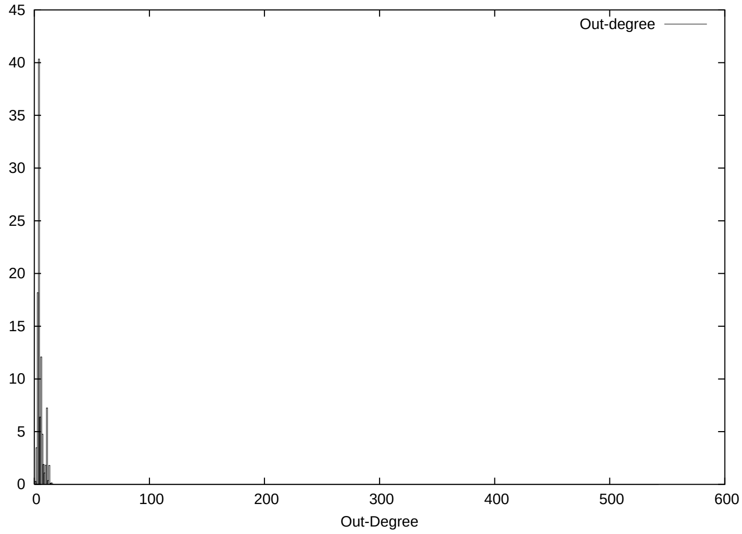
Graph: cadp/vasy_69_520

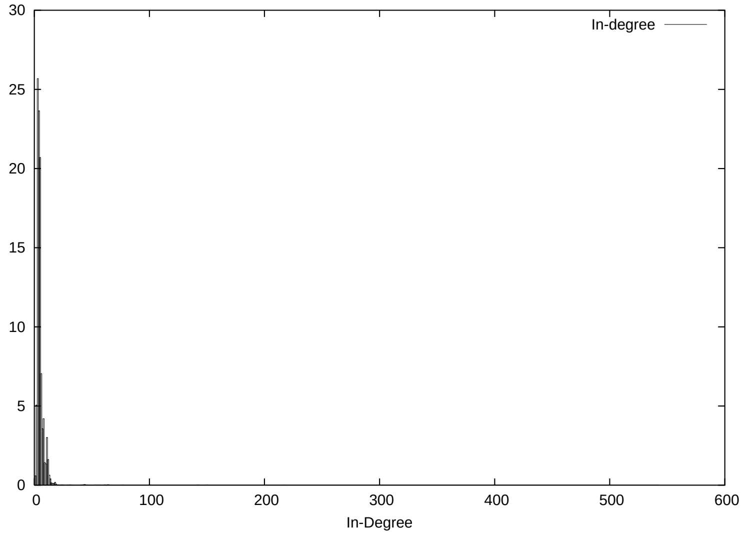
General Info

Example title	VLTS benchmark suite
Parameter	
Reduction	
Modification	
States	69,754
Edges	359,575
Average degree	5.1

Out-Degrees distribution:



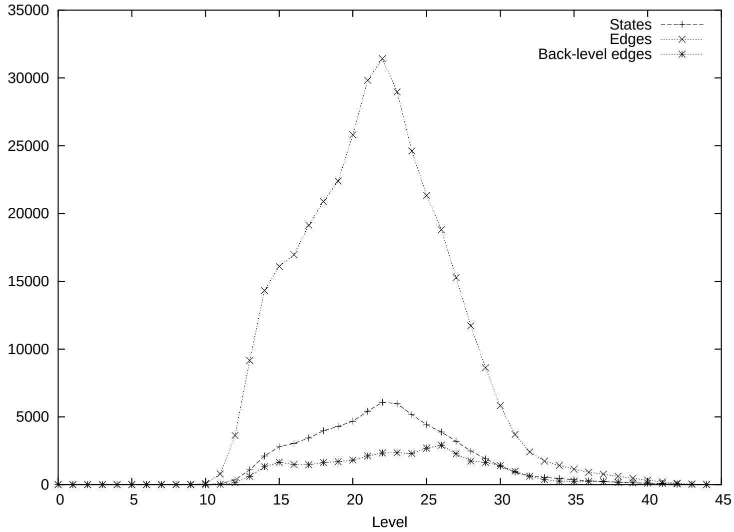
In-Degrees distribution:



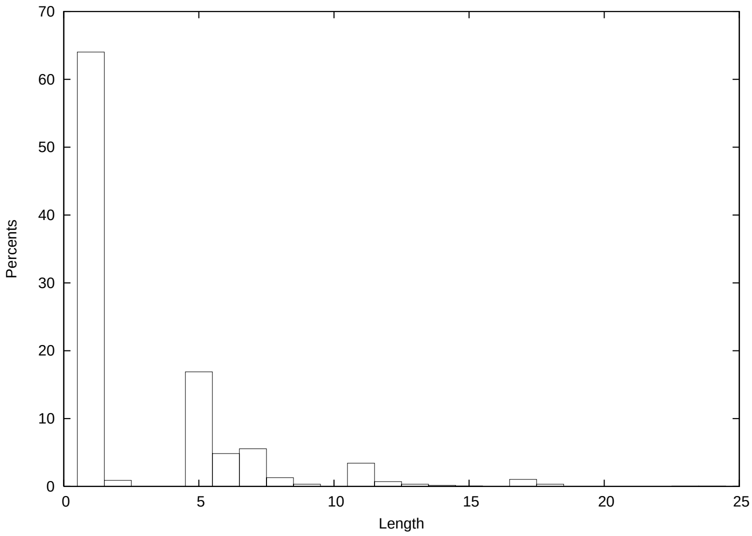
BFS Info

BFS height	44
BFS width	6,079 (8.7%)
Back level edges	37,130 (10.3%)

BFS level info:



Back level edges lengths:



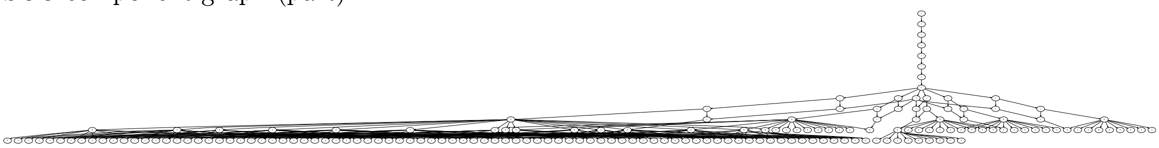
SCC Info

SCC components	52,138
SCC quetient height	48
SCC quetient nontrivial height	28
Number of terminal components	1
The largest component is	intermediate

Statistics according to **sizes**:

Size	Number of components	Number of states here
8	59	0.6%
4	1,404	8%
2	12,991	37.2%
1	37,684	54%

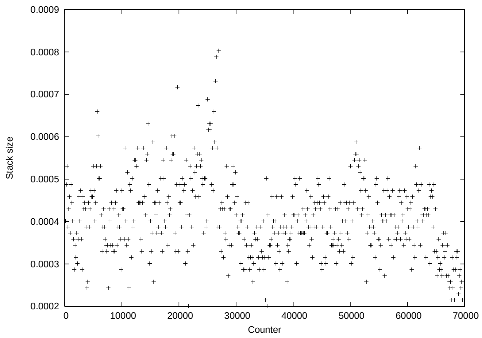
SCC component graph (part):



DFS Info

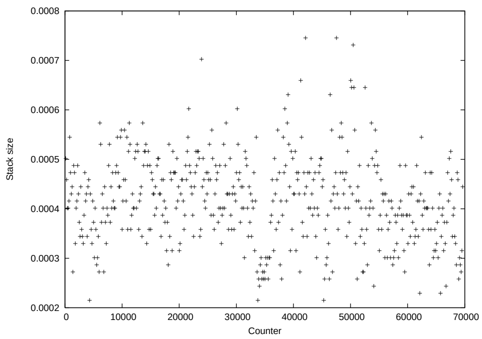
Run 0

front-edges : back-edges : cross-edges = 69,753 : 19,315 : 270,507 = 19.3%:5.3%:75.2%
Max. stack size: 62 (0%)
Shortest cycle detected: 2
Most often detected lengths of cycles: 2 (17616), 4 (1542), 6 (124), 8 (33), ()
Stack graph:



Run 1

front-edges : back-edges : cross-edges = 69,753 : 19,315 : 270,507 = 19.3%:5.3%:75.2%
Max. stack size: 60 (0%)
Shortest cycle detected: 2
Most often detected lengths of cycles: 2 (17616), 4 (1530), 6 (146), 8 (23), ()
Stack graph:



Local Structure

Short cycles(up to 6)

2	32,070	(45.9%)

Diamonds

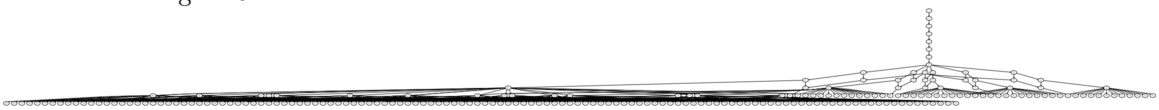
69,510 (99.6%)

Neighborhoods

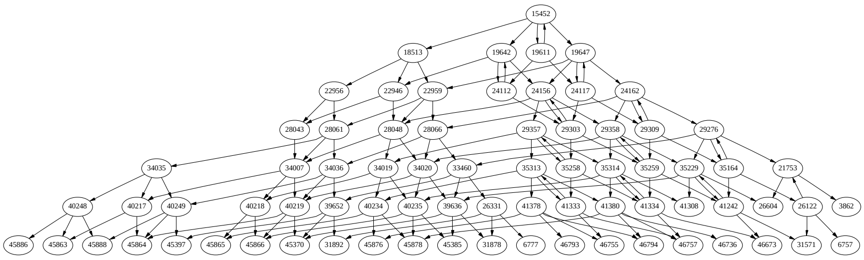
k	avg size	avg clustering
1	6.1	1
2	19.1	1.5
3	42.3	1.8
4	75.8	2.1

Visualization of some parts of the state state space:

Initial walk length: 0

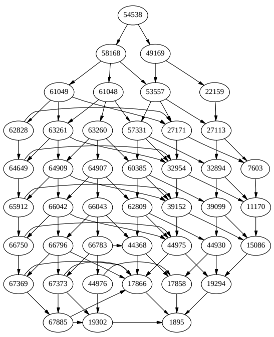


Initial walk length: 20

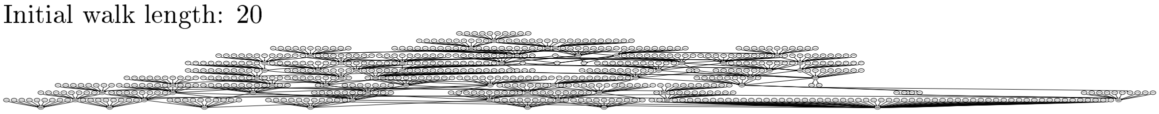


Initial walk length: 40

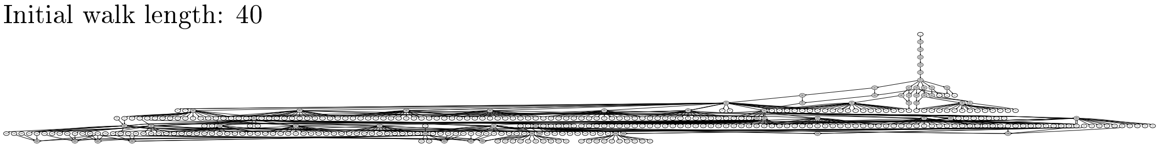
Initial walk length: 60



Initial walk length: 20



Initial walk length: 40



Initial walk length: 60