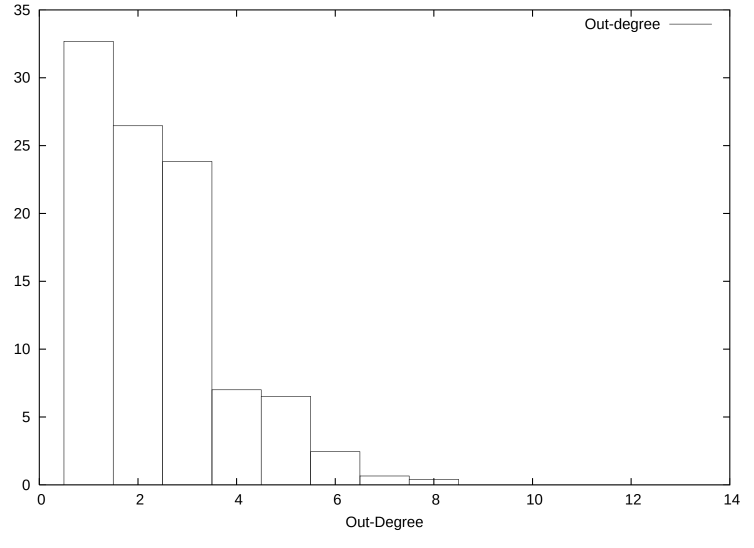
Graph: mcrl/lift3-modif

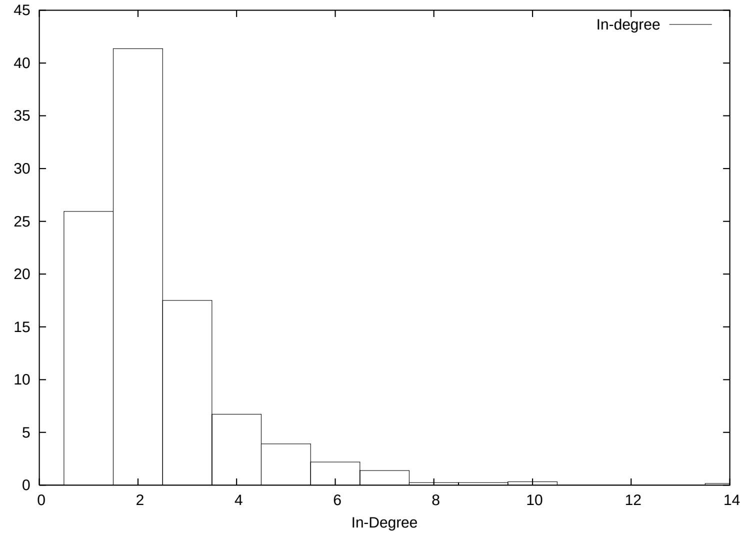
General Info

Example title	Distributed Lift System
Parameter	3
Reduction	
Modification	
States	7,369
Edges	17,697
Average degree	2.4

Out-Degrees distribution:



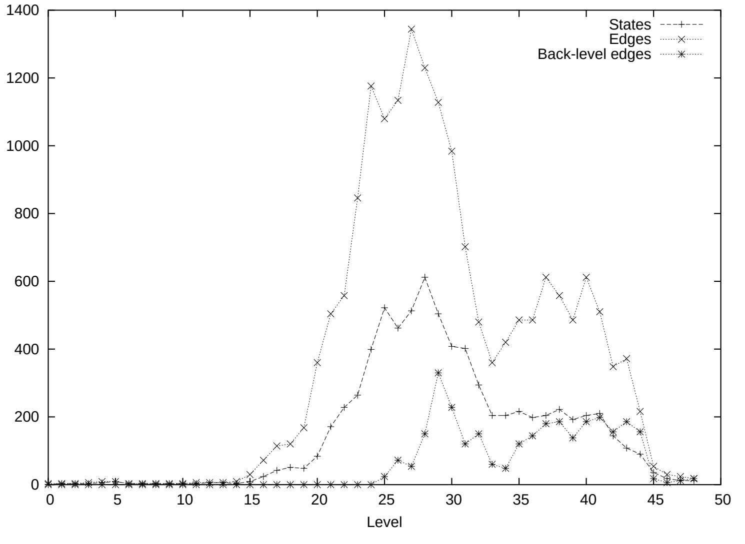
In-Degrees distribution:



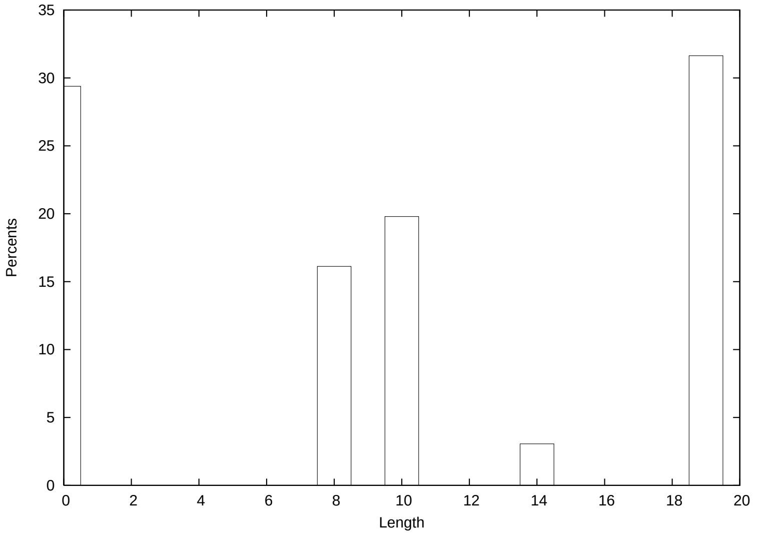
BFS Info

BFS height	48
BFS width	612 (8.3%)
Back level edges	2,940 (16.6%)

BFS level info:



Back level edges lengths:



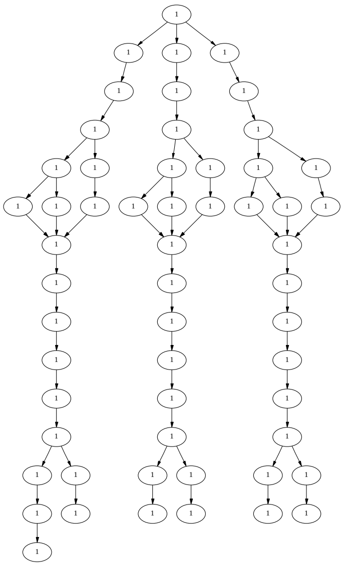
SCC Info

SCC components	325
SCC quetient height	22
SCC quetient nontrivial height	1
Number of terminal components	3
The largest component is	terminal

Statistics according to **sizes**:

Size	Number of components	Number of states here
2,349	3	95.6%
1	322	4.3%

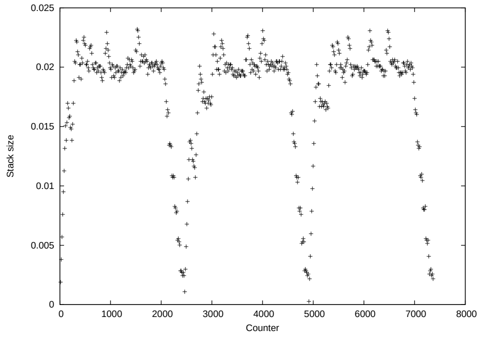
SCC component graph (part):



DFS Info

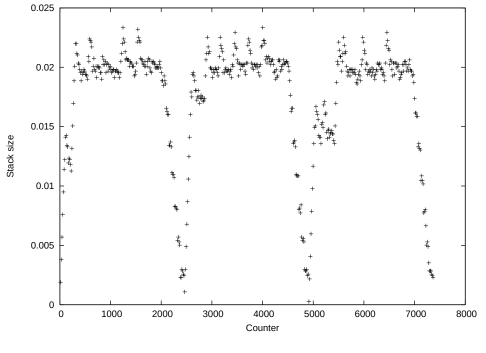
Run 0

front-edges : back-edges : cross-edges = 7,368 : 676 : 9,653 = 41.6%:3.8%:54.5%
Max. stack size: 172 (2.3%)
Shortest cycle detected: 9
Most often detected lengths of cycles: 60 (74), 46 (70), 59 (69), 23 (66), 83 (61)
Stack graph:



Run 1

front-edges : back-edges : cross-edges = 7,368 : 689 : 9,640 = 41.6%:3.8%:54.4%
Max. stack size: 174 (2.3%)
Shortest cycle detected: 9
Most often detected lengths of cycles: 60 (77), 82 (58), 22 (56), 45 (54), 59 (48)
Stack graph:



Local Structure

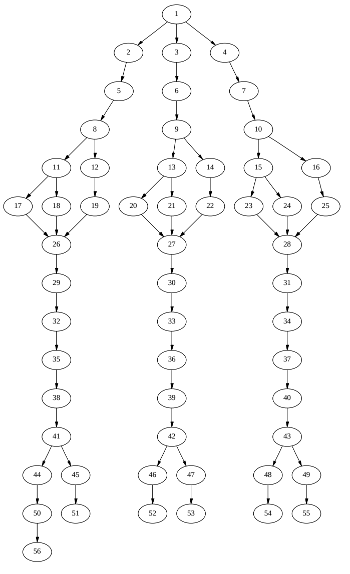
Short cycles(up to 6)
none
Diamonds

3,990 (54.1%)

