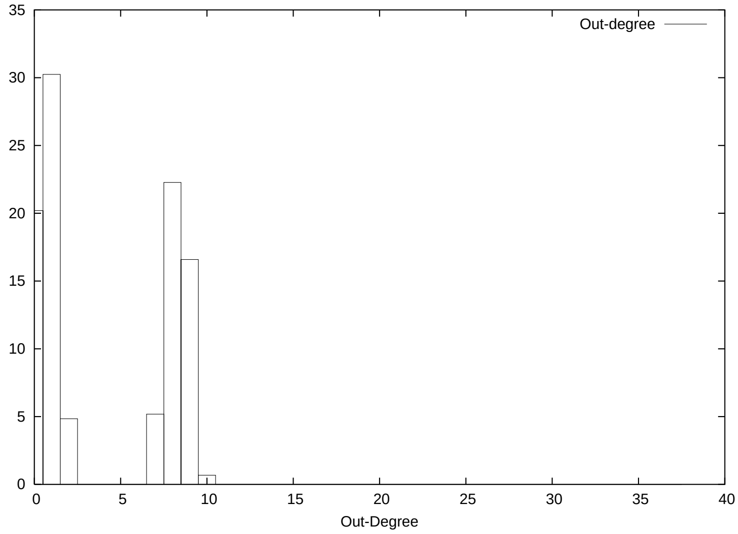
Graph: cadp/vasy_8_38

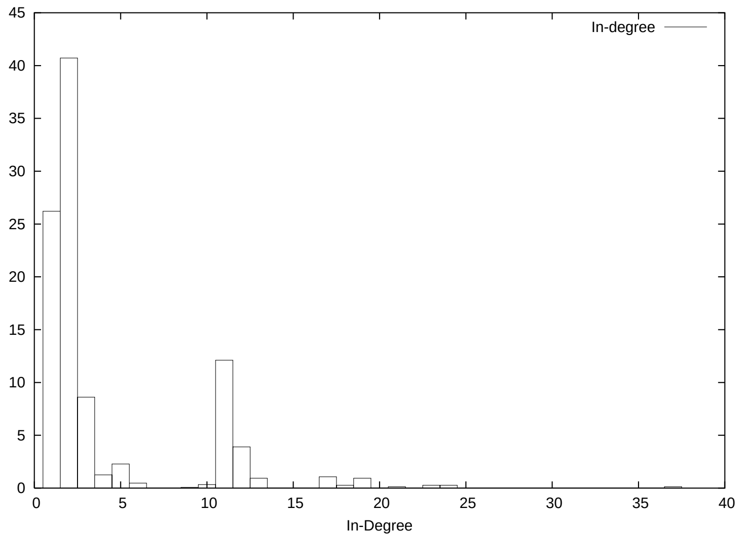
General Info

Example title	VLTS benchmark suite
Parameter	
Reduction	
Modification	
States	8,921
Edges	36,612
Average degree	4.1

Out-Degrees distribution:



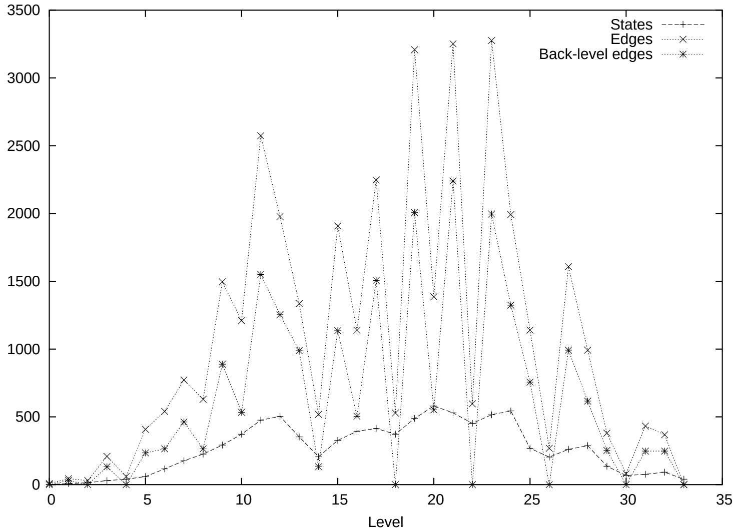
In-Degrees distribution:



