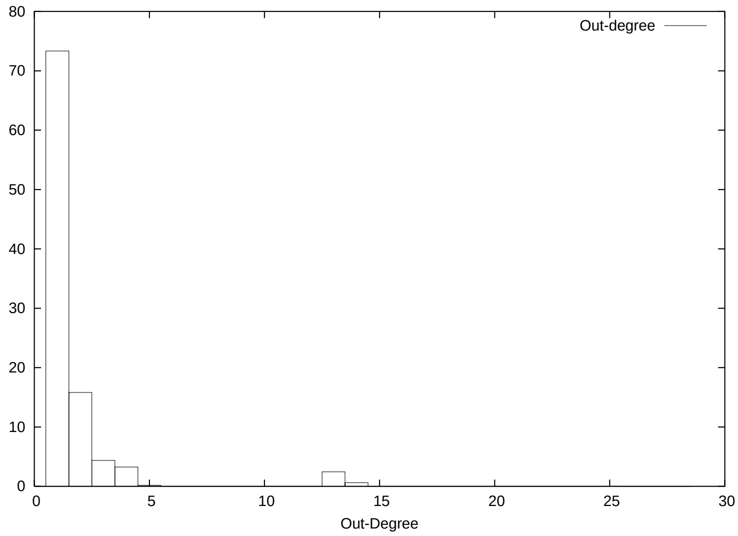
Graph: mcrl/1394-fin

General Info

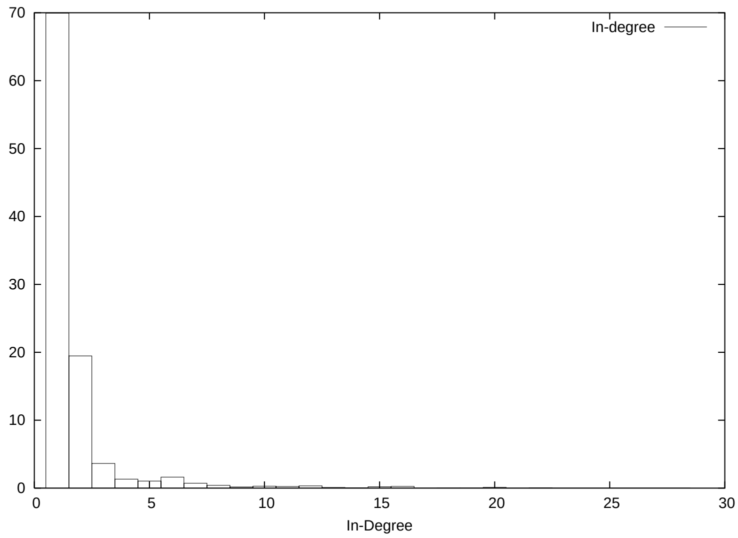
Example title	Link Layer Protocol of the IEEE-1394 Serial Bus
Parameter	
Reduction	
Modification	

States	371,804
Edges	641,565
Average degree	1.7

Out-Degrees distribution:



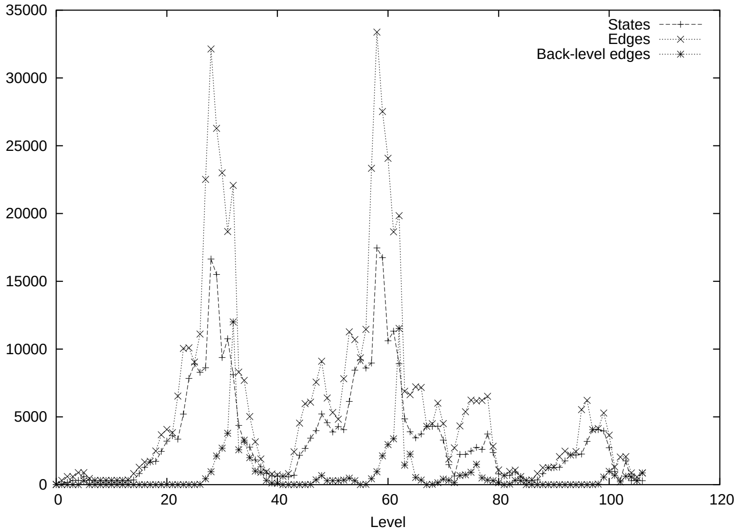
In-Degrees distribution:



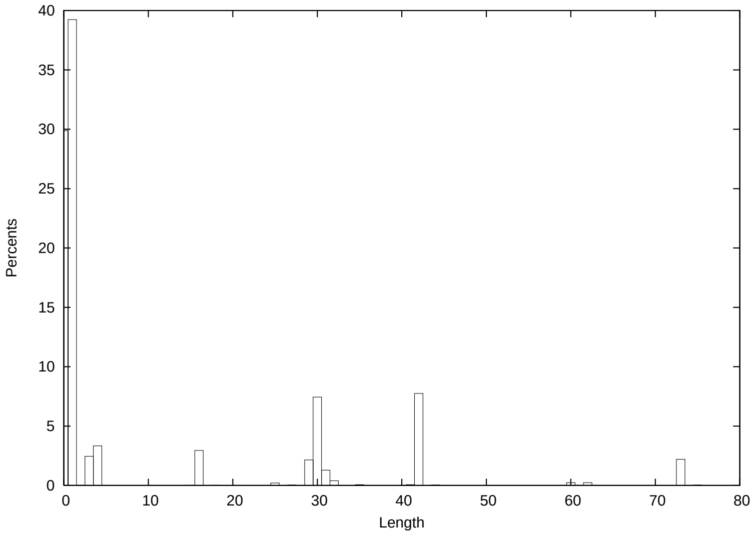
BFS Info

BFS height	106
BFS width	17,457 (4.6%)
Back level edges	73,102 (11.3%)

BFS level info:



Back level edges lengths:



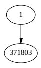
SCC Info

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

Statistics according to **sizes**:

Size	Number of components	Number of states here
371,803	1	99.9%
1	1	0%

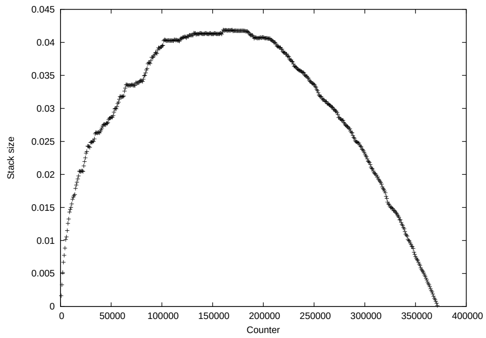
SCC component graph (part):



DFS Info

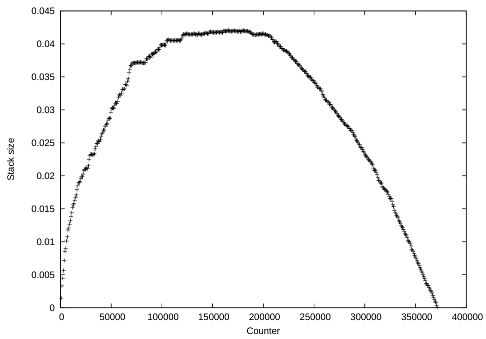
Run 0

front-edges : back-edges : cross-edges = 371,803 : 29,524 : 240,238 = 57.9%:4.6%:37.4%
Max. stack size: 15,579 (4.1%)
Shortest cycle detected: 2
Most often detected lengths of cycles: 2 (14362), 4 (104), 67 (56), 66 (47), 35 (36)
Stack graph:



Run 1

front-edges : back-edges : cross-edges = 371,803 : 29,349 : 240,413 = 57.9%:4.5%:37.4%
Max. stack size: 15,642 (4.2%)
Shortest cycle detected: 2
Most often detected lengths of cycles: 2 (14378), 4 (104), 9142 (42), 2308 (36), 1336 (34)
Stack graph:



Local Structure

Short cycles(up to 6)

2	28,464	(7.6%)
3	0	(0%)
4	416	(0.1%)

Diamonds

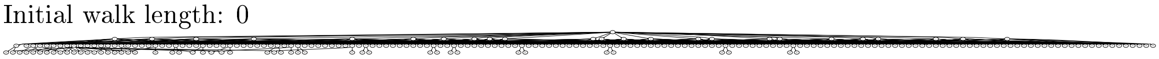
54,300 (14.6%)

Neighborhoods

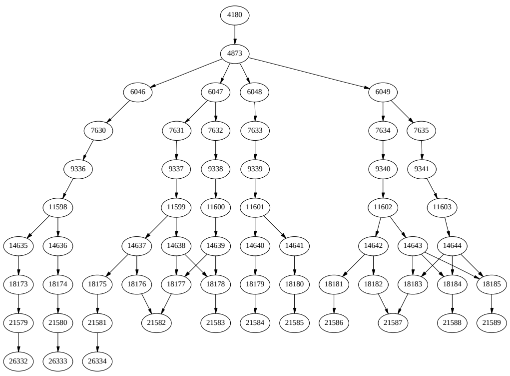
k	avg size	avg clustering
1	2.7	1
2	5.5	1
3	9.6	1
4	15.9	1.1

Visualization of some parts of the state state space:

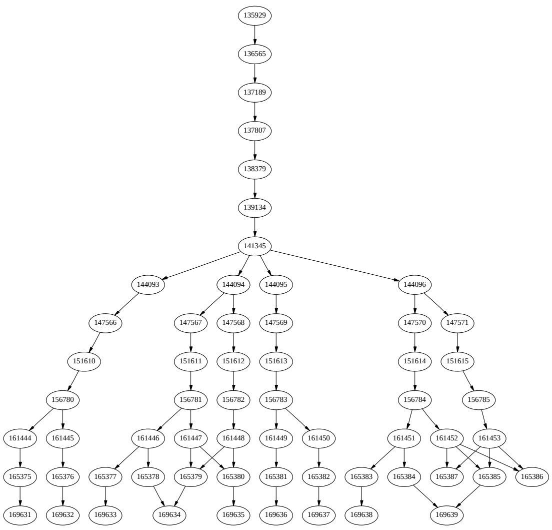
Initial walk length: 0



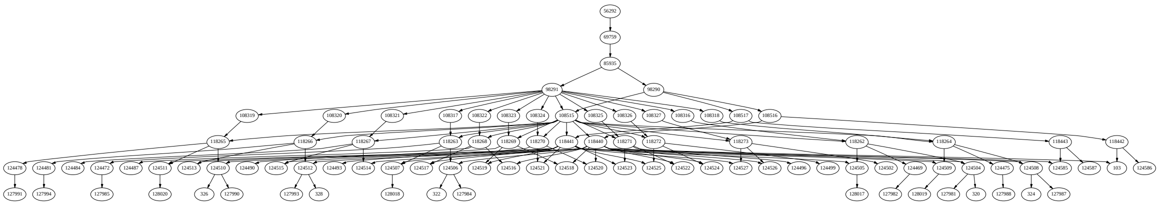
Initial walk length: 20



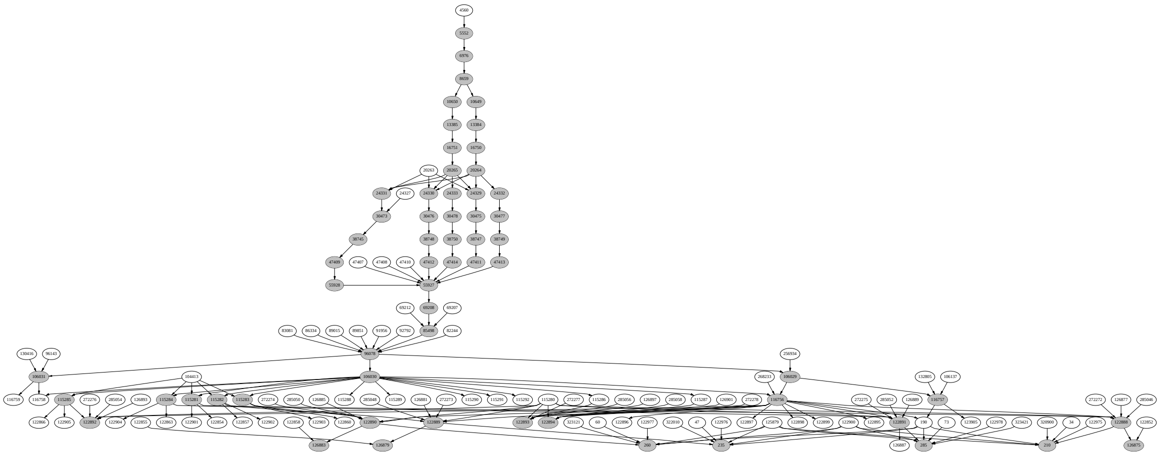
Initial walk length: 40



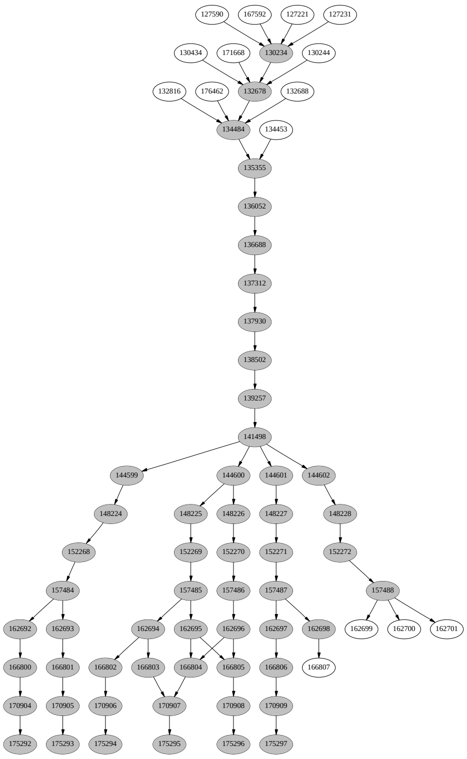
Initial walk length: 60



Initial walk length: 20



Initial walk length: 40



Initial walk length: 60