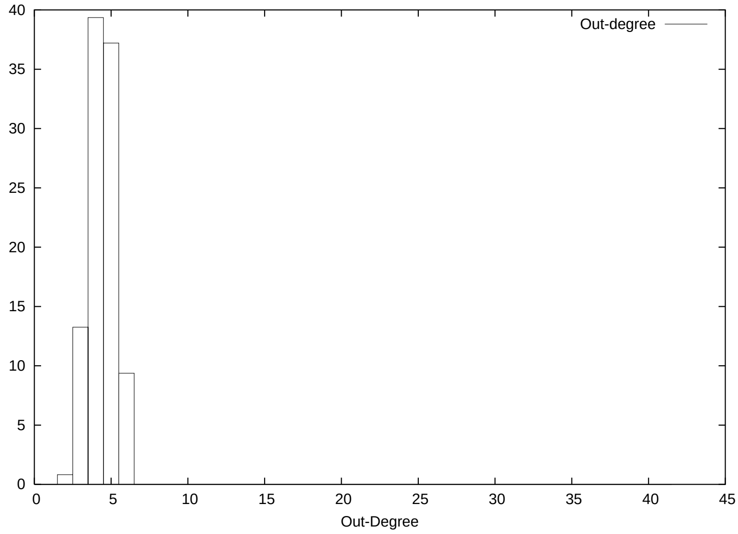
Graph: cadp/pots

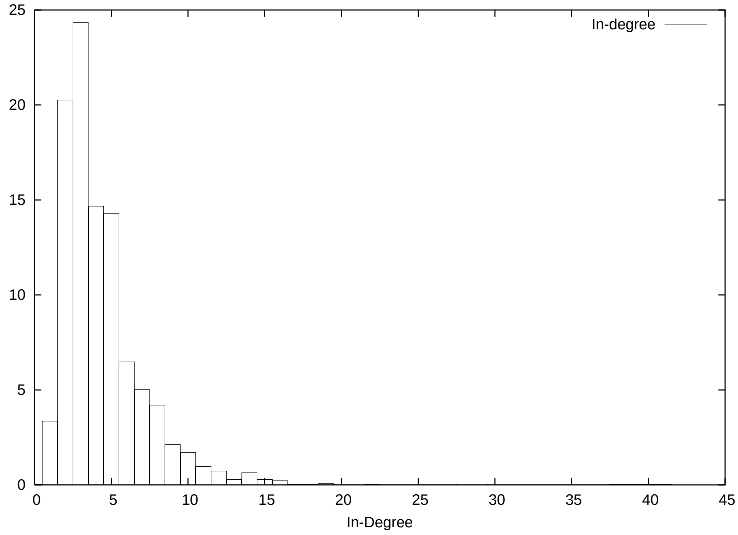
General Info

Example title	Plain Old Telephony System
Parameter	
Reduction	
Modification	
States	4,526
Edges	19,962
Average degree	4.4

Out-Degrees distribution:



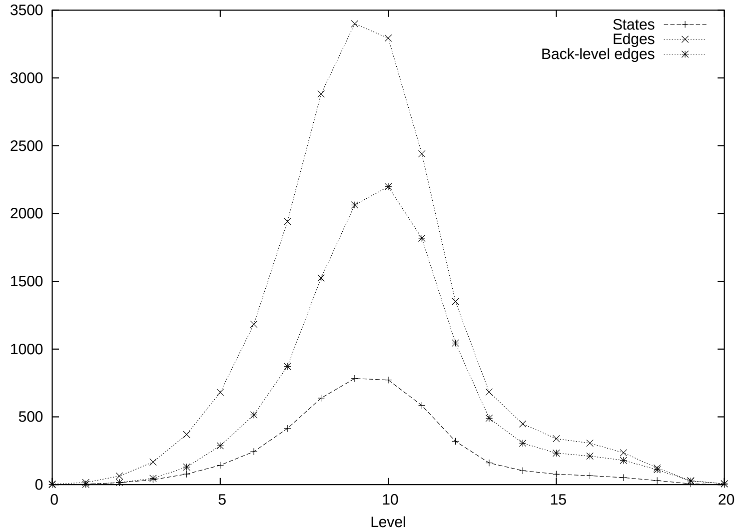
In-Degrees distribution:



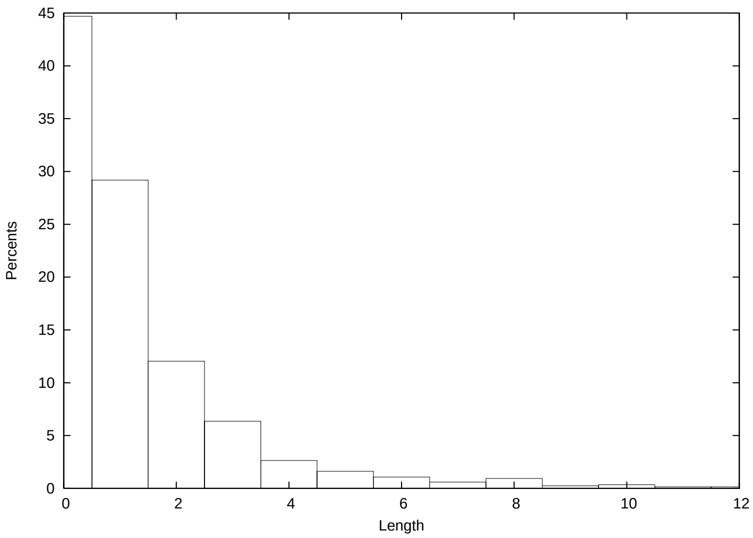
BFS Info

BFS height	20
BFS width	783 (17.3%)
Back level edges	12,078 (60.5%)