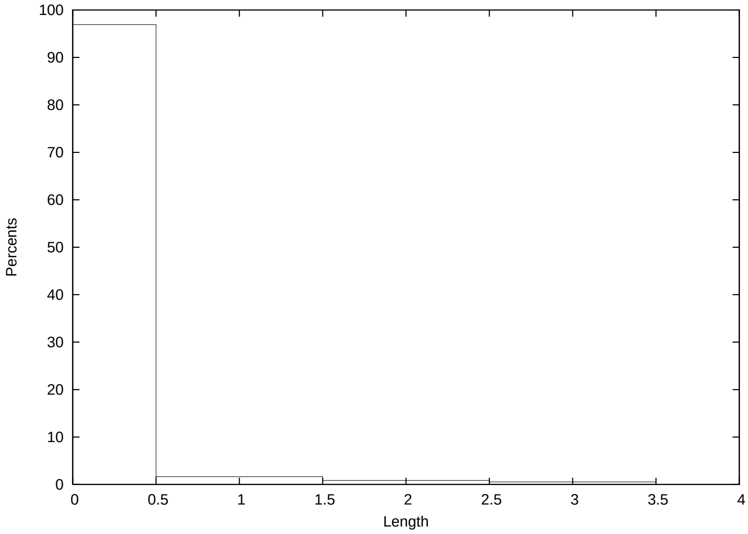
BFS Info

BFS height	33
BFS width	580 (6.5%)
Back level edges	21,108 (57.6%)

BFS level info:



Back level edges lengths:



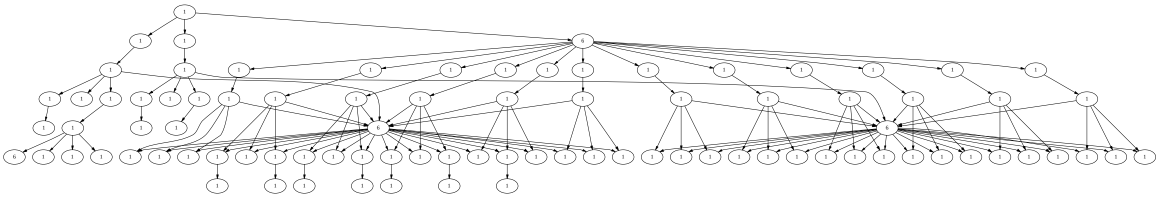
SCC Info

SCC components	7,412
SCC quetient height	48
SCC quetient nontrivial height	33
Number of terminal components	1,802
The largest component is	intermediate

Statistics according to **sizes**:

Size	Number of components	Number of states here
6	301	20.2%
3	2	0%
1	7,109	79.6%

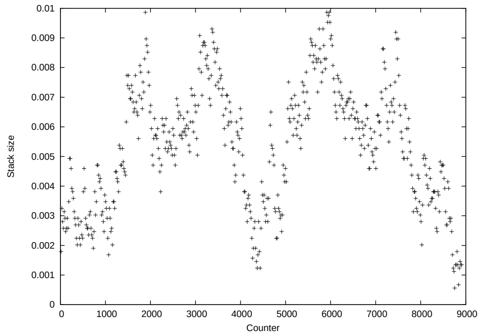
SCC component graph (part):



DFS Info

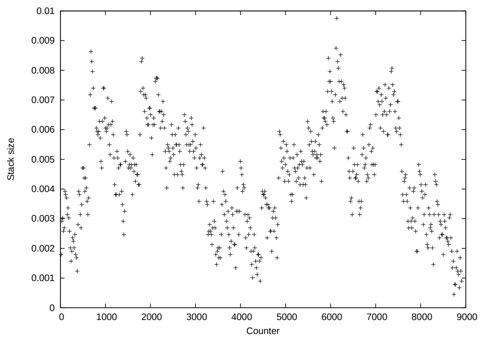
Run 0

front-edges : back-edges : cross-edges = 8,920 : 4,521 : 23,171 = 24.3%:12.3%:63.2%
Max. stack size: 93 (1%)
Shortest cycle detected: 2
Most often detected lengths of cycles: 2 (1509), 3 (1206), 4 (903), 5 (602), 6 (301)
Stack graph:



Run 1

front-edges : back-edges : cross-edges = 8,920 : 4,521 : 23,171 = 24.3%:12.3%:63.2%
Max. stack size: 87 (0.9%)
Shortest cycle detected: 2
Most often detected lengths of cycles: 2 (1509), 3 (1206), 4 (903), 5 (602), 6 (301)
Stack graph:



Local Structure

Short cycles(up to 6)

2	1,812	(20.3%)

Diamonds

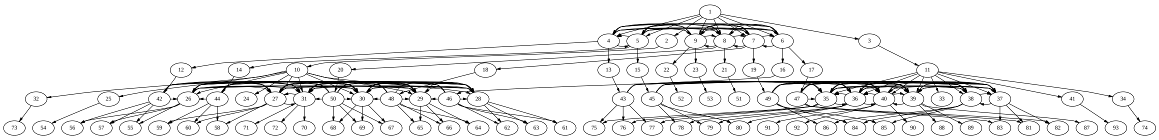
4,421 (49.5%)

Neighborhoods

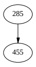
k	avg size	avg clustering
1	5.1	1
2	13.9	1.6
3	24.2	1.8
4	34.6	2.1

Visualization of some parts of the state state space:

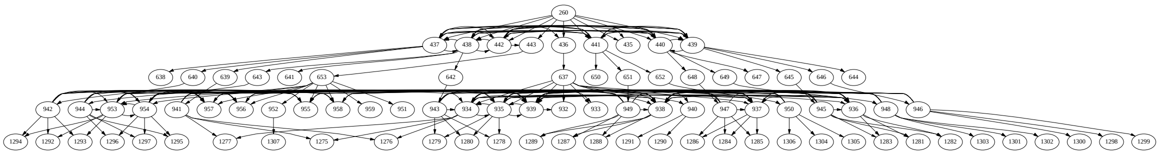
Initial walk length: 0



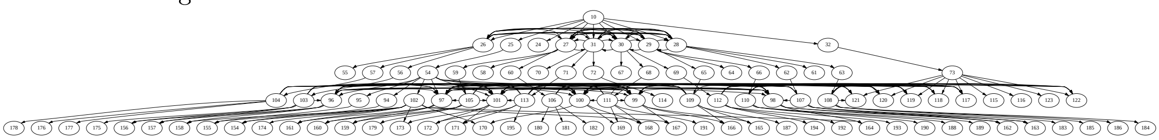
Initial walk length: 20



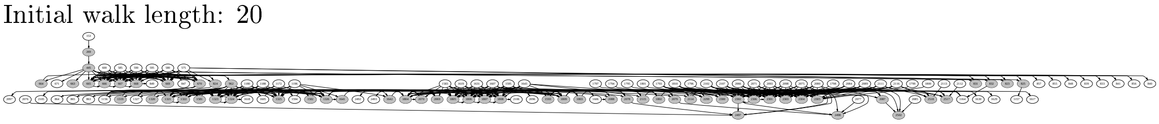
Initial walk length: 40



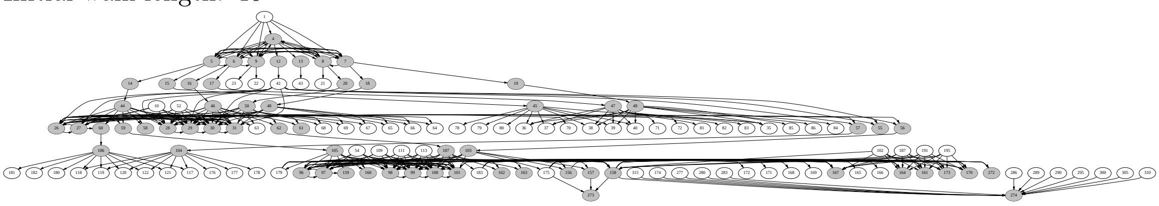
Initial walk length: 60



Initial walk length: 20



Initial walk length: 40



Initial walk length: 60