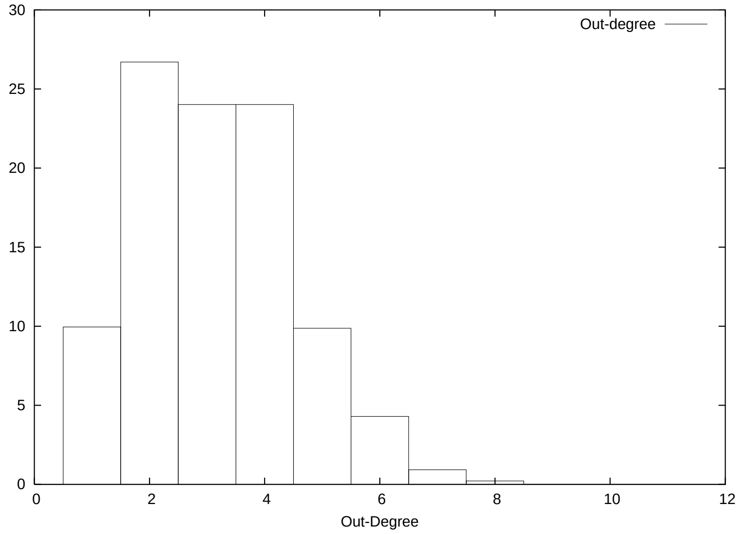
Graph: cadp/site123medium

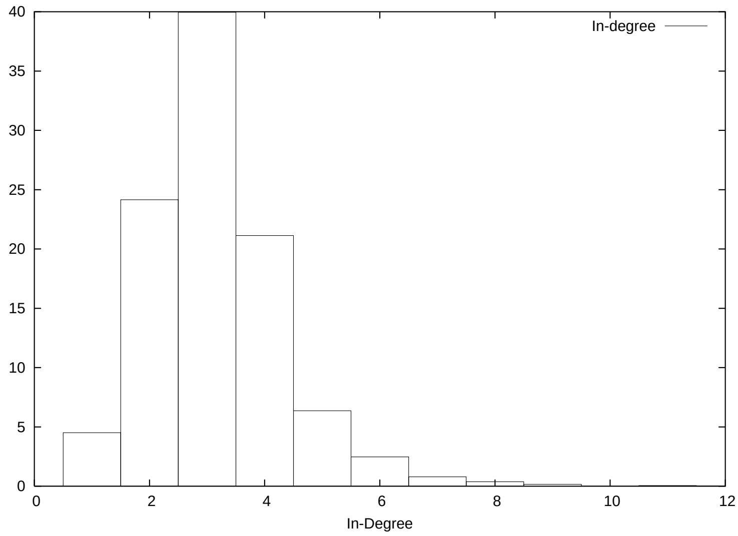
General Info

Example title	Cluster File System
Parameter	the graph is result of compositional construction,
Reduction	
Modification	
States	11,031
Edges	34,728
Average degree	3.1

Out-Degrees distribution:



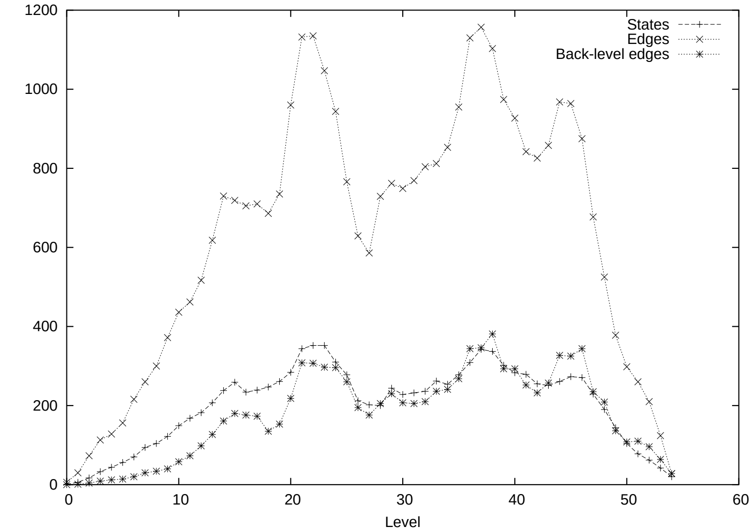
In-Degrees distribution:



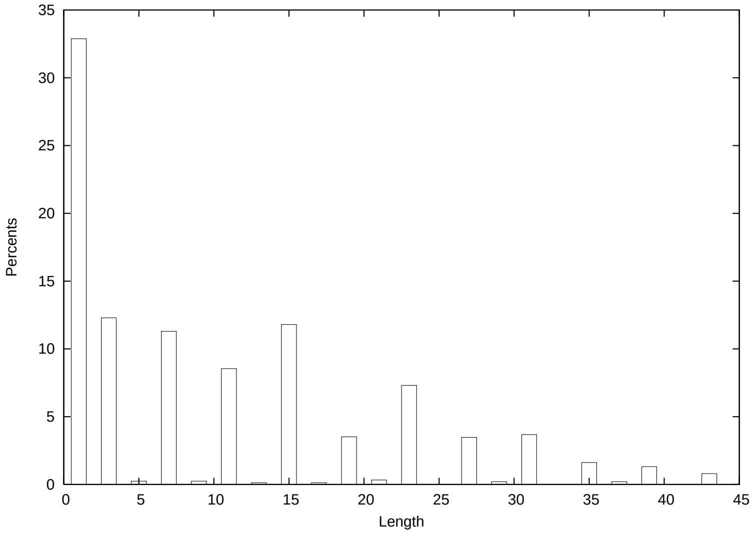
BFS Info

BFS height	54
BFS width	352 (3.1%)
Back level edges	9,737 (28%)

