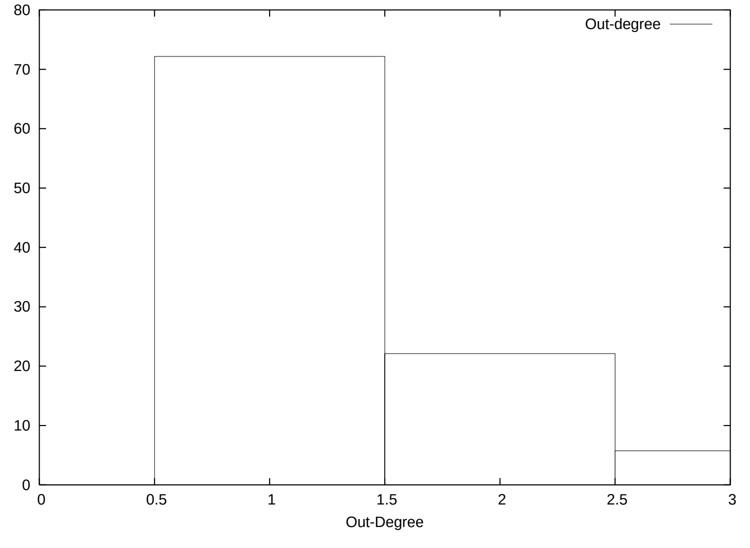
Graph: cadp/inv2d-p0-r1-a1

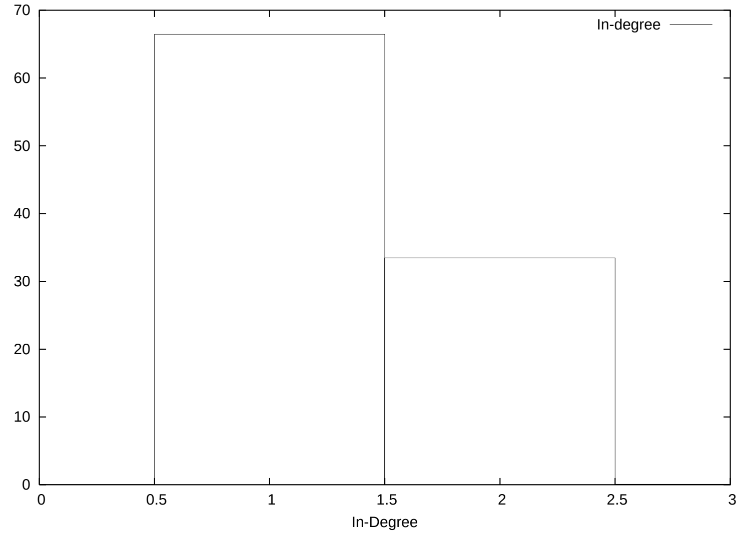
General Info

Example title	Invoicing case study
Parameter	0,1,1
Reduction	
Modification	
States	4,642
Edges	6,200
Average degree	1.3

Out-Degrees distribution:



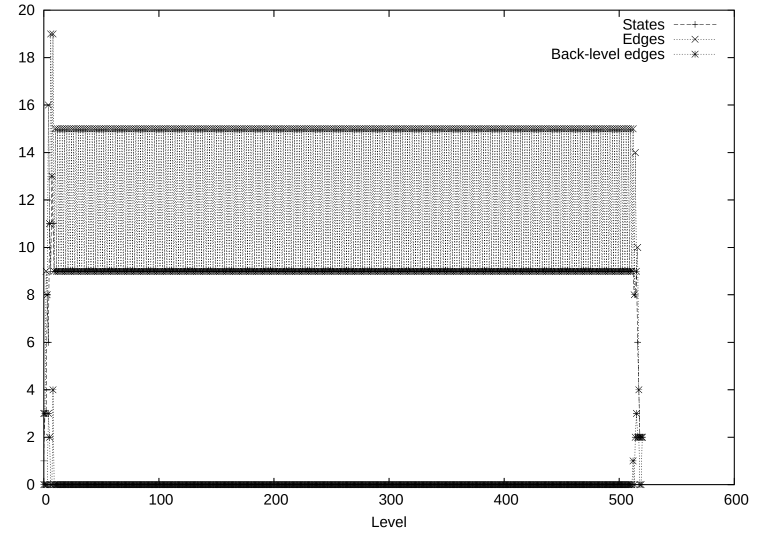
In-Degrees distribution:



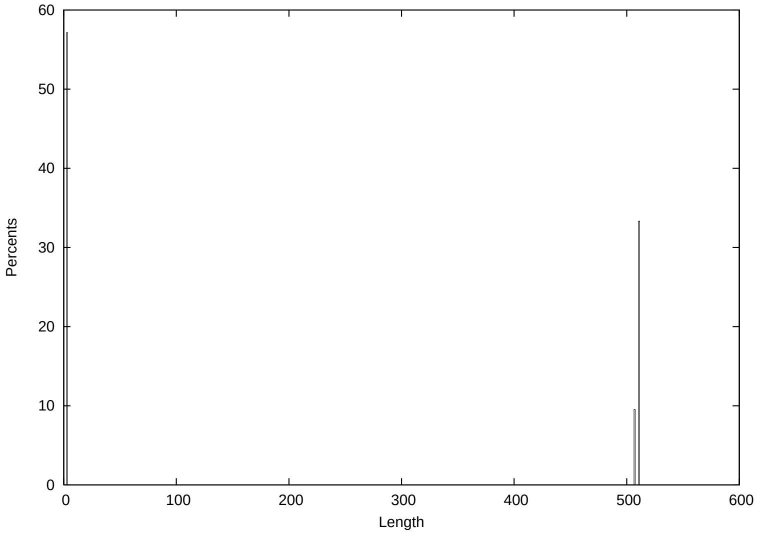
BFS Info

BFS height	520
BFS width	13 (0.2%)
Back level edges	21 (0.3%)

BFS level info:



Back level edges lengths:



SCC Info

SCC components	2,059
SCC quetient height	8
SCC quetient nontrivial height	6
Number of terminal components	2
The largest component is	intermediate

Statistics according to **sizes**:

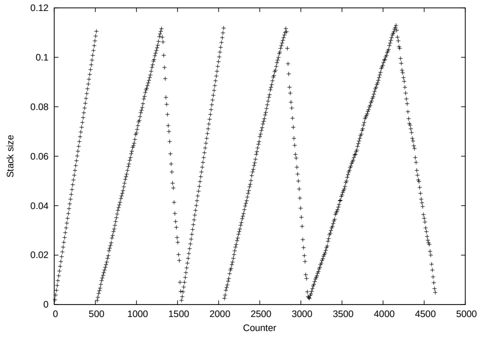
Size	Number of components	Number of states here
523	1	11.2%
515	2	22.1%
512	2	22%
12	1	0.2%
1	2,053	44.2%

SCC component graph (part):

DFS Info

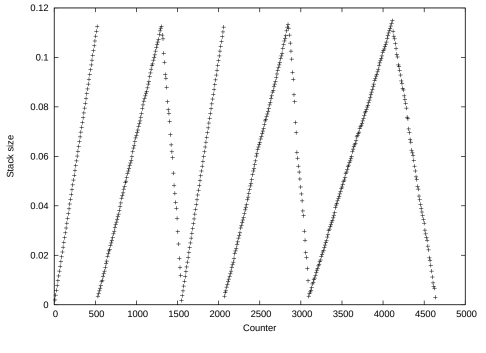
Run 0

front-edges : back-edges : cross-edges = 4,641 : 14 : 1,545 = 74.8%:0.2%:24.9%
Max. stack size: 530 (11.4%)
Shortest cycle detected: 4
Most often detected lengths of cycles: 4 (6), 512 (5), 8 (3), (), ()
Stack graph:



Run 1

front-edges : back-edges : cross-edges = 4,641 : 14 : 1,545 = 74.8%:0.2%:24.9%
Max. stack size: 533 (11.4%)
Shortest cycle detected: 4
Most often detected lengths of cycles: 4 (7), 512 (5), 8 (2), (), ()
Stack graph:



Local Structure

Short cycles(up to 6)

