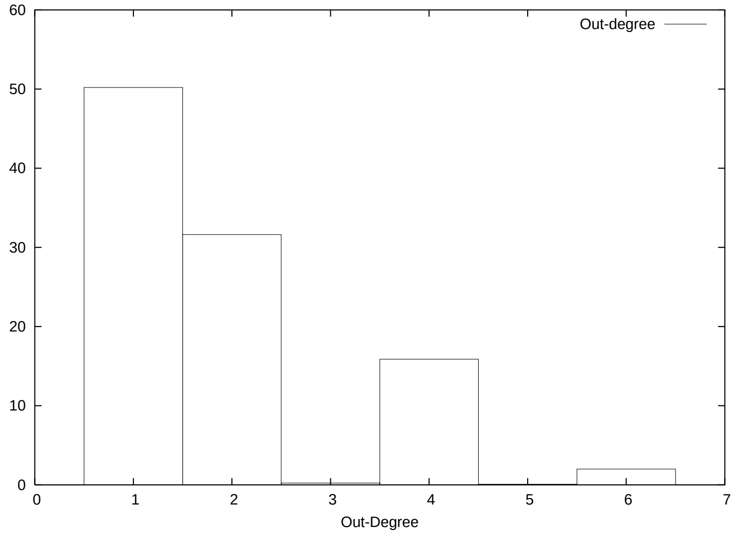
Graph: cadp/inv2d-p0-r1-a2

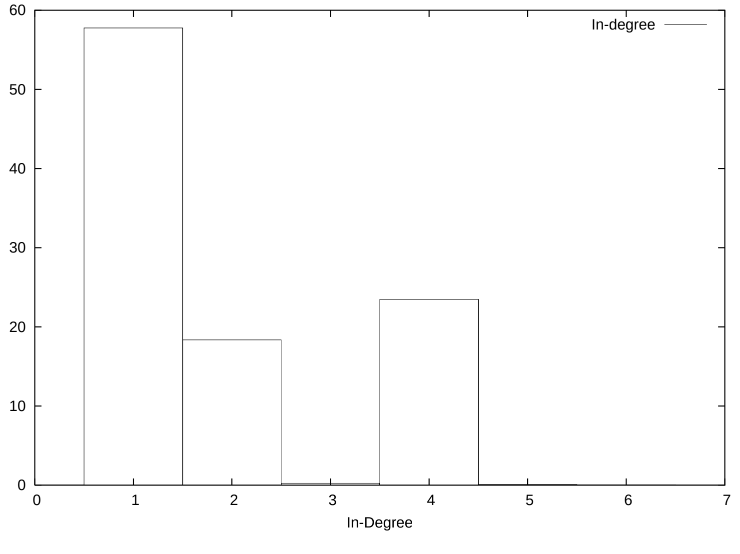
General Info

Example title	Invoicing case study
Parameter	0,1,2
Reduction	
Modification	
States	12,973
Edges	24,645
Average degree	1.8

Out-Degrees distribution:



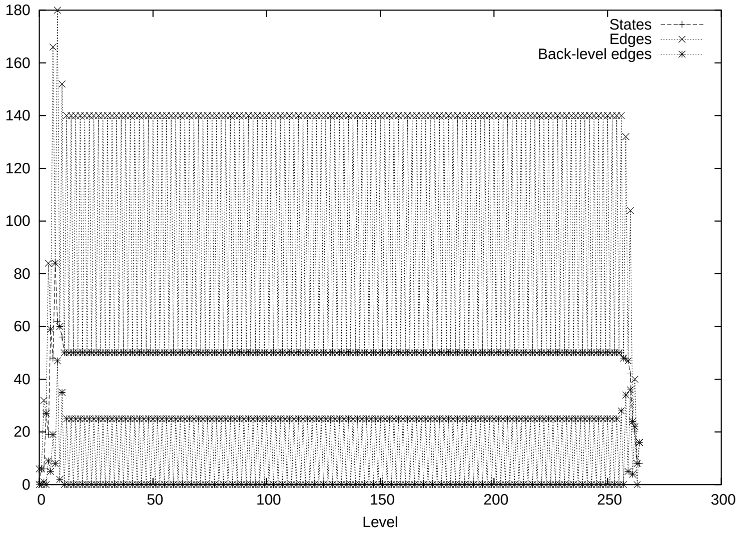
In-Degrees distribution:



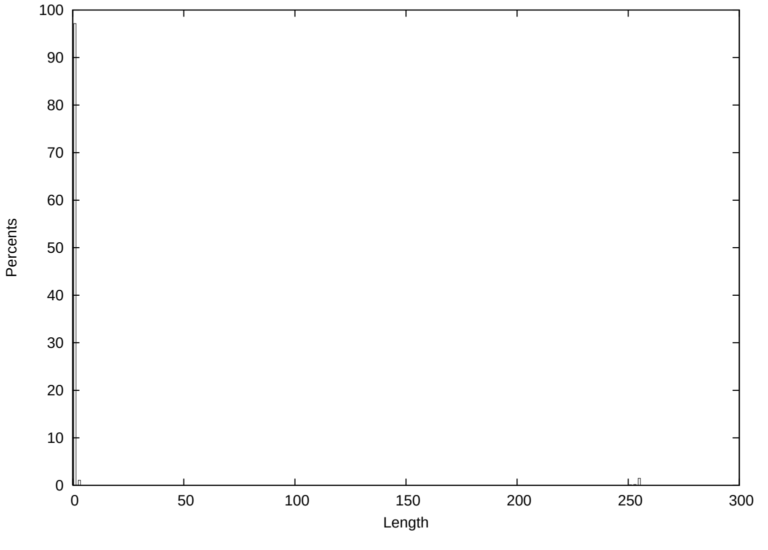
BFS Info

BFS height	264
BFS width	84 (0.6%)
Back level edges	3,321 (13.4%)

BFS level info:



Back level edges lengths:



SCC Info

SCC components	6,221
SCC quetient height	10
SCC quetient nontrivial height	6
Number of terminal components	8
The largest component is	intermediate

Statistics according to **sizes**:

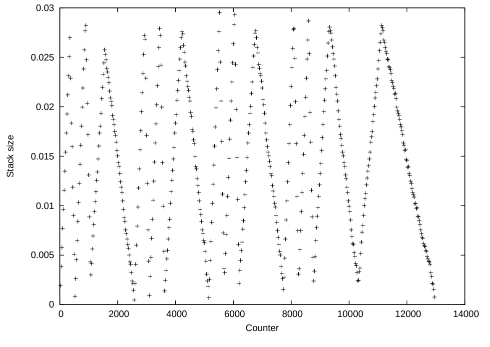
Size	Number of components	Number of states here
556	1	4.2%
521	4	16%
512	8	31.5%
30	1	0.2%
1	6,207	47.8%

SCC component graph (part):

DFS Info

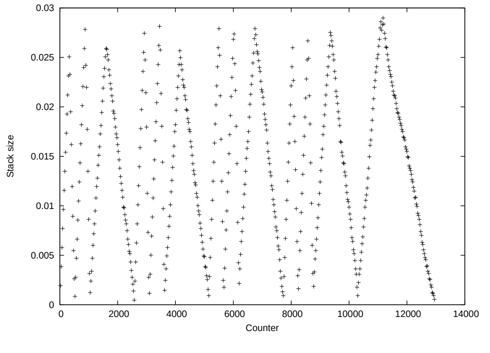
Run 0

front-edges : back-edges : cross-edges = 12,972 : 91 : 11,582 = 52.6%:0.3%:46.9%
Max. stack size: 389 (2.9%)
Shortest cycle detected: 4
Most often detected lengths of cycles: 4 (25), 342 (14), 350 (8), 8 (6), 352 (5)
Stack graph:



Run 1

front-edges : back-edges : cross-edges = 12,972 : 81 : 11,592 = 52.6%:0.3%:47%
Max. stack size: 379 (2.9%)
Shortest cycle detected: 4
Most often detected lengths of cycles: 4 (27), 352 (7), 354 (5), 8 (5), 328 (4)
Stack graph:



Local Structure

Short cycles(up to 6)

2	0	(0%)
3	0	(0%)
4	112	(0.8%)

