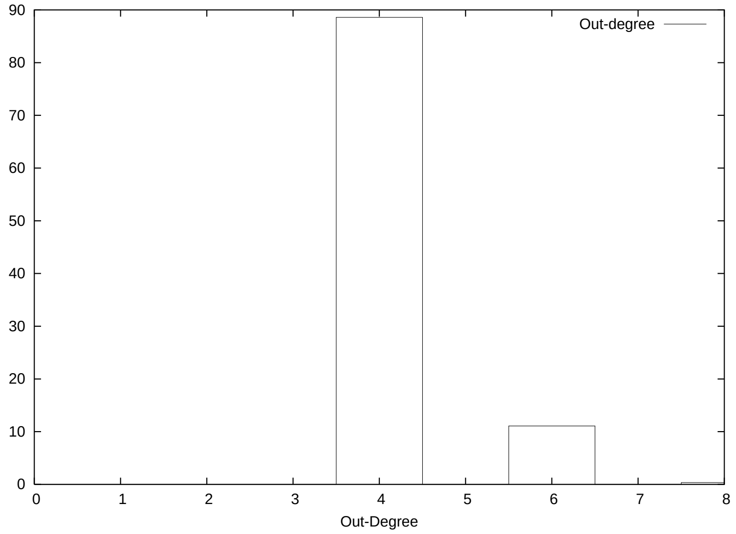
Graph: cadp/vasy_0_1

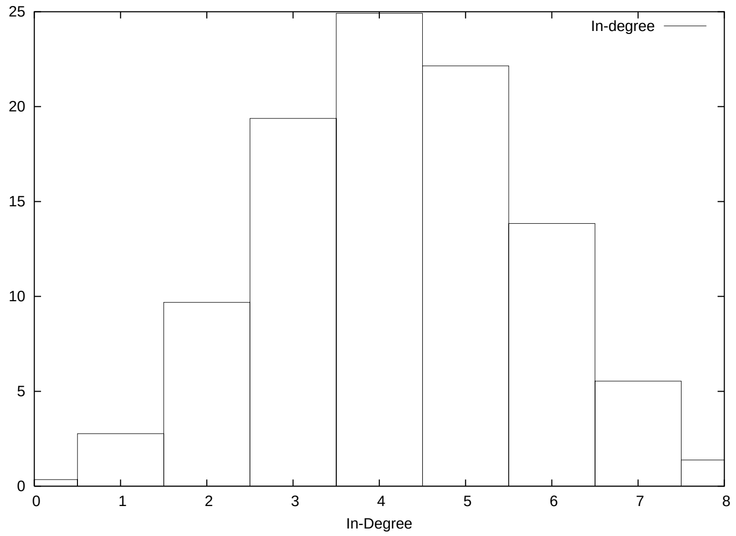
General Info

Example title	VLTS benchmark suite
Parameter	
Reduction	
Modification	
States	289
Edges	1,224
Average degree	4.2

Out-Degrees distribution:



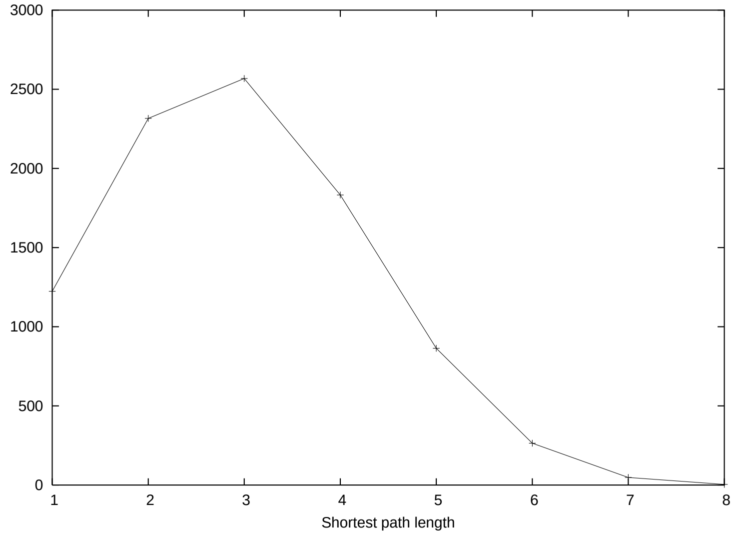
In-Degrees distribution:



Shortest Paths Info

Diameter: 8
Average shortest path length: 2.97807

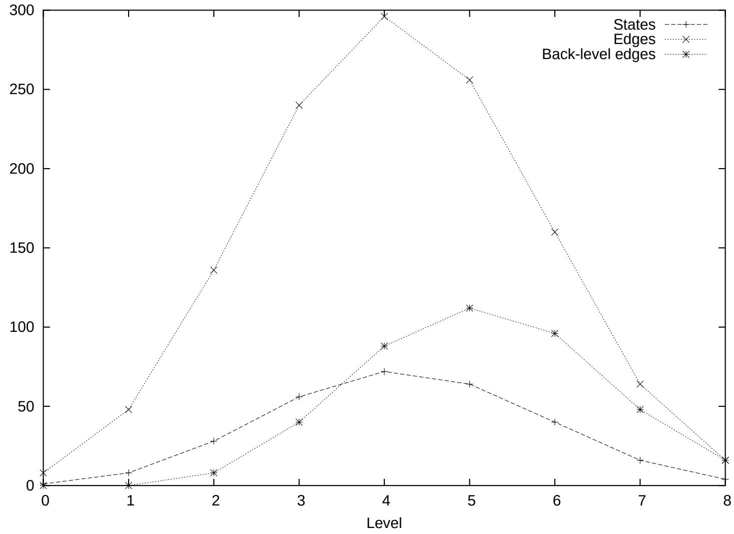
Shortest paths lengths frequencies:



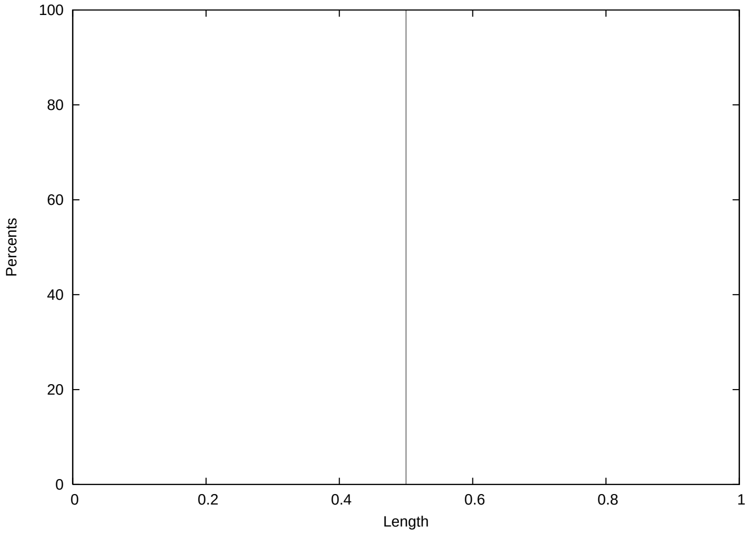
BFS Info

BFS height	8
BFS width	72 (24.9%)
Back level edges	408 (33.3%)

BFS level info:



Back level edges lengths:



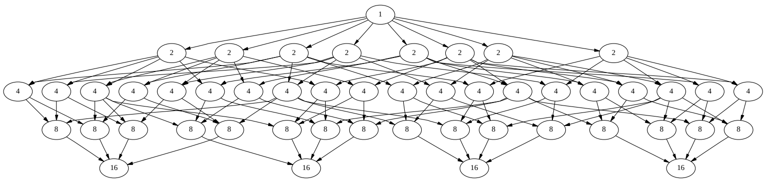
SCC Info

SCC components	49
SCC quetient height	4
SCC quetient nontrivial height	4
Number of terminal components	4
The largest component is	terminal

Statistics according to **sizes**:

Size	Number of components	Number of states here
16	4	22.1%
8	16	44.2%
4	20	27.6%
2	8	5.5%
1	1	0.3%

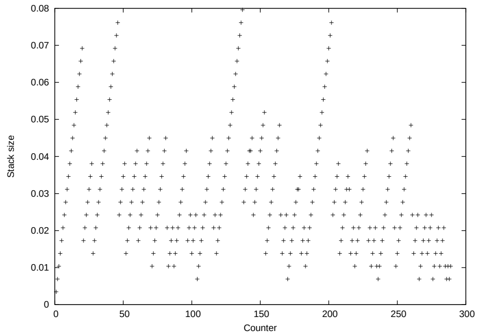
SCC component graph (part):



DFS Info

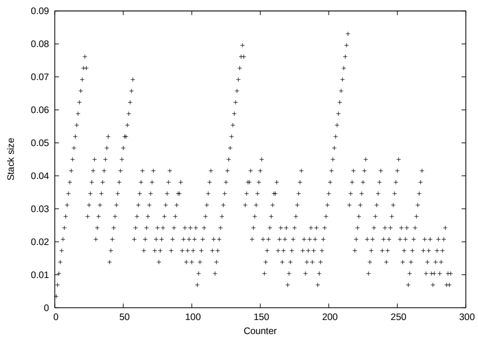
Run 0

front-edges : back-edges : cross-edges = 288 : 408 : 528 = 23.5%:33.3%:43.1%
Max. stack size: 23 (7.9%)
Shortest cycle detected: 2
Most often detected lengths of cycles: 2 (240), 4 (73), 6 (43), 8 (24), 10 (11)
Stack graph:



Run 1

front-edges : back-edges : cross-edges = 288 : 408 : 528 = 23.5%:33.3%:43.1%
Max. stack size: 24 (8.3%)
Shortest cycle detected: 2
Most often detected lengths of cycles: 2 (240), 4 (68), 6 (48), 8 (26), 10 (10)
Stack graph:



Local Structure

Short cycles(up to 6)

2	288	(99.6%)

Diamonds

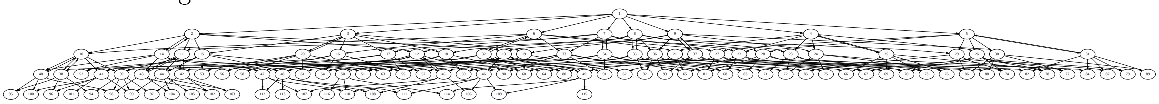
289 (100%)

Neighborhoods

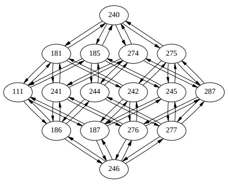
k	avg size	avg clustering
1	5.2	1
2	13.2	1.7
3	22.1	2.6
4	28.4	3.4

Visualization of some parts of the state state space:

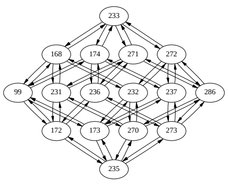
Initial walk length: 0



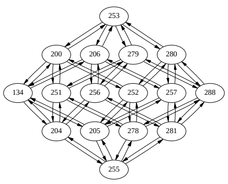
Initial walk length: 20



