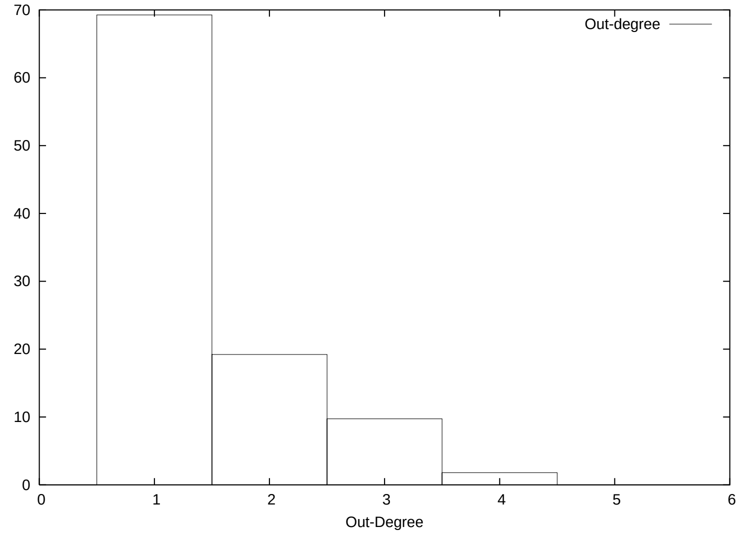
Graph: cadp/inv2d-p0-r2-a1

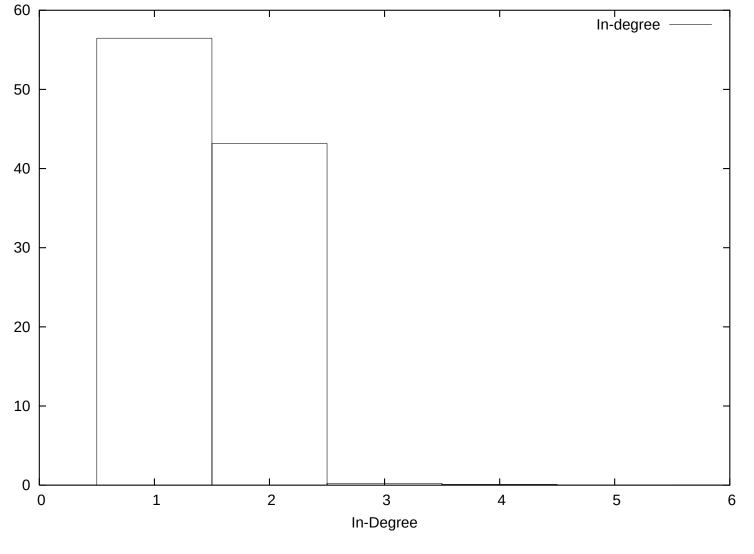
General Info

Example title	Invoicing case study
Parameter	0,2,1
Reduction	
Modification	
States	16,110
Edges	23,208
Average degree	1.4

Out-Degrees distribution:



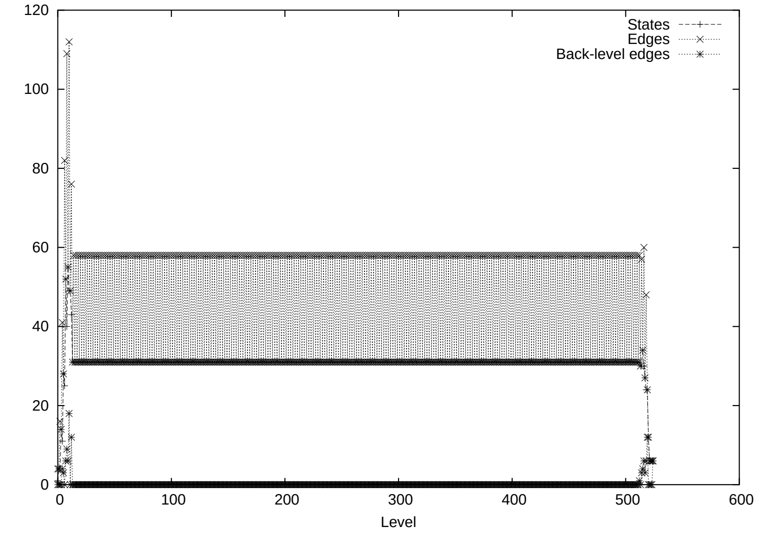
In-Degrees distribution:



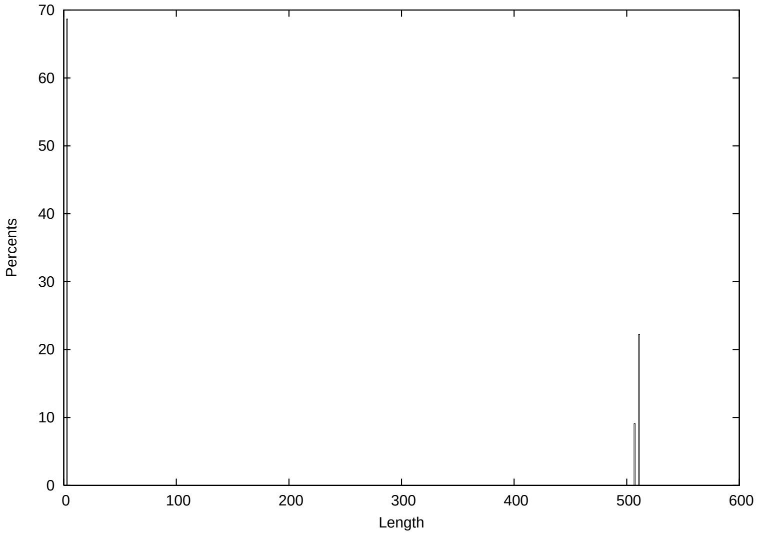
BFS Info

BFS height	524
BFS width	55 (0.3%)
Back level edges	99 (0.4%)

BFS level info:



Back level edges lengths:



SCC Info

SCC components	7,785
SCC quetient height	12
SCC quetient nontrivial height	9
Number of terminal components	6
The largest component is	intermediate

Statistics according to **sizes**:

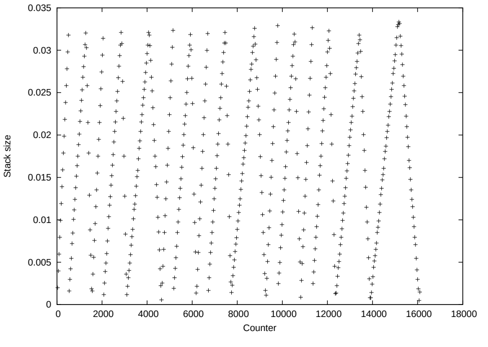
Size	Number of components	Number of states here
552	1	3.4%
523	3	9.7%
515	6	19.1%
512	6	19%
41	1	0.2%
4	6	0.1%
1	7,762	48.1%

SCC component graph (part):

DFS Info

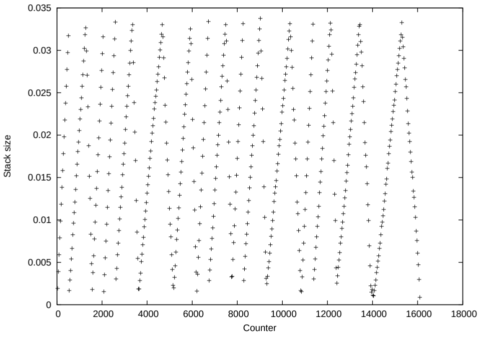
Run 0

front-edges : back-edges : cross-edges = 16,109 : 70 : 7,029 = 69.4%:0.3%:30.2%
Max. stack size: 549 (3.4%)
Shortest cycle detected: 4
Most often detected lengths of cycles: 4 (36), 512 (16), 8 (9), 16 (4), 12 (4)
Stack graph:



Run 1

front-edges : back-edges : cross-edges = 16,109 : 71 : 7,028 = 69.4%:0.3%:30.2%
Max. stack size: 549 (3.4%)
Shortest cycle detected: 4
Most often detected lengths of cycles: 4 (34), 512 (16), 8 (11), 16 (3), 20 (3)
Stack graph:



Local Structure

Short cycles(up to 6)

2	0	(0%)
3	0	(0%)
4	166	(1%)

Diamonds

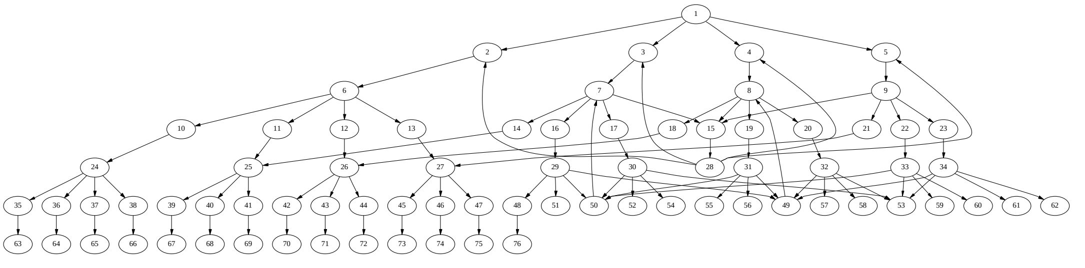
0 (0%)

Neighborhoods

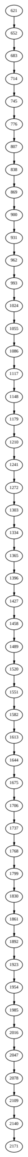
k	avg size	avg clustering
1	2.4	1
2	4.3	1
3	6.9	1
4	10.3	1

Visualization of some parts of the state state space:

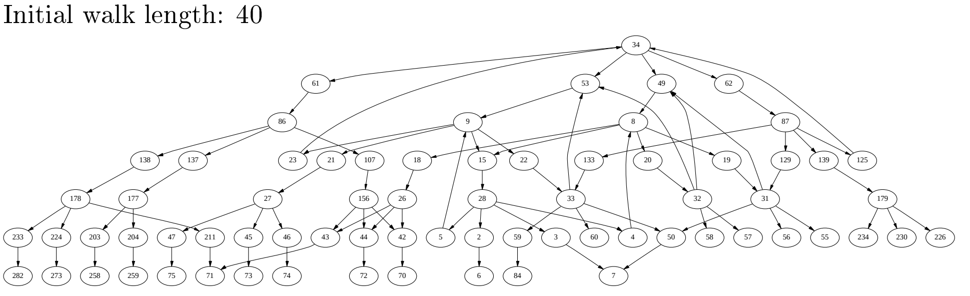
Initial walk length: 0



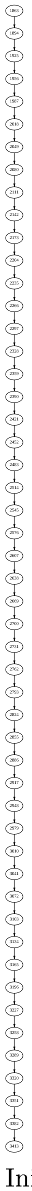
Initial walk length: 20



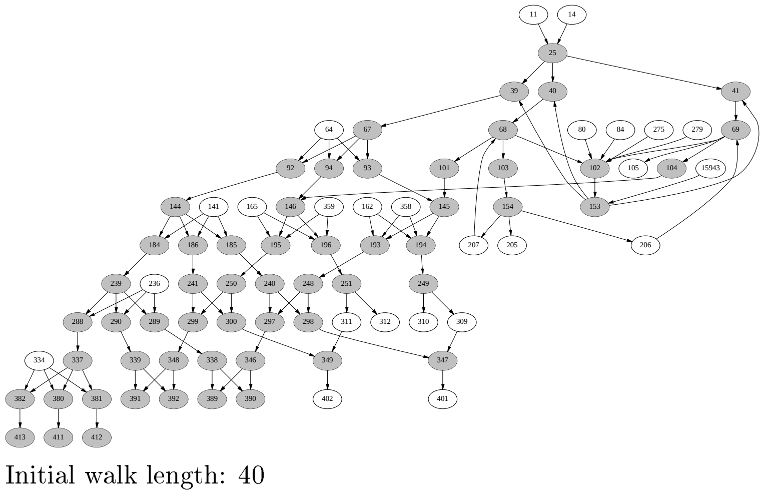
Initial walk length: 40



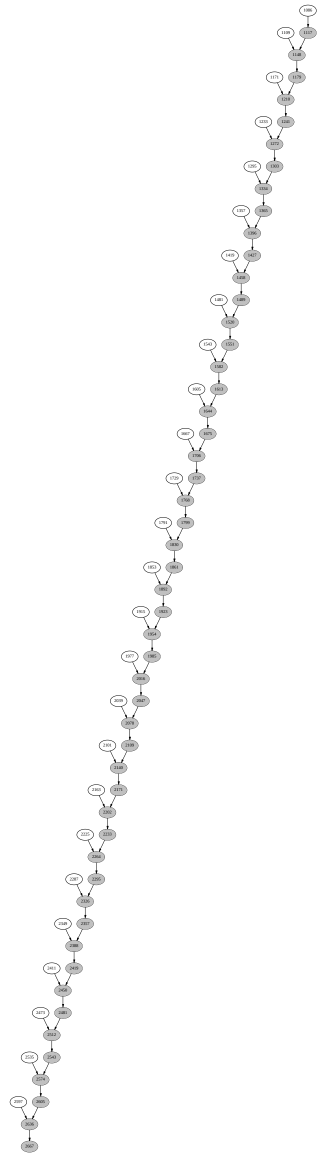
Initial walk length: 60



Initial walk length: 20



Initial walk length: 40



Initial walk length: 60