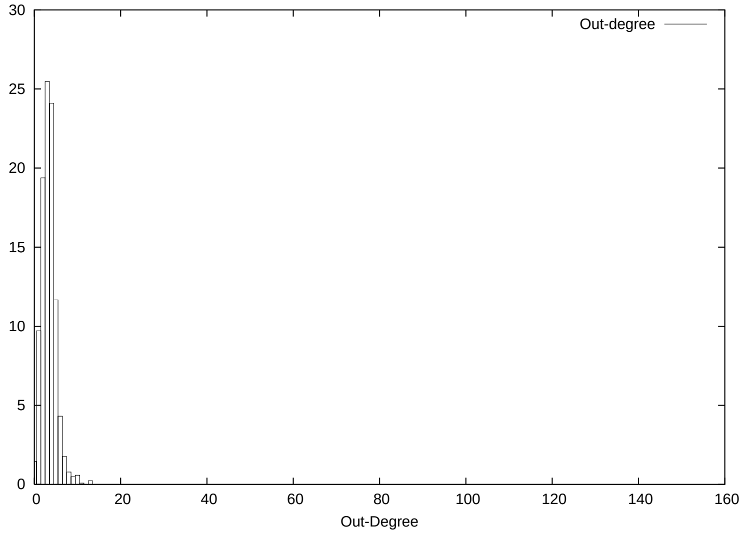
Graph: cadp/rel_rel

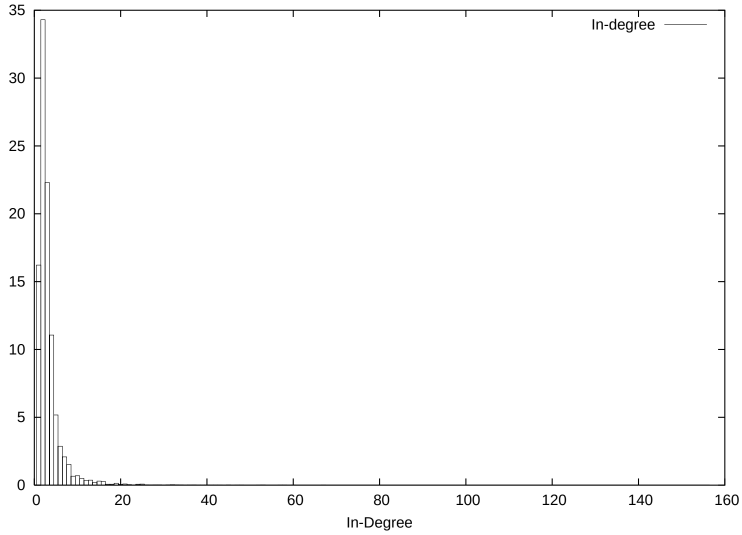
General Info

Example title	Reliable multicast protocol
Parameter	
Reduction	
Modification	
States	113,590
Edges	384,009
Average degree	3.3

Out-Degrees distribution:



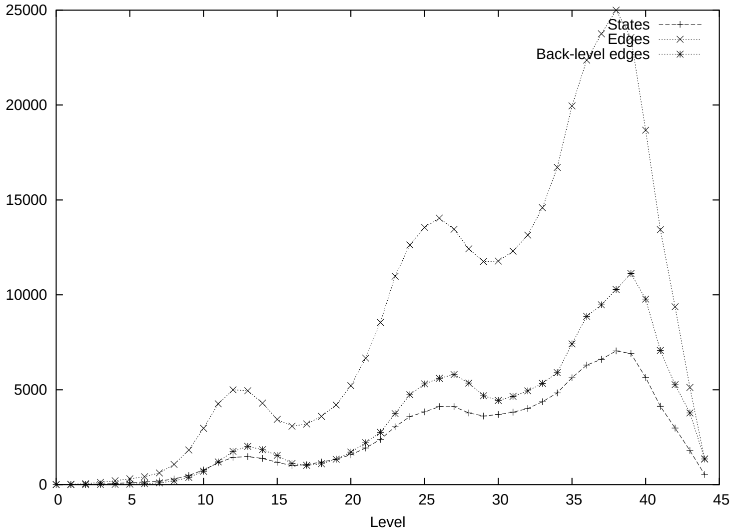
In-Degrees distribution:



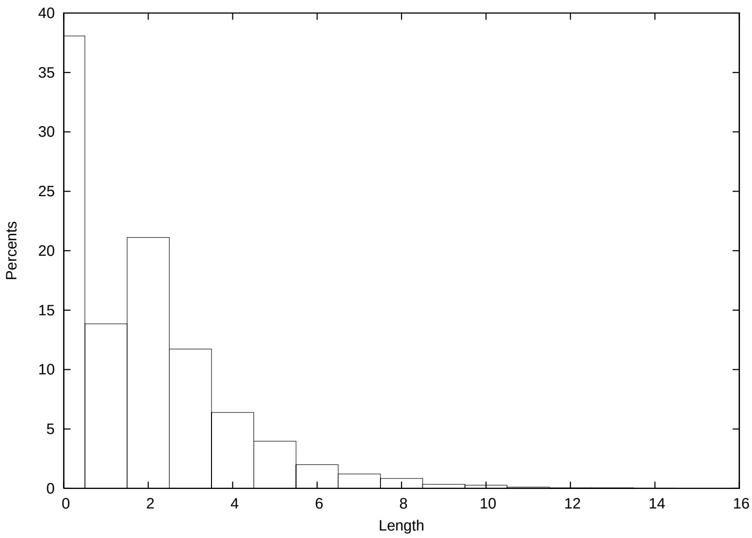
BFS Info

BFS height	44
BFS width	7,046 (6.2%)
Back level edges	155,973 (40.6%)

BFS level info:



Back level edges lengths:



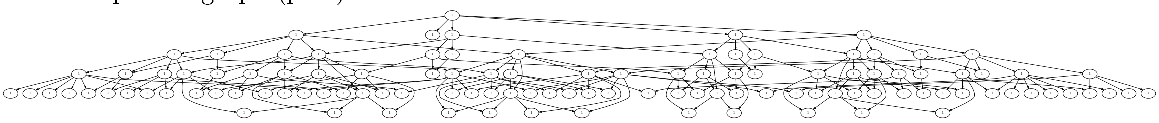
SCC Info

SCC components	113,590
SCC quetient height	63
SCC quetient nontrivial height	0
Number of terminal components	1,653
The largest component is	terminal

Statistics according to **sizes**:

Size	Number of components	Number of states here
1	113,590	100%

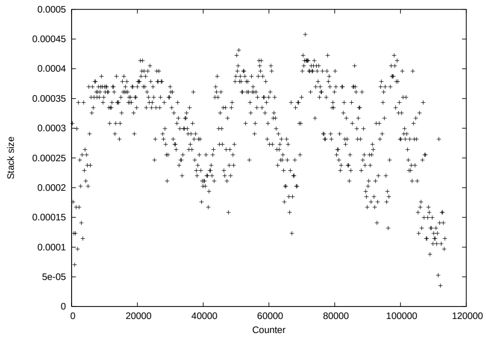
SCC component graph (part):



DFS Info

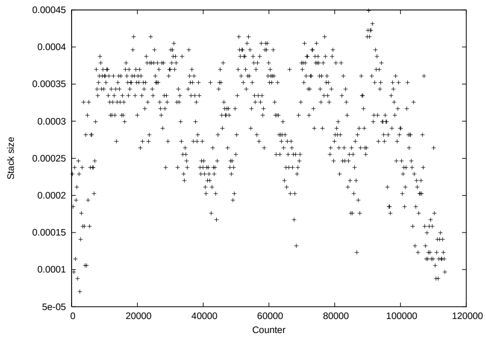
Run 0

front-edges : back-edges : cross-edges = 113,589 : 0 : 270,420 = 29.5%:0%:70.4%
Max. stack size: 53 (0%)
Shortest cycle detected: -1
Most often detected lengths of cycles: (), (), (), (), ()
Stack graph:



Run 1

front-edges : back-edges : cross-edges = 113,589 : 0 : 270,420 = 29.5%:0%:70.4%
Max. stack size: 53 (0%)
Shortest cycle detected: -1
Most often detected lengths of cycles: (), (), (), (), ()
Stack graph:



Local Structure

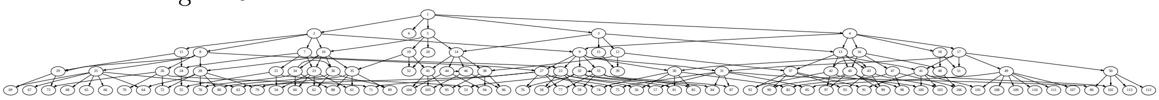
Short cycles(up to 6)
none
Diamonds

87,019 (76.6%)

