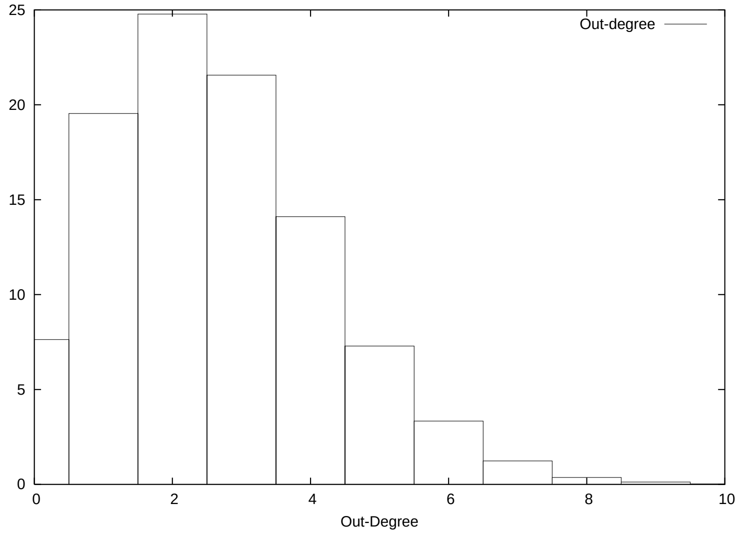
Graph: other/random_10_2.6

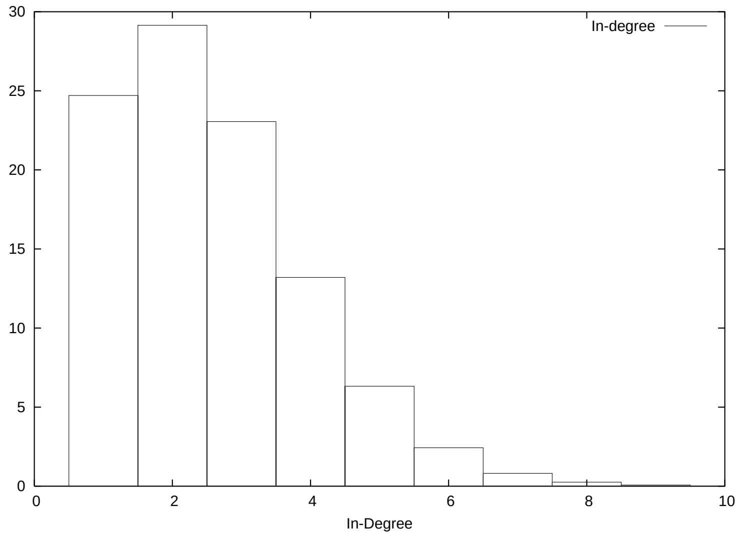
General Info

Example title	Random
Parameter	N=10000,M=26000
Reduction	
Modification	
States	9,052
Edges	23,498
Average degree	2.5

Out-Degrees distribution:



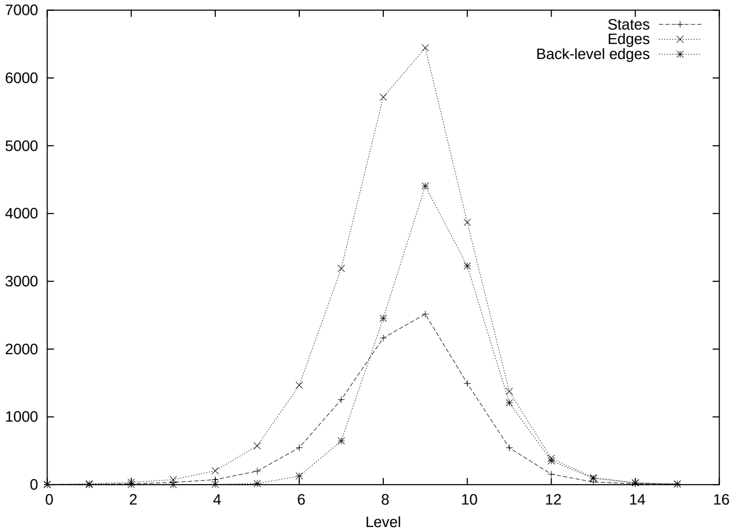
In-Degrees distribution:



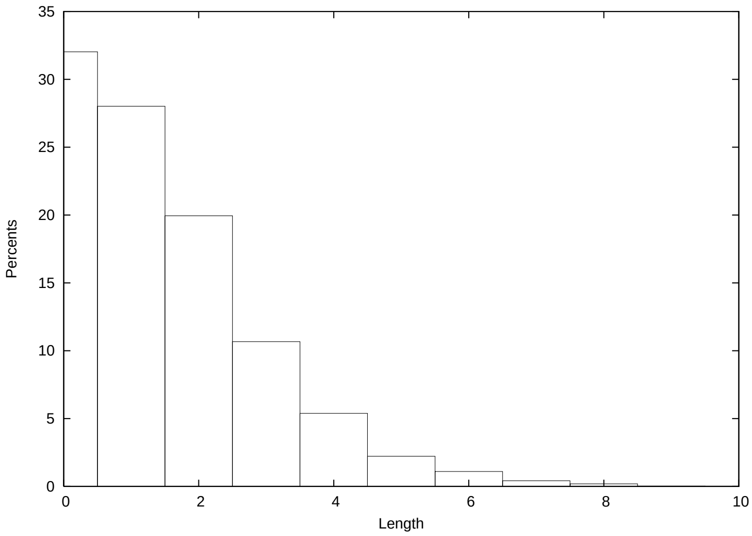
BFS Info

BFS height	15
BFS width	2,515 (27.7%)
Back level edges	12,561 (53.4%)

BFS level info:



Back level edges lengths:



SCC Info

SCC components	875
SCC quetient height	5
SCC quetient nontrivial height	1
Number of terminal components	691
The largest component is	initial

Statistics according to **sizes**:

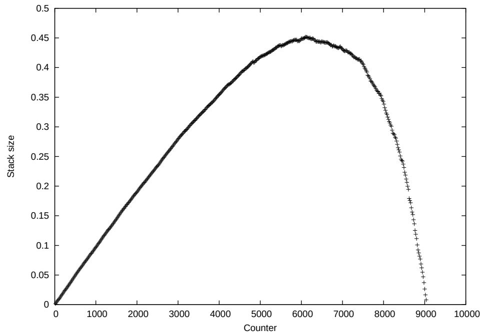
Size	Number of components	Number of states here
8,178	1	90.3%
1	874	9.6%

SCC component graph (part):

DFS Info

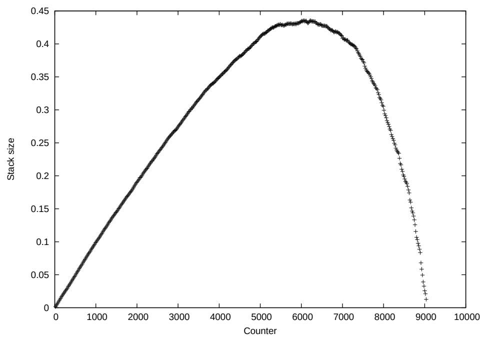
Run 0

front-edges : back-edges : cross-edges = 9,051 : 6,066 : 8,381 = 38.5%:25.8%:35.6%
Max. stack size: 4,097 (45.2%)
Shortest cycle detected: 2
Most often detected lengths of cycles: 1927 (8), 845 (8), 336 (8), 595 (8), 1375 (7)
Stack graph:



Run 1

front-edges : back-edges : cross-edges = 9,051 : 6,001 : 8,446 = 38.5%:25.5%:35.9%
Max. stack size: 3,952 (43.6%)
Shortest cycle detected: 2
Most often detected lengths of cycles: 360 (9), 638 (8), 845 (7), 1903 (7), 49 (7)
Stack graph:



Local Structure

Short cycles(up to 6)

2	16	(0.1%)
3	21	(0.2%)
4	32	(0.3%)
5	80	(0.8%)
6	253	(2.7%)

Diamonds

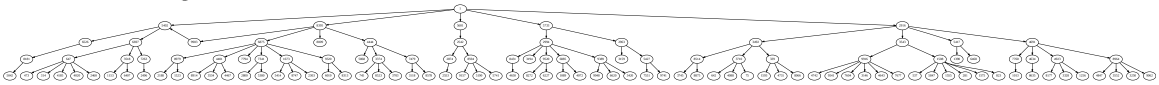
22 (0.2%)

Neighborhoods

k	avg size	avg clustering
1	3.5	1
2	10.3	1
3	28	1
4	73.7	1

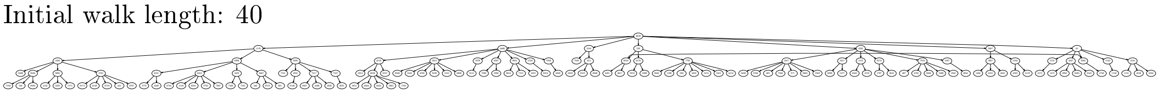
Visualization of some parts of the state state space:

Initial walk length: 0

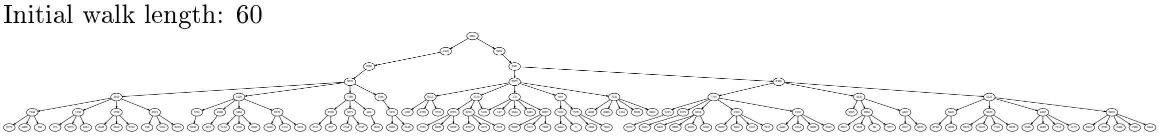


Initial walk length: 20

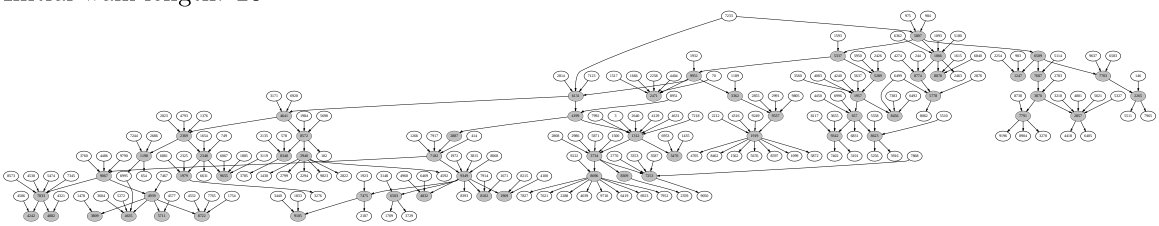
Initial walk length: 40



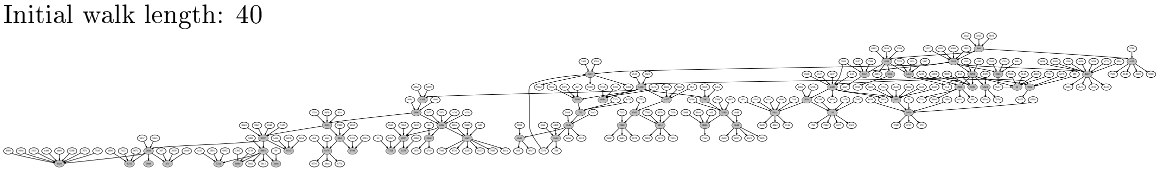
Initial walk length: 60



Initial walk length: 20



Initial walk length: 40



Initial walk length: 60