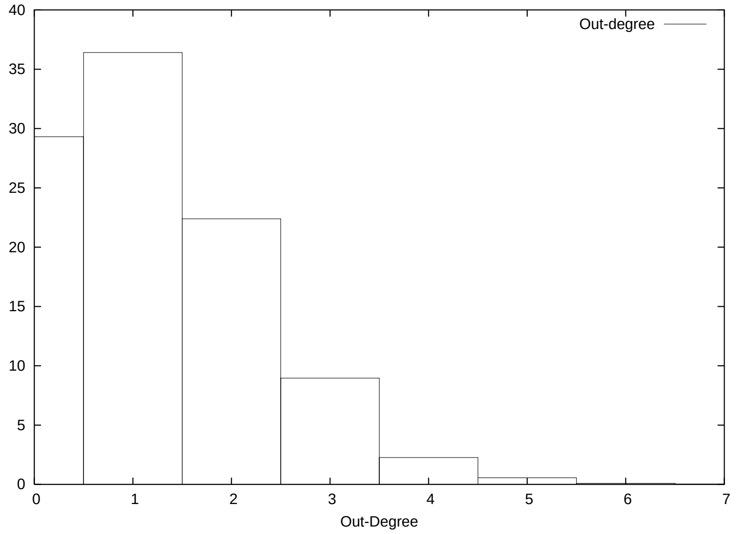
Graph: other/random_10_1.2

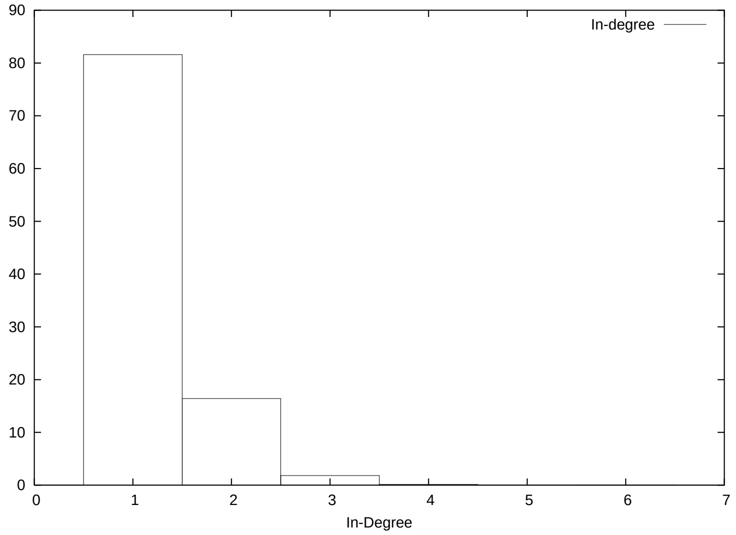
General Info

Example title	Random
Parameter	N=10000,M=12000
Reduction	
Modification	
States	3,395
Edges	4,096
Average degree	1.2

Out-Degrees distribution:



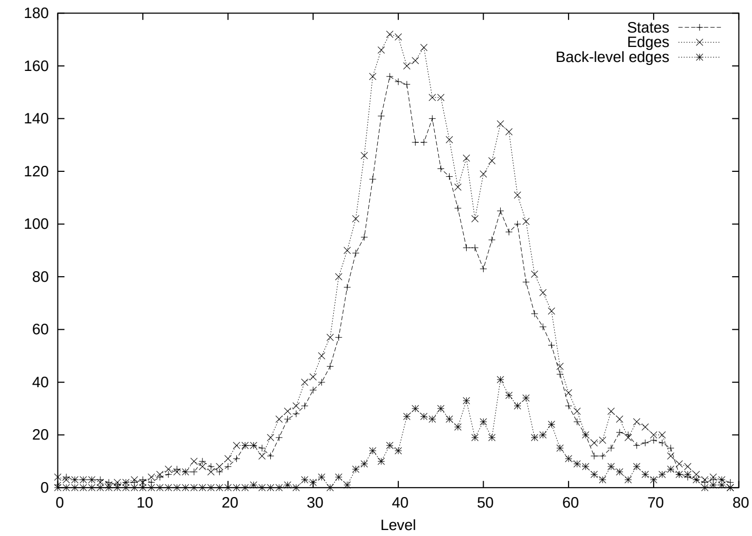
In-Degrees distribution:



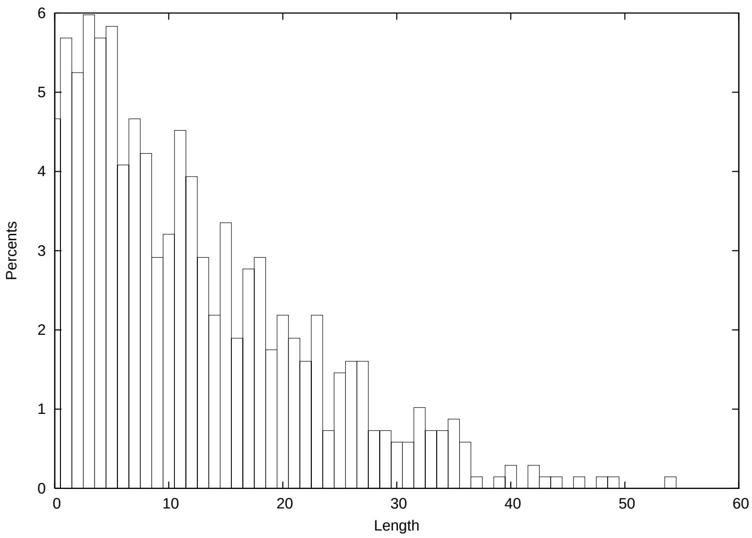
BFS Info

BFS height	79
BFS width	156 (4.5%)
Back level edges	686 (16.7%)

BFS level info:



Back level edges lengths:



SCC Info

SCC components	2,362
SCC quetient height	33
SCC quetient nontrivial height	3
Number of terminal components	995
The largest component is	initial

Statistics according to **sizes**:

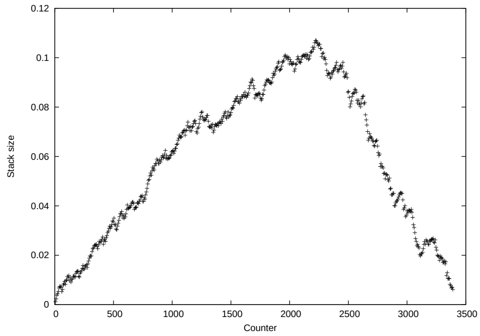
Size	Number of components	Number of states here
1,022	1	30.1%
6	1	0.1%
5	1	0.1%
4	1	0.1%
1	2,358	69.4%

SCC component graph (part):

DFS Info

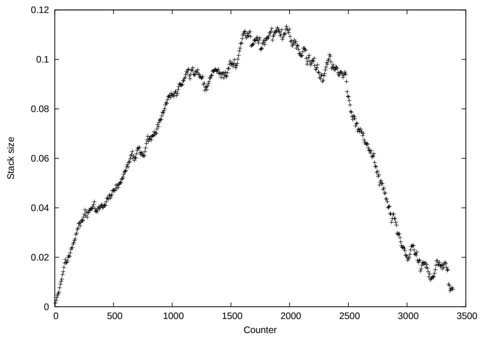
Run 0

front-edges : back-edges : cross-edges = 3,394 : 78 : 624 = 82.8%:1.9%:15.2%
Max. stack size: 364 (10.7%)
Shortest cycle detected: 4
Most often detected lengths of cycles: 118 (2), 52 (2), 101 (2), 30 (2), 82 (2)
Stack graph:



Run 1

front-edges : back-edges : cross-edges = 3,394 : 82 : 620 = 82.8%:2%:15.1%
Max. stack size: 390 (11.4%)
Shortest cycle detected: 4
Most often detected lengths of cycles: 63 (2), 55 (2), 142 (2), 208 (2), 41 (2)
Stack graph:



Local Structure

Short cycles(up to 6)

2	0	(0%)
3	0	(0%)
4	4	(0.1%)
5	5	(0.1%)
6	6	(0.1%)

Diamonds

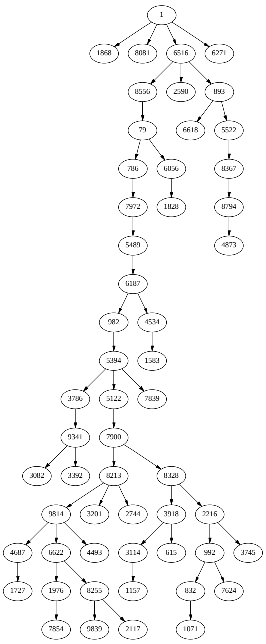
0 (0%)

Neighborhoods

k	avg size	avg clustering
1	2.2	1
2	3.6	1
3	5.4	1
4	7.5	1

Visualization of some parts of the state state space:

Initial walk length: 0

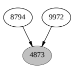


Initial walk length: 20

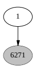
Initial walk length: 40

Initial walk length: 60

Initial walk length: 20



Initial walk length: 40



Initial walk length: 60