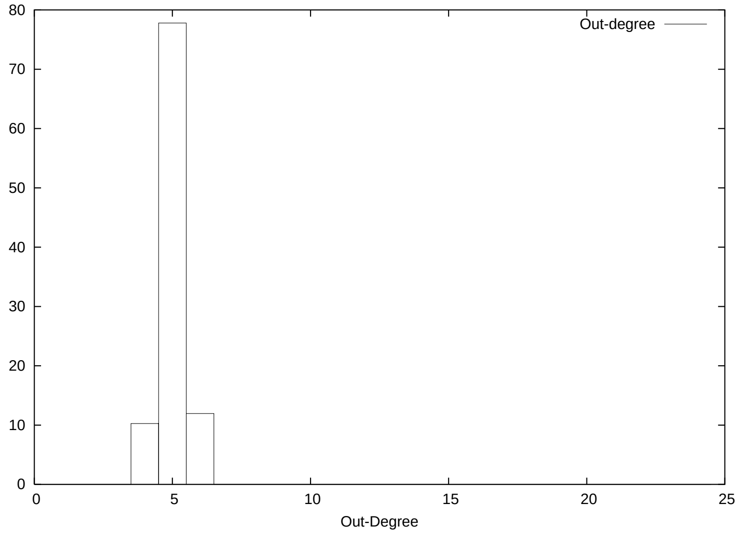
Graph: cadp/vasy_10_56

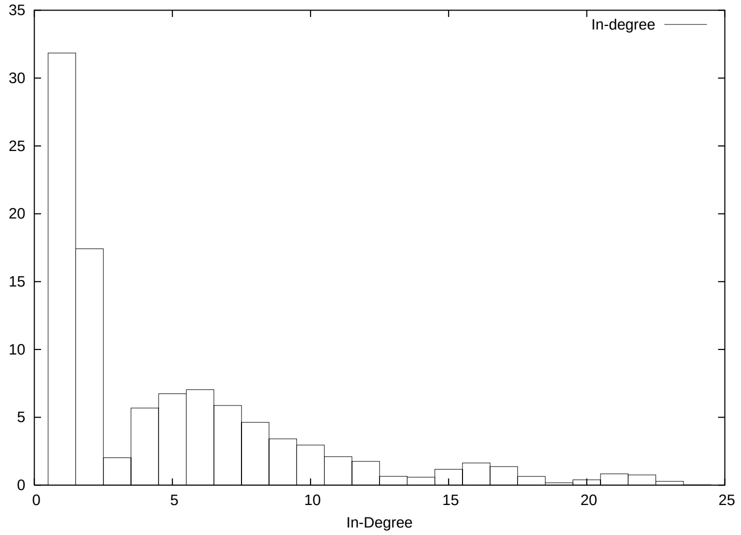
General Info

Example title	VLTS benchmark suite
Parameter	
Reduction	
Modification	
States	10,849
Edges	54,428
Average degree	5

Out-Degrees distribution:



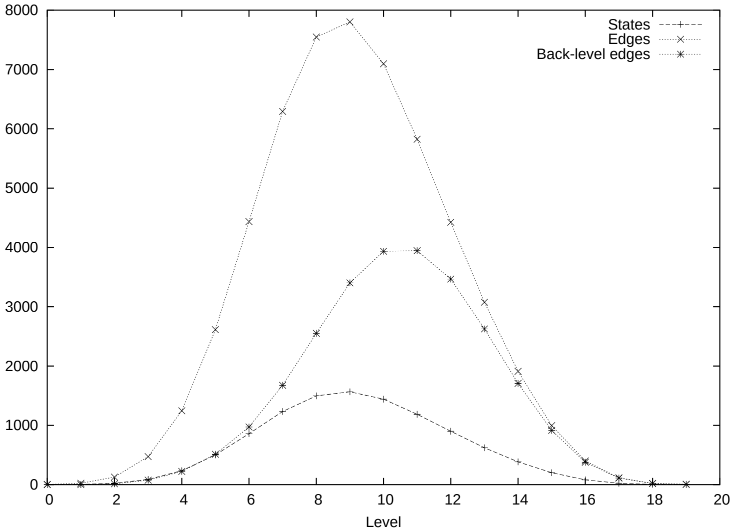
In-Degrees distribution:



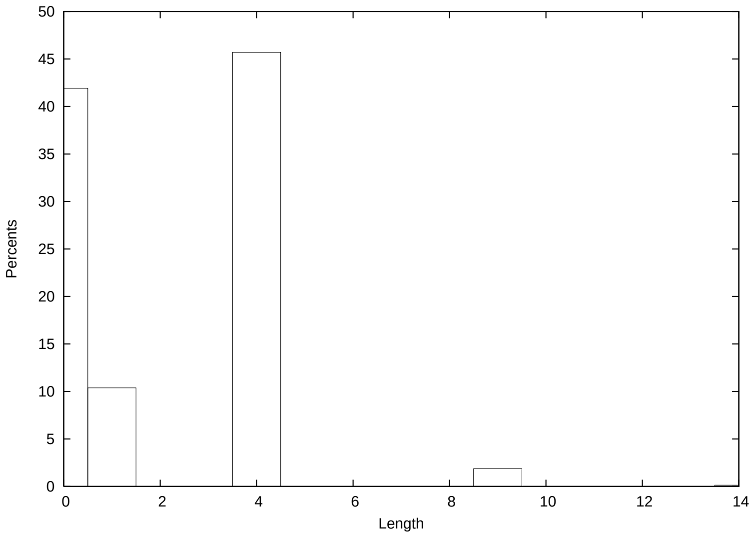
BFS Info

BFS height	19
BFS width	1,565 (14.4%)
Back level edges	26,534 (48.7%)

BFS level info:



Back level edges lengths:



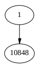
SCC Info

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
10,848	1	99.9%
1	1	0%

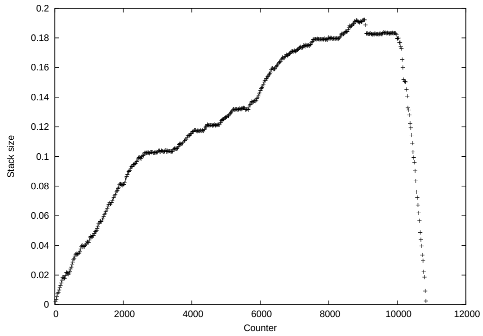
SCC component graph (part):



DFS Info

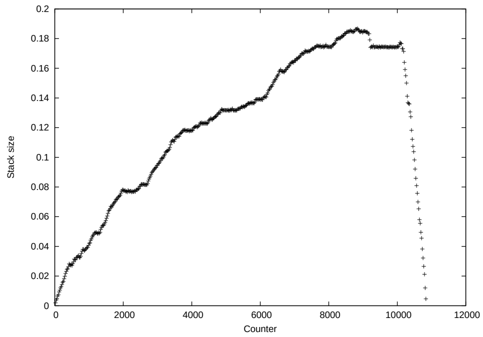
Run 0

front-edges : back-edges : cross-edges = 10,848 : 11,180 : 32,400 = 19.9%:20.5%:59.5%
Max. stack size: 2,090 (19.2%)
Shortest cycle detected: 2
Most often detected lengths of cycles: 2 (1056), 3 (371), 6 (165), 4 (125), 7 (111)
Stack graph:



Run 1

front-edges : back-edges : cross-edges = 10,848 : 10,904 : 32,676 = 19.9%:20%:60%
Max. stack size: 2,030 (18.7%)
Shortest cycle detected: 2
Most often detected lengths of cycles: 2 (1041), 3 (387), 6 (159), 4 (123), 5 (108)
Stack graph:



Local Structure

Short cycles(up to 6)

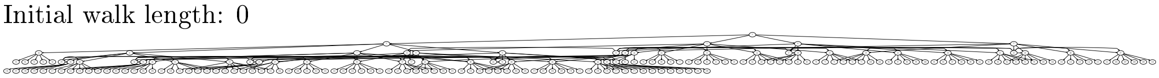
2	2,056	(18.9%)
3	0	(0%)
4	0	(0%)
5	640	(5.8%)
6	468	(4.3%)

Diamonds
9,353 (86.2%)

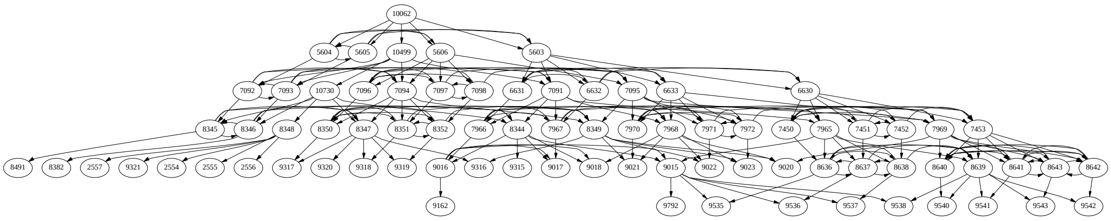
Neighborhoods

k	avg size	avg clustering
1	6	1
2	23.3	1.3
3	62.5	1.9
4	129.2	2.5

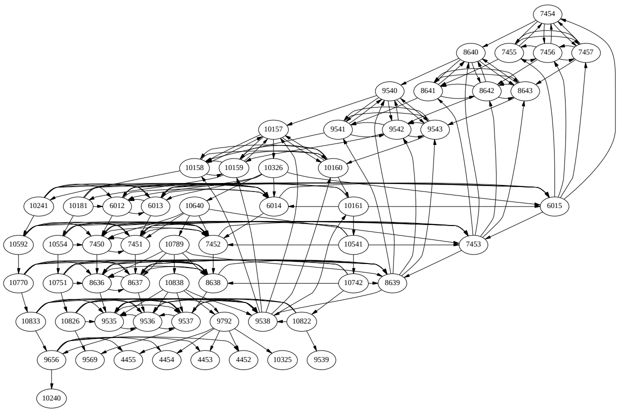
Visualization of some parts of the state state space:
Initial walk length: 0



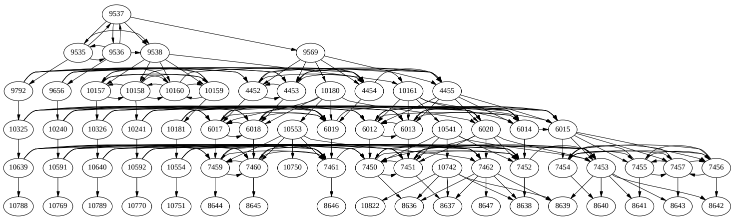
Initial walk length: 20



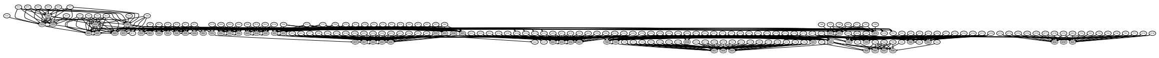
Initial walk length: 40



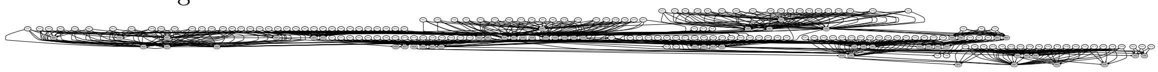
Initial walk length: 60



Initial walk length: 20



Initial walk length: 40



Initial walk length: 60