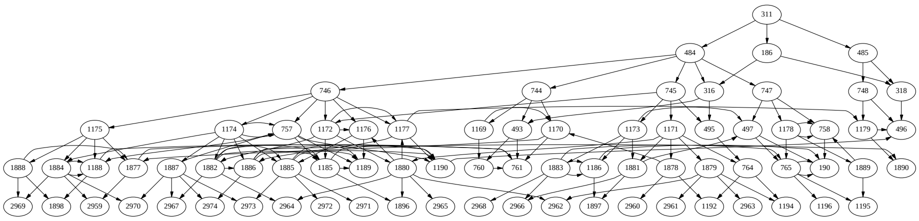
Neighborhoods

k	avg size	avg clustering
1	4.3	1
2	10.5	1.3
3	20.1	1.5
4	33.7	1.6

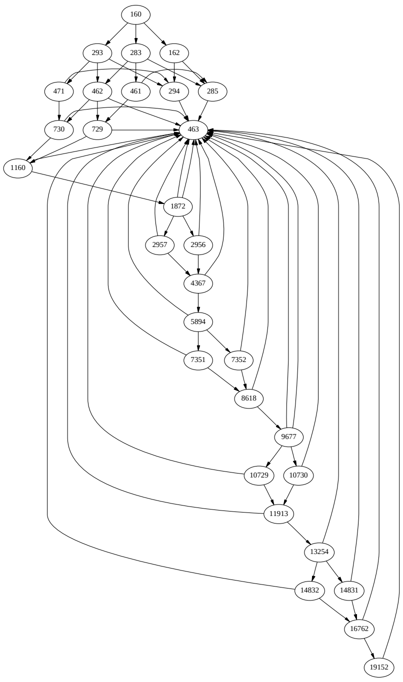
Visualization of some parts of the state state space:
Initial walk length: 0



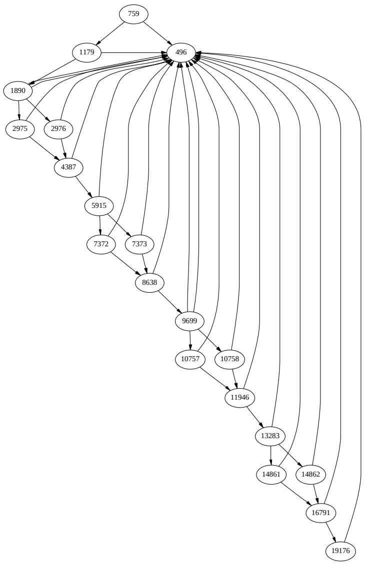
Initial walk length: 20



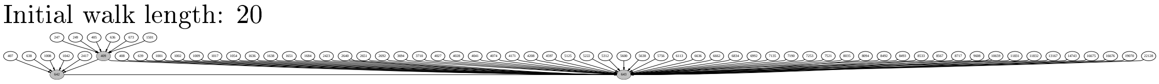
Initial walk length: 40



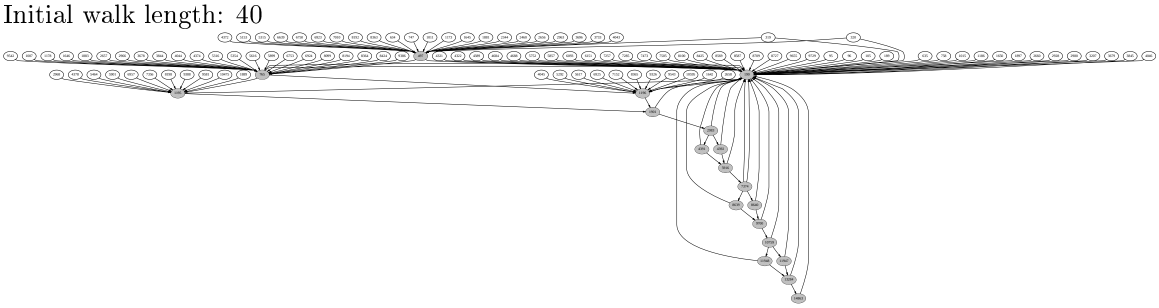
Initial walk length: 60



Initial walk length: 20



Initial walk length: 40



Initial walk length: 60