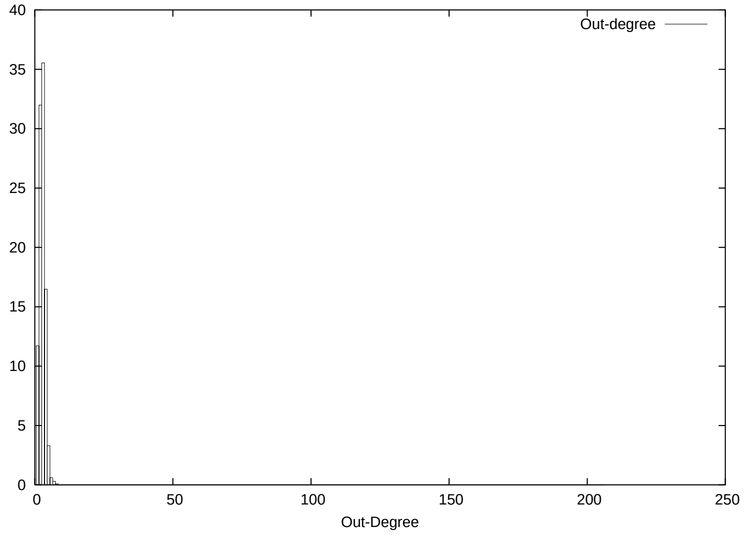
Graph: cadp/vasy_116_368

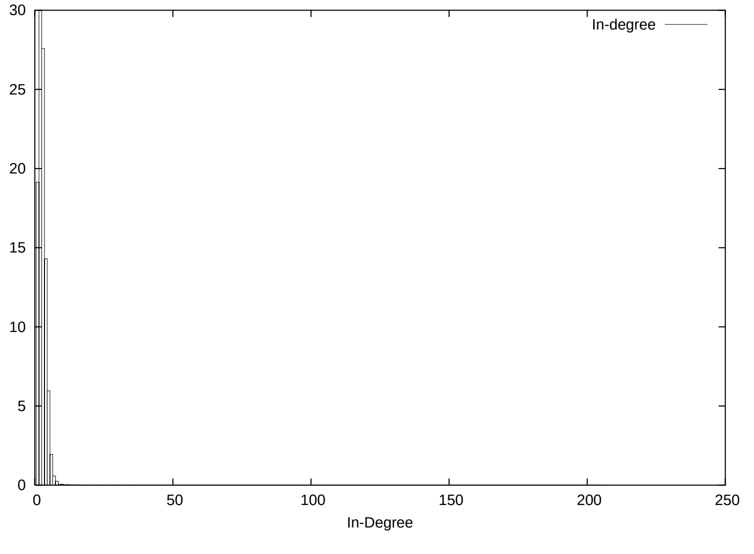
General Info

Example title	VLTS benchmark suite
Parameter	
Reduction	
Modification	
States	116,456
Edges	315,682
Average degree	2.7

Out-Degrees distribution:



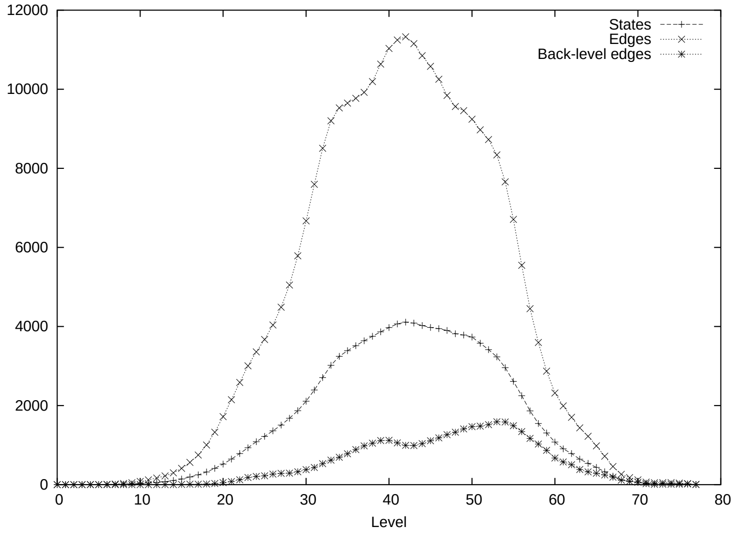
In-Degrees distribution:



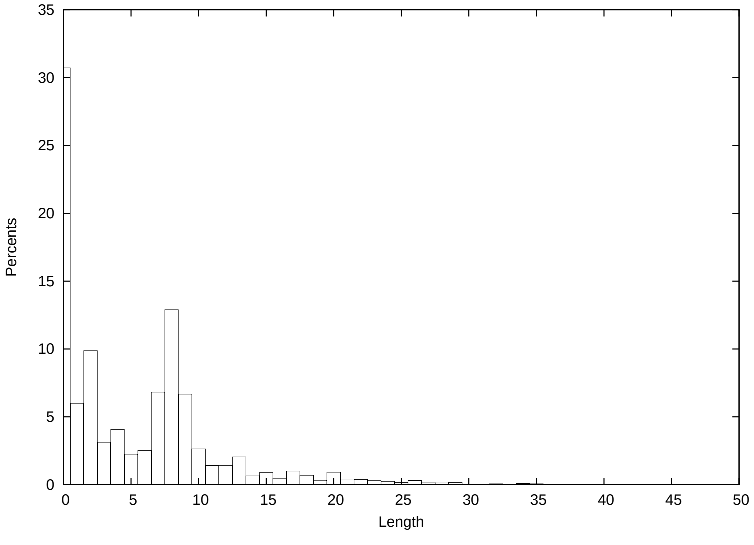
BFS Info

BFS height	77
BFS width	4,110 (3.5%)
Back level edges	38,135 (12%)

BFS level info:



Back level edges lengths:



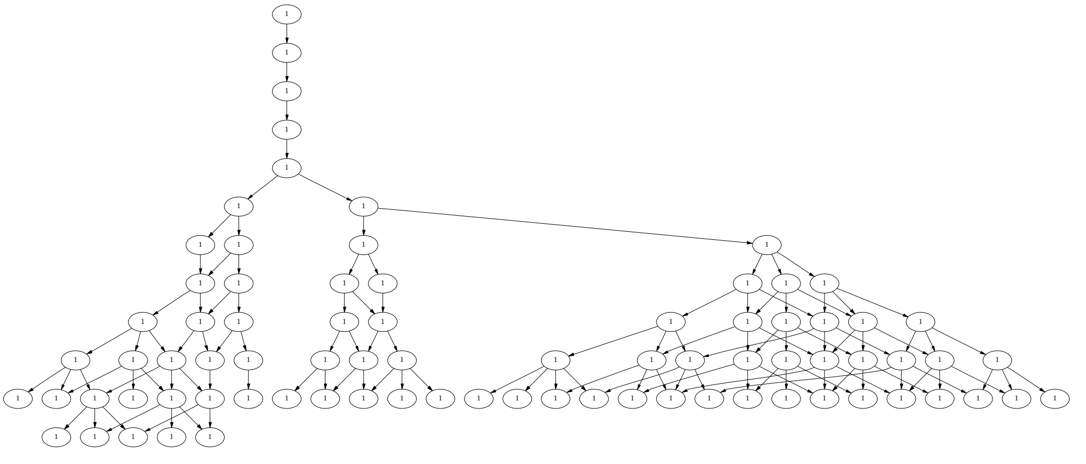
SCC Info

SCC components	116,456
SCC quetient height	90
SCC quetient nontrivial height	0
Number of terminal components	15
The largest component is	terminal

Statistics according to **sizes**:

Size	Number of components	Number of states here
1	116,456	100%

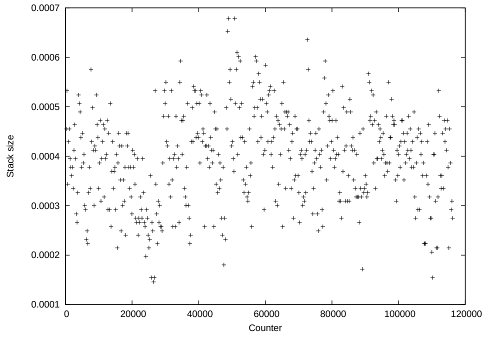
SCC component graph (part):