BFS level info:



Back level edges lengths:



SCC Info

SCC components	1
SCC quetient height	0
SCC quetient nontrivial height	0
Number of terminal components	1
The largest component is	initial the only terminal

Statistics according to **sizes**:

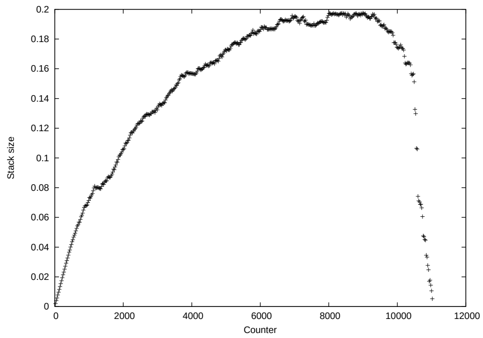
Size	Number of components	Number of states here
11,031	1	100%

SCC component graph (part):

DFS Info

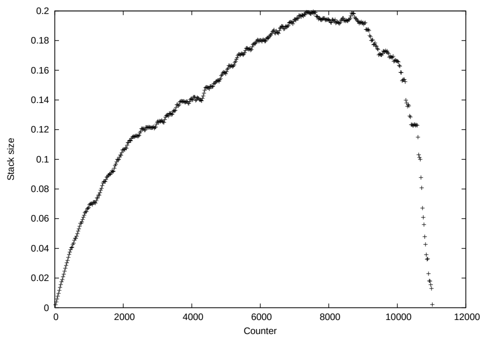
Run 0

front-edges : back-edges : cross-edges = 11,030 : 8,238 : 15,460 = 31.7%:23.7%:44.5%
Max. stack size: 2,184 (19.7%)
Shortest cycle detected: 2
Most often detected lengths of cycles: 2 (2531), 4 (934), 6 (175), 8 (95), 16 (38)
Stack graph:



Run 1

front-edges : back-edges : cross-edges = 11,030 : 7,966 : 15,732 = 31.7%:22.9%:45.3%
Max. stack size: 2,204 (19.9%)
Shortest cycle detected: 2
Most often detected lengths of cycles: 2 (2567), 4 (961), 6 (127), 8 (97), 48 (37)
Stack graph:



Local Structure

Short cycles(up to 6)

2	5,310	(48.1%)
3	0	(0%)
4	2,763	(25%)

Diamonds

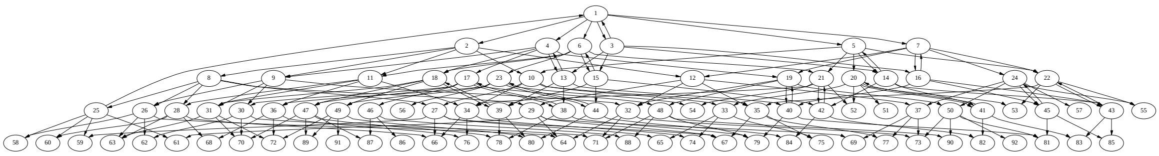
9,570 (86.7%)

Neighborhoods

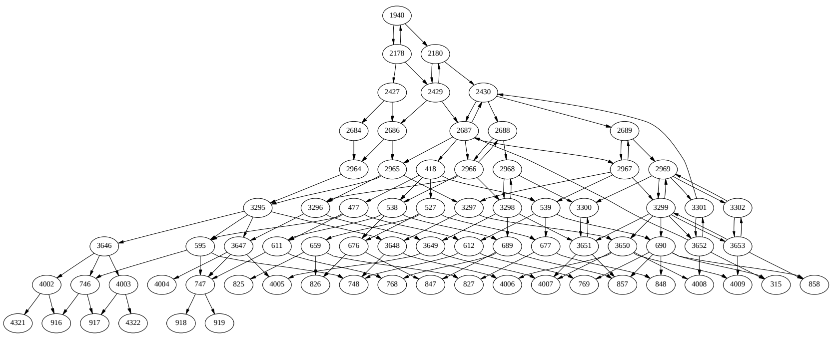
k	avg size	avg clustering
1	4.1	1
2	10.6	1.3
3	21.6	1.5
4	37.9	1.7

Visualization of some parts of the state state space:

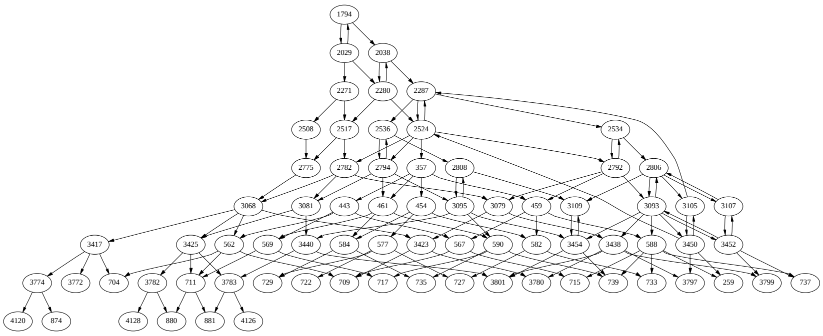
Initial walk length: 0



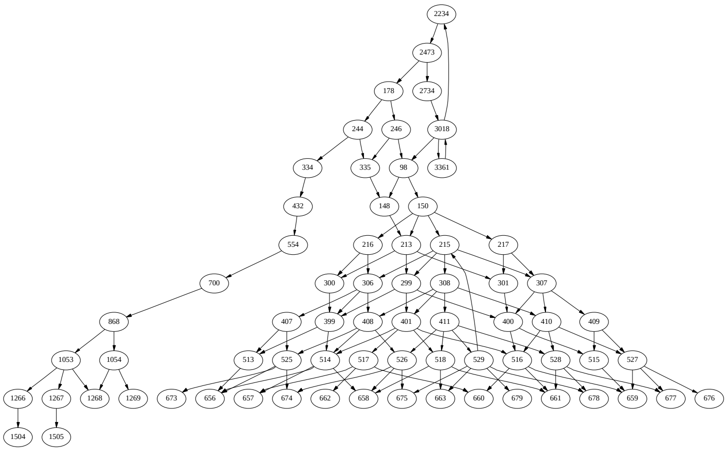
Initial walk length: 20



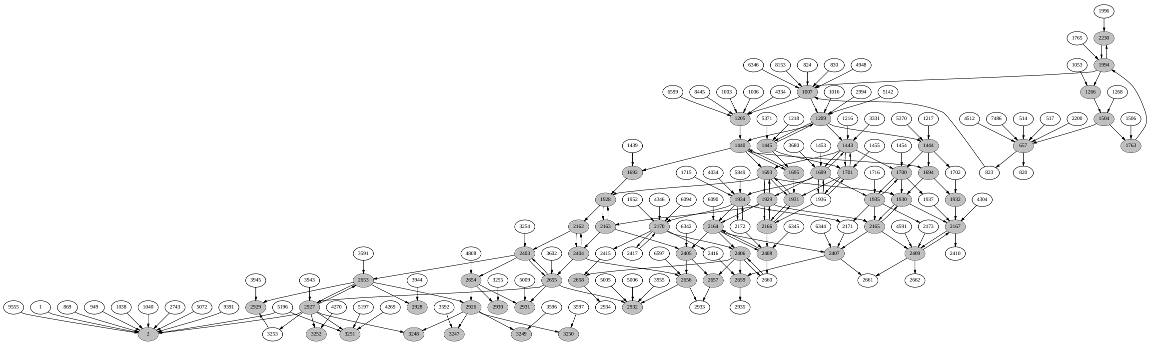
Initial walk length: 40



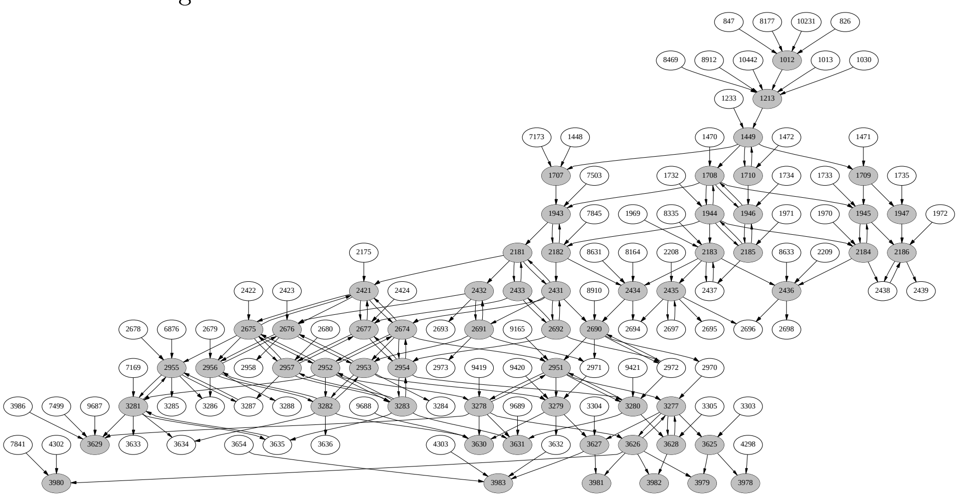
Initial walk length: 60



Initial walk length: 20



Initial walk length: 40



Initial walk length: 60