BFS level info:



Back level edges lengths:



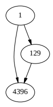
SCC Info

SCC components	3
SCC quetient height	2
SCC quetient nontrivial height	2
Number of terminal components	1
The largest component is	the only terminal

Statistics according to **sizes**:

Size	Number of components	Number of states here
4,396	1	97.1%
129	1	2.8%
1	1	0%

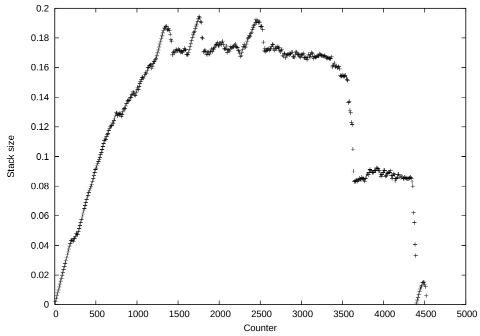
SCC component graph (part):



DFS Info

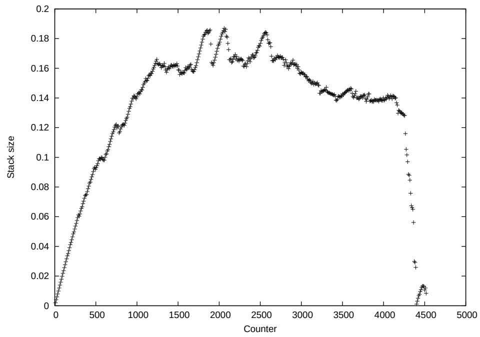
Run 0

front-edges : back-edges : cross-edges = 4,525 : 4,811 : 10,626 = 22.6%:24.1%:53.2%
Max. stack size: 887 (19.5%)
Shortest cycle detected: 2
Most often detected lengths of cycles: 2 (717), 4 (172), 3 (133), 5 (107), 6 (81)
Stack graph:



Run 1

front-edges : back-edges : cross-edges = 4,525 : 4,749 : 10,688 = 22.6%:23.7%:53.5%
Max. stack size: 850 (18.7%)
Shortest cycle detected: 2
Most often detected lengths of cycles: 2 (735), 4 (171), 3 (129), 5 (111), 6 (88)
Stack graph:



Local Structure

Short cycles(up to 6)

2	2,120	(46.8%)
3	114	(2.5%)
4	611	(13.4%)
5	130	(2.8%)
6	336	(7.4%)

Diamonds

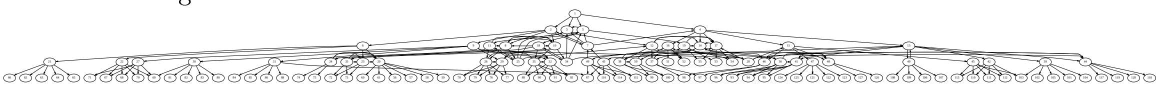
1,159 (25.6%)

Neighborhoods

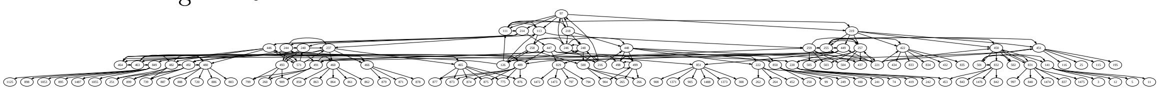
k	avg size	avg clustering
1	5.4	1
2	21.3	1.1
3	58.7	1.6
4	132.6	2

Visualization of some parts of the state state space:

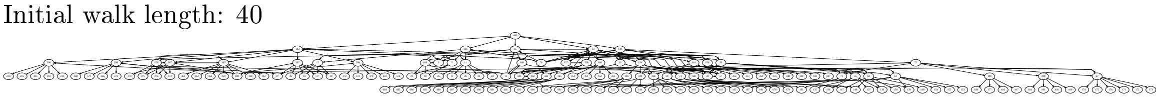
Initial walk length: 0



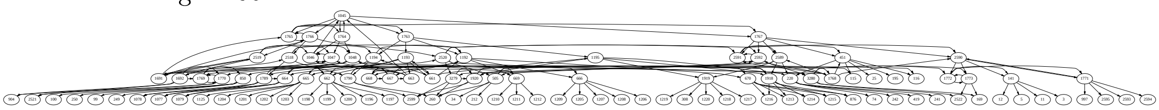
Initial walk length: 20



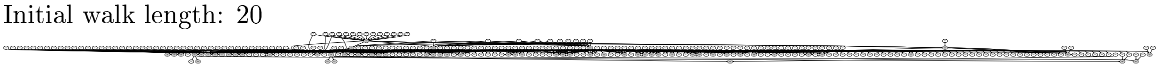
Initial walk length: 40



Initial walk length: 60



Initial walk length: 20



Initial walk length: 40

Initial walk length: 60