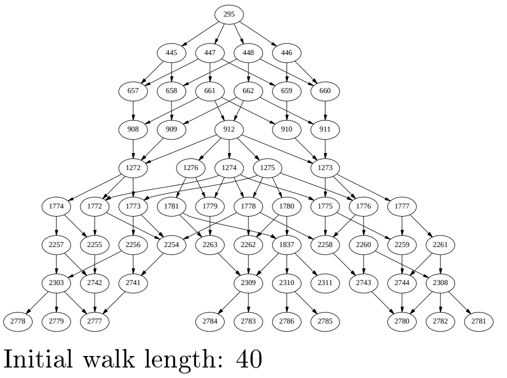
Neighborhoods

k	avg size	avg clustering
1	3.4	1
2	7.4	1.1
3	13.4	1.2
4	21.7	1.3

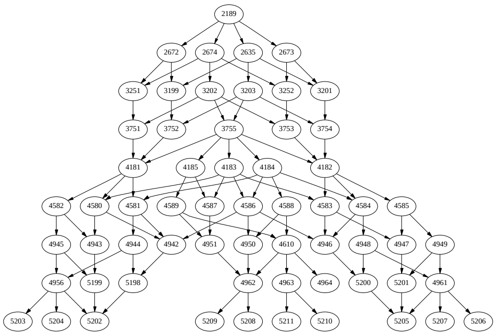
Visualization of some parts of the state state space:
Initial walk length: 0



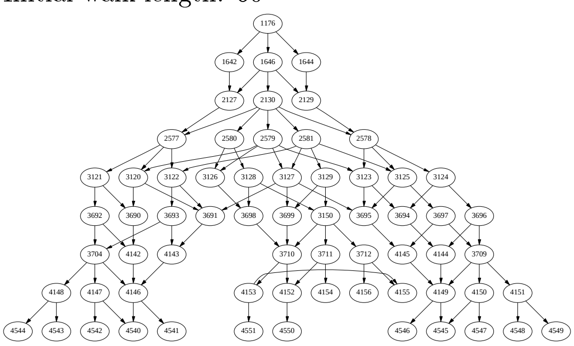
Initial walk length: 20



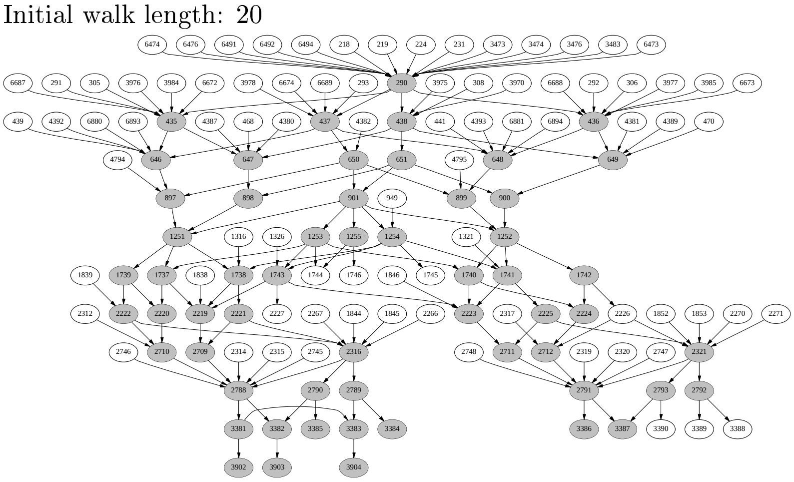
Initial walk length: 40



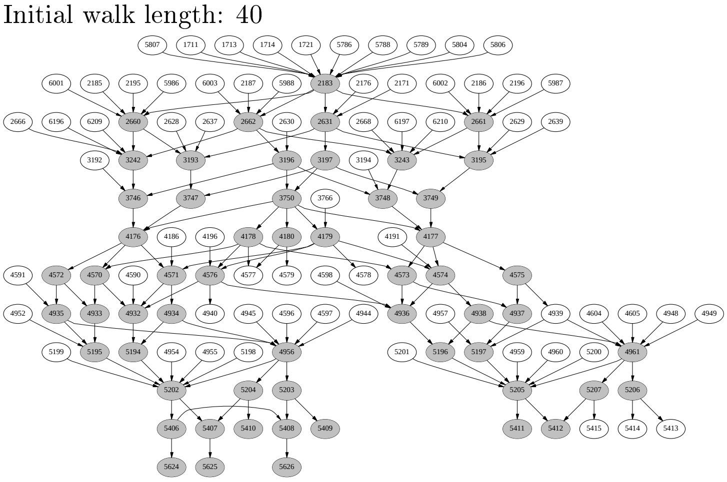
Initial walk length: 60



Initial walk length: 20



Initial walk length: 40



Initial walk length: 60