Diamonds

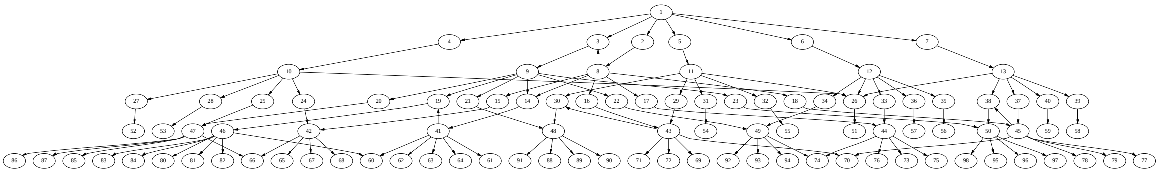
0 (0%)

Neighborhoods

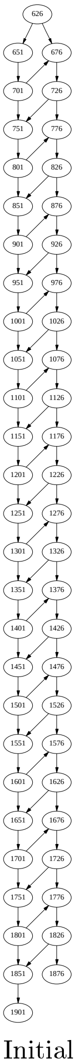
k	avg size	avg clustering
1	2.8	1
2	5.7	1
3	9.8	1.1
4	15.4	1.2

Visualization of some parts of the state state space:

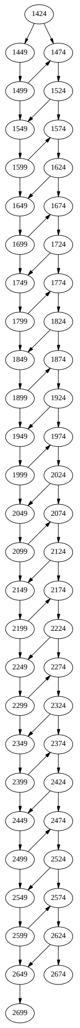
Initial walk length: 0