DFS Info

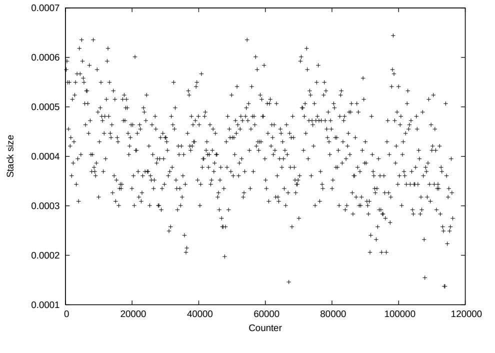
Run 0

front-edges : back-edges : cross-edges = 116,455 : 0 : 199,227 = 36.8%:0%:63.1%
Max. stack size: 83 (0%)
Shortest cycle detected: -1
Most often detected lengths of cycles: (), (), (), (), ()
Stack graph:



Run 1

front-edges : back-edges : cross-edges = 116,455 : 0 : 199,227 = 36.8%:0%:63.1%
Max. stack size: 84 (0%)
Shortest cycle detected: -1
Most often detected lengths of cycles: (), (), (), (), ()
Stack graph:



Local Structure

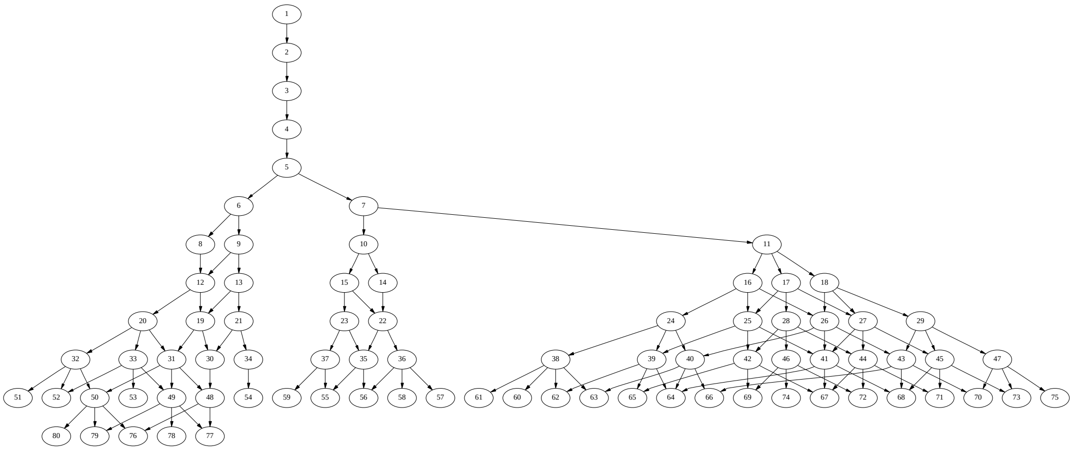
Short cycles(up to 6)
none
Diamonds

96,498 (82.8%)

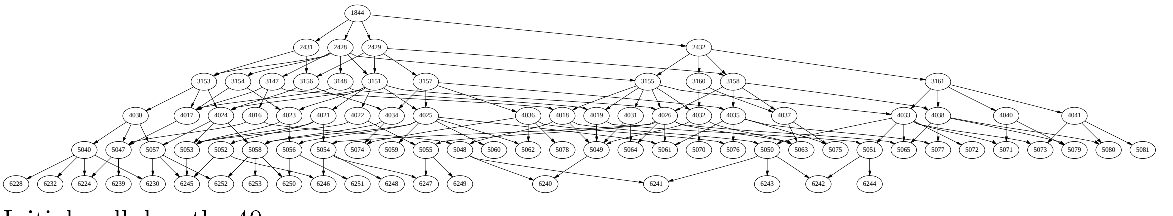
Neighborhoods

k	avg size	avg clustering
1	3.7	1
2	8.8	1.2
3	16.8	1.4
4	28.1	1.5

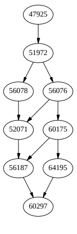
Visualization of some parts of the state state space:
Initial walk length: 0