2	0	(0%)
3	0	(0%)
4	32	(0.6%)

Diamonds

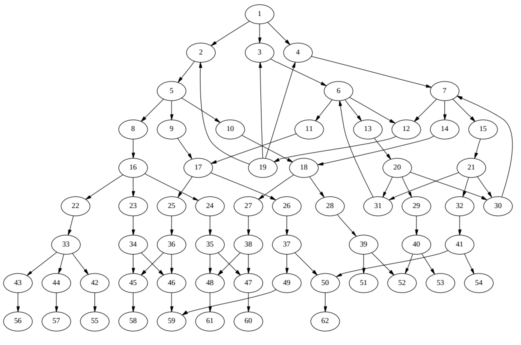
0 (0%)

Neighborhoods

k	avg size	avg clustering
1	2.3	1
2	4	1
3	6.1	1
4	8.7	1

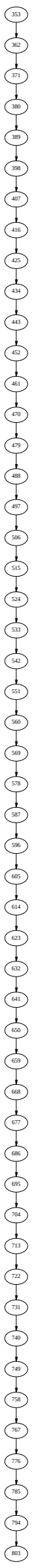
Visualization of some parts of the state state space:

Initial walk length: 0

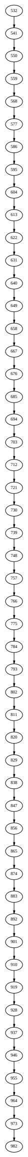


Initial walk length: 20

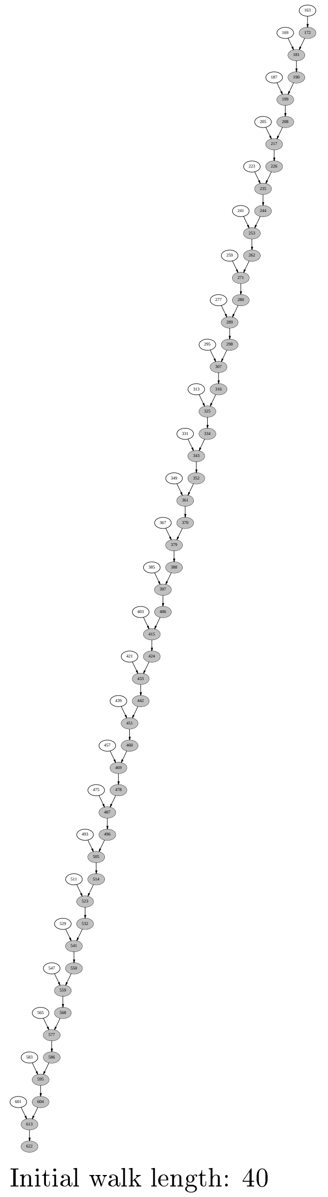
Initial walk length: 40



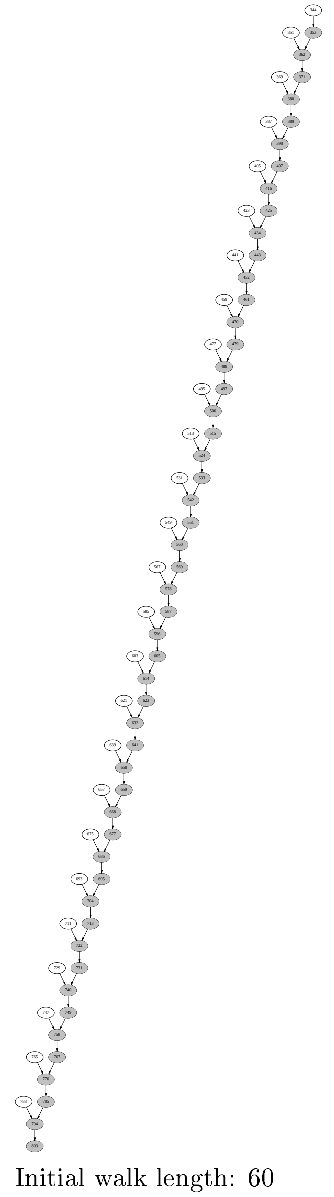
Initial walk length: 60



Initial walk length: 20



Initial walk length: 40



Initial walk length: 60