack size: 70 (66%)
Shortest cycle detected: 2
Most often detected lengths of cycles: 2 (105), 3 (60), 4 (50), 6 (43), 7 (35)
Stack graph:



Run 1

front-edges : back-edges : cross-edges = 105 : 746 : 641 = 7%:50%:42.9%
Max. stack size: 81 (76.4%)
Shortest cycle detected: 2
Most often detected lengths of cycles: 2 (105), 3 (54), 4 (43), 5 (34), 6 (31)
Stack graph:



Local Structure

Short cycles(up to 6)

2	106	(100%)

Diamonds

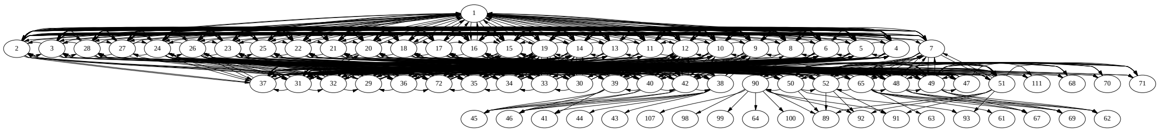
106 (100%)

Neighborhoods

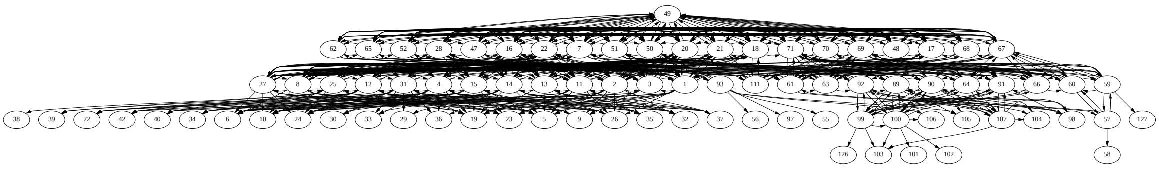
k	avg size	avg clustering
1	15	1
2	33.8	7
3	54.6	9.5
4	76.6	10.8

Visualization of some parts of the state state space:

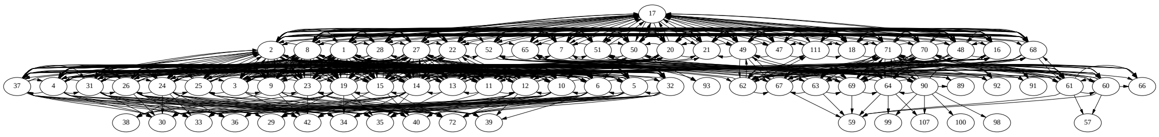
Initial walk length: 0



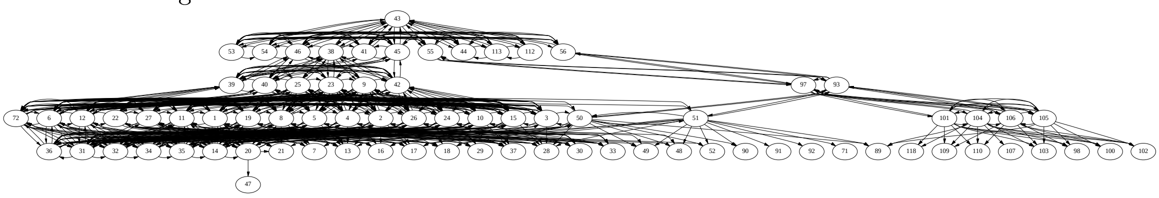
Initial walk length: 20



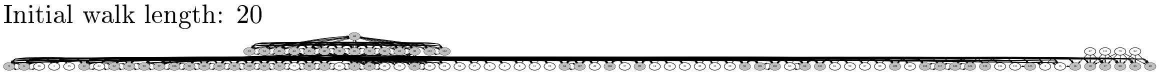
Initial walk length: 40



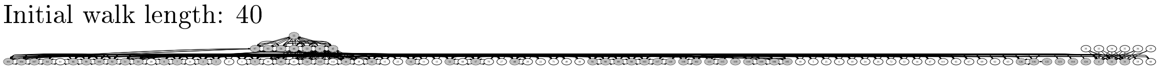
Initial walk length: 60



Initial walk length: 20



Initial walk length: 40



Initial walk length: 60