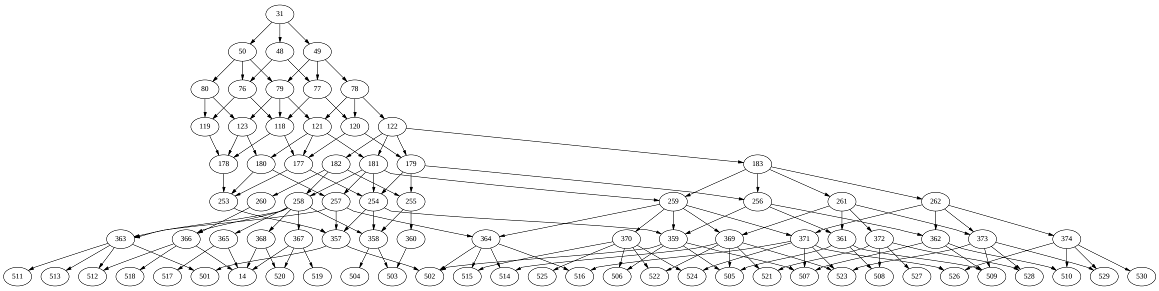
Initial walk length: 20



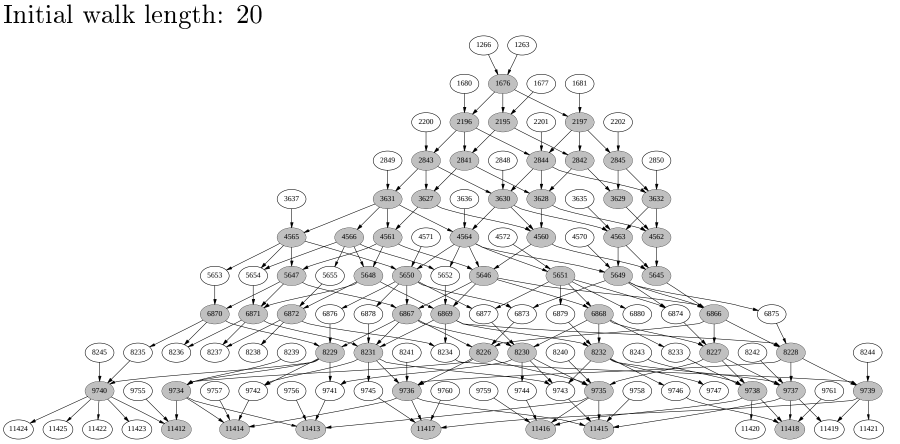
Initial walk length: 40



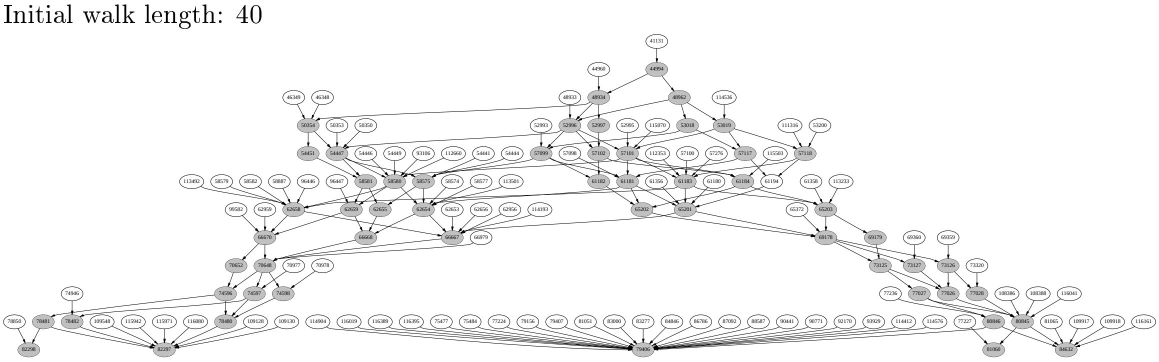
Initial walk length: 60



Initial walk length: 20



Initial walk length: 40



Initial walk length: 60