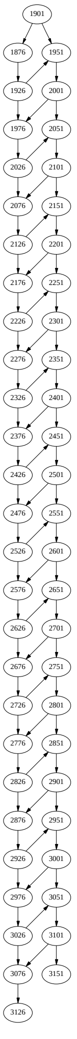
Initial walk length: 20



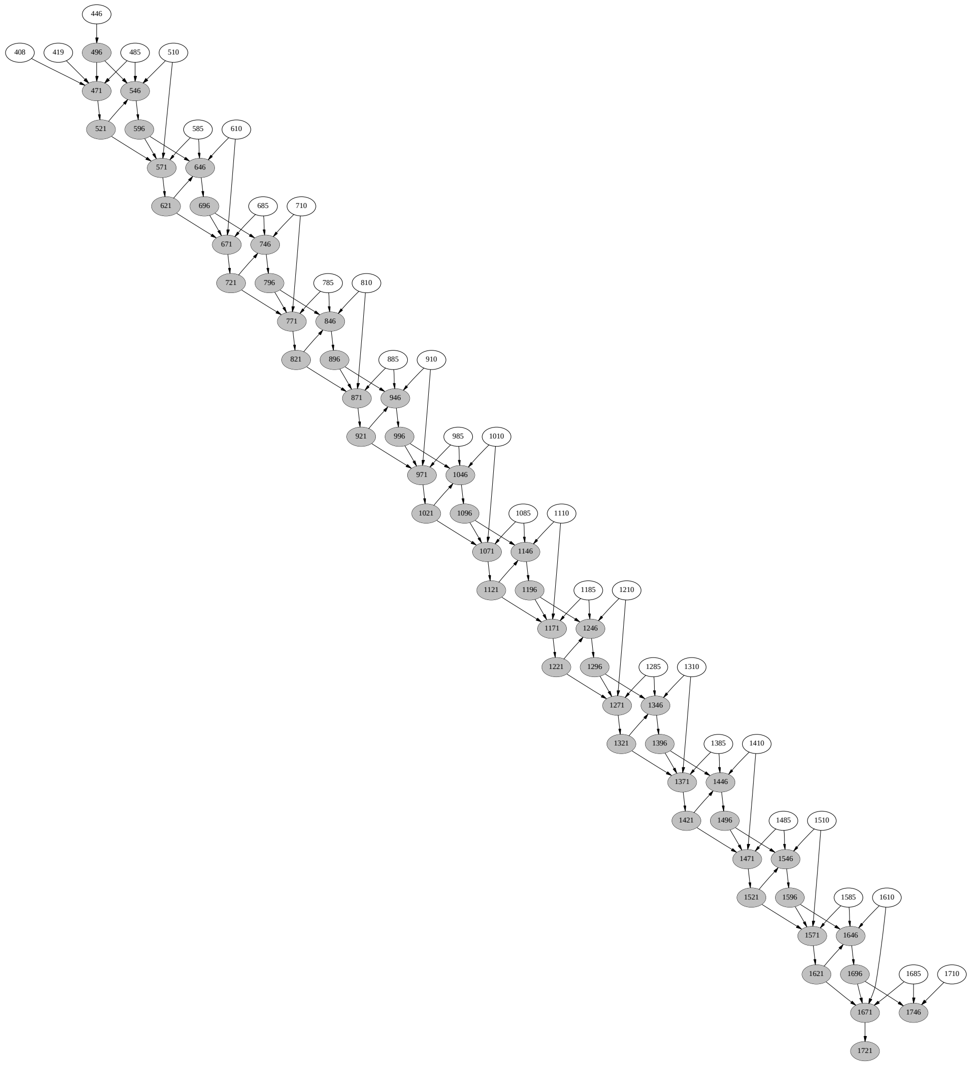
Initial walk length: 40



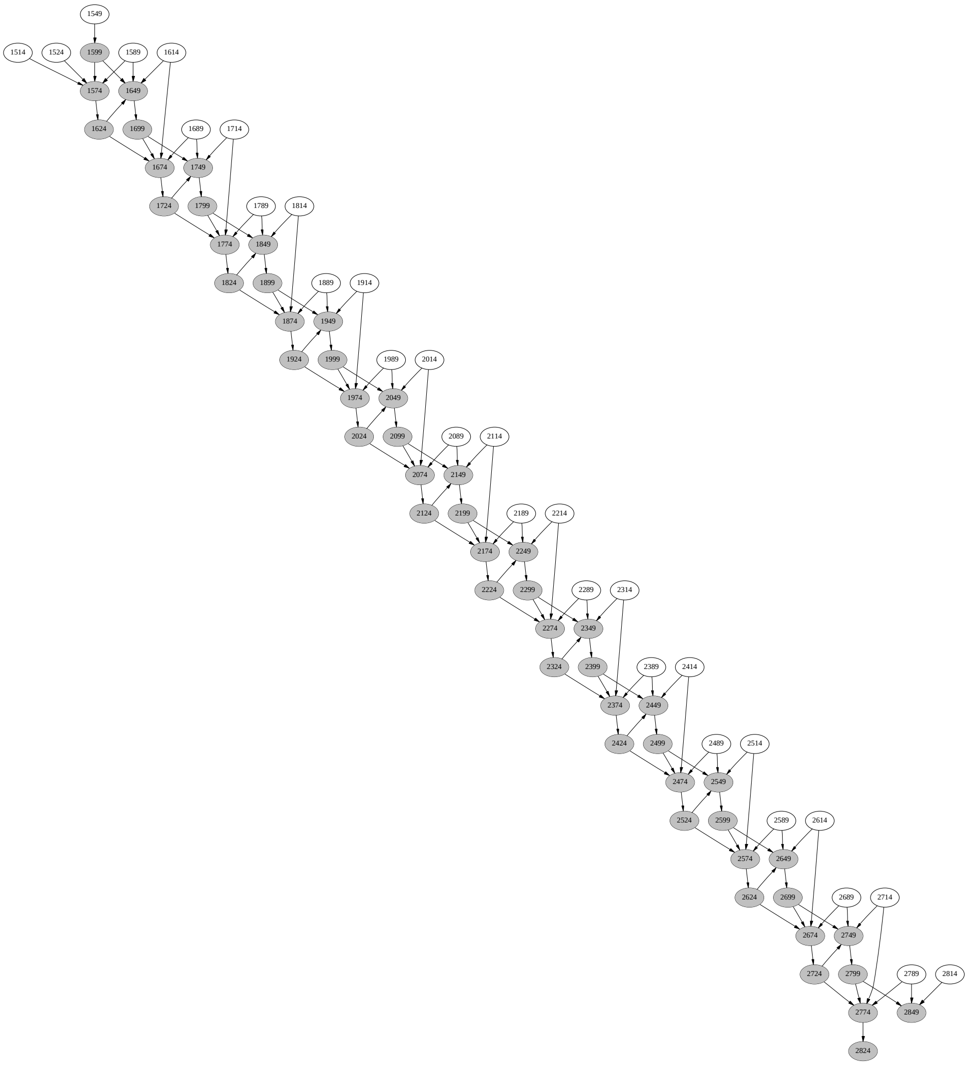
Initial walk length: 60



Initial walk length: 20



Initial walk length: 40



Initial walk length: 60