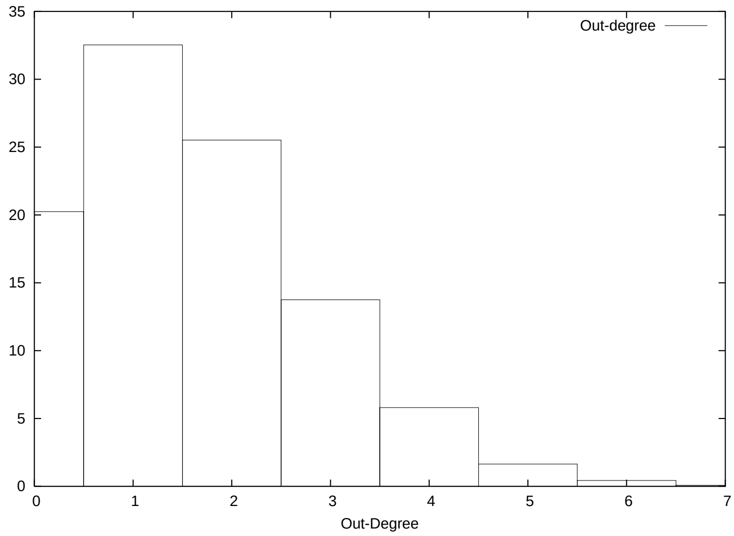
Graph: other/random_10_1.6

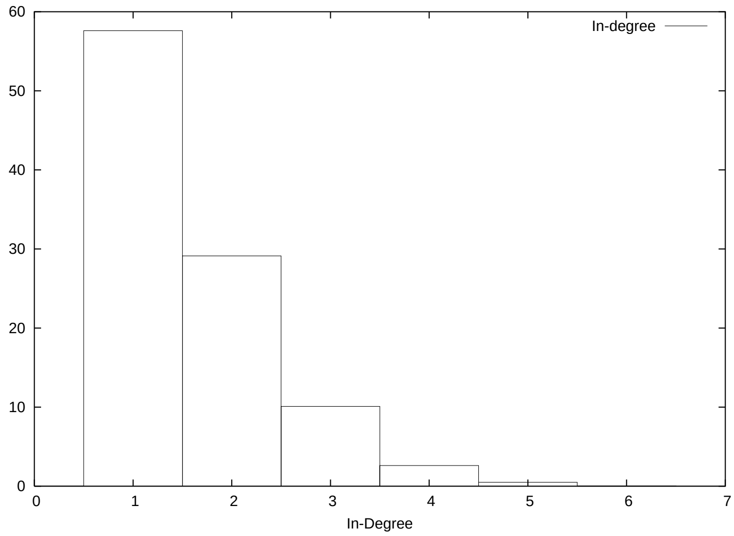
General Info

Example title	Random
Parameter	N=10000,M=16000
Reduction	
Modification	
States	6,465
Edges	10,303
Average degree	1.5

Out-Degrees distribution:



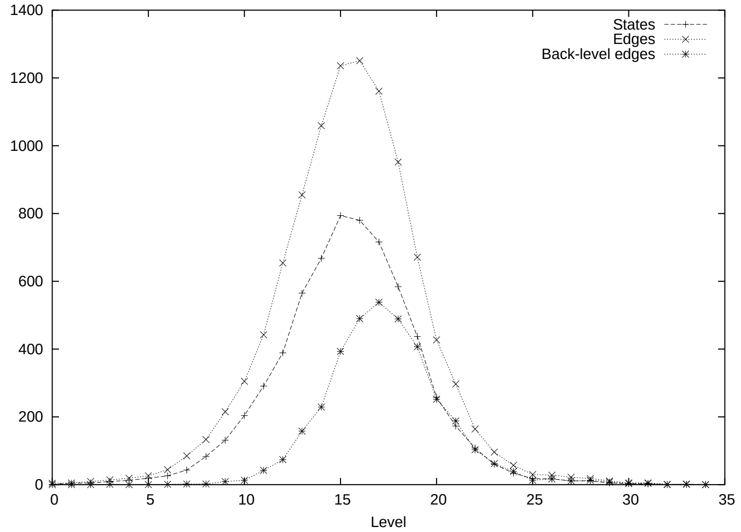
In-Degrees distribution:



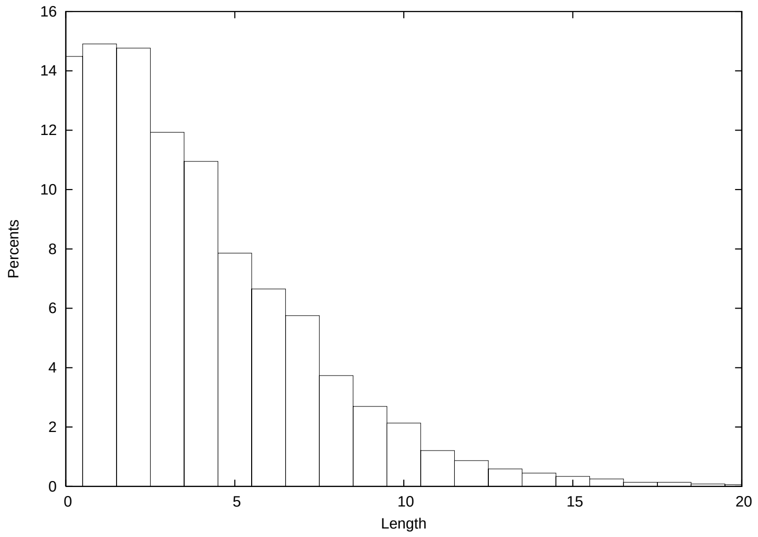
BFS Info

BFS height	34
BFS width	794 (12.2%)
Back level edges	3,562 (34.5%)

BFS level info:



Back level edges lengths:



SCC Info

SCC components	2,313
SCC quetient height	13
SCC quetient nontrivial height	3
Number of terminal components	1,310
The largest component is	intermediate

Statistics according to **sizes**:

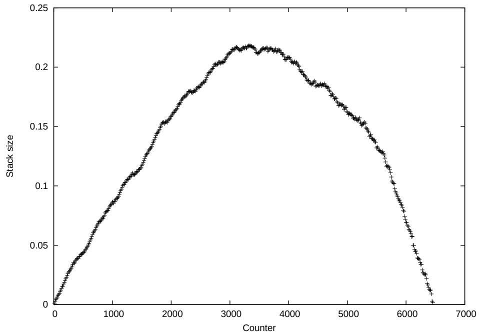
Size	Number of components	Number of states here
4,152	1	64.2%
2	1	0%
1	2,311	35.7%

SCC component graph (part):

DFS Info

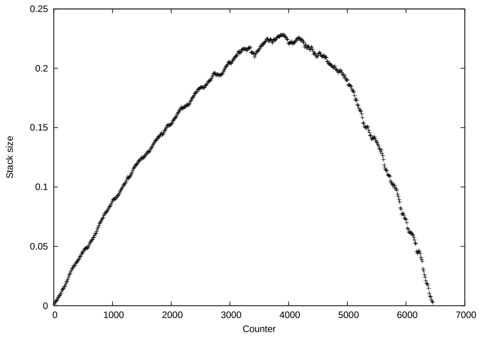
Run 0

front-edges : back-edges : cross-edges = 6,464 : 953 : 2,886 = 62.7%:9.2%:28%
Max. stack size: 1,413 (21.8%)
Shortest cycle detected: 2
Most often detected lengths of cycles: 391 (4), 137 (4), 788 (4), 681 (4), 52 (4)
Stack graph:



Run 1

front-edges : back-edges : cross-edges = 6,464 : 937 : 2,902 = 62.7%:9%:28.1%
Max. stack size: 1,478 (22.8%)
Shortest cycle detected: 2
Most often detected lengths of cycles: 300 (5), 151 (5), 171 (4), 372 (4), 255 (4)
Stack graph:



Local Structure

Short cycles(up to 6)

2	4	(0%)
3	9	(0.1%)
4	16	(0.2%)
5	15	(0.2%)
6	12	(0.1%)

Diamonds

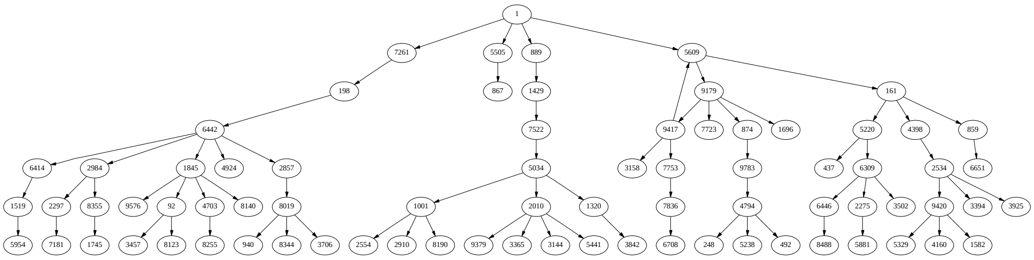
3 (0%)

Neighborhoods

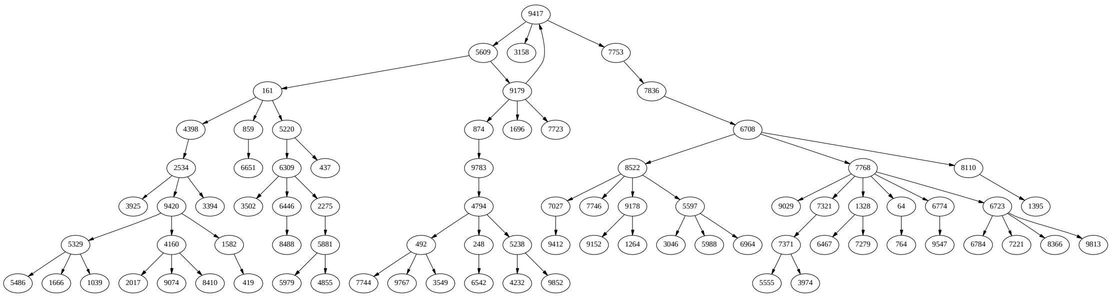
k	avg size	avg clustering
1	2.5	1
2	5.1	1
3	9.1	1
4	15.6	1

Visualization of some parts of the state state space:

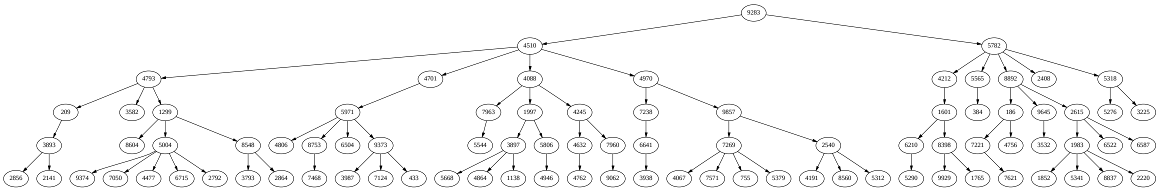
Initial walk length: 0



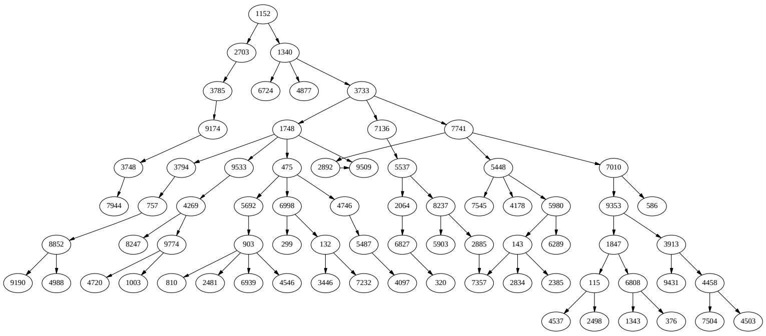
Initial walk length: 20



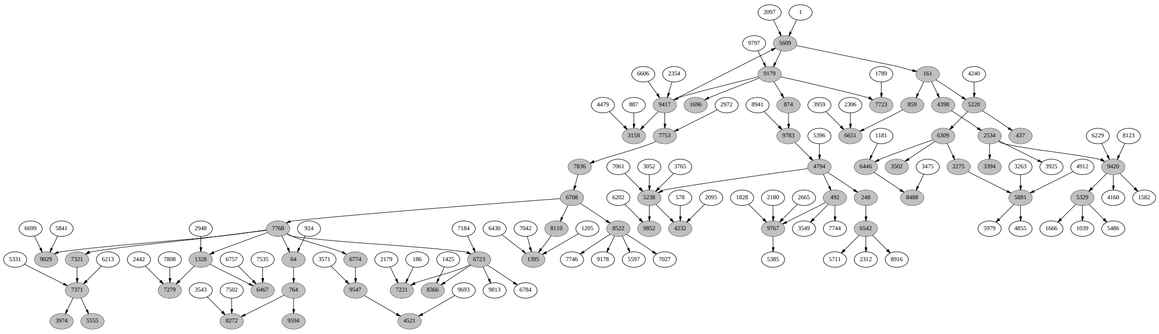
Initial walk length: 40



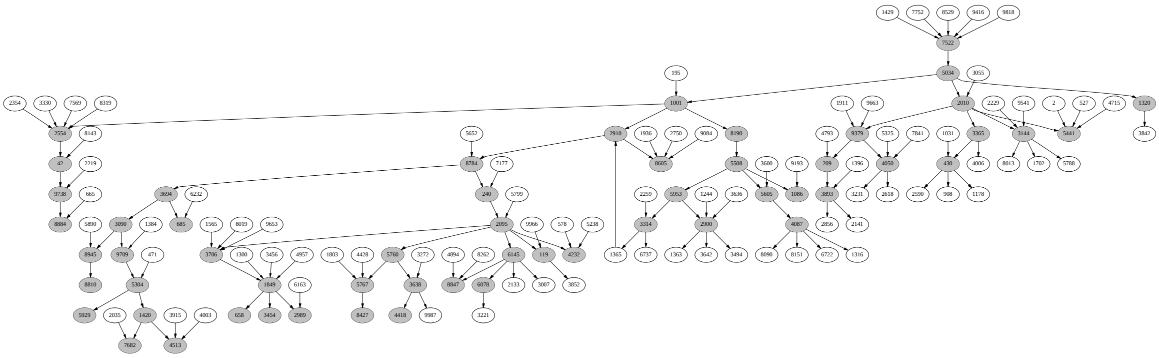
Initial walk length: 60



Initial walk length: 20



Initial walk length: 40



Initial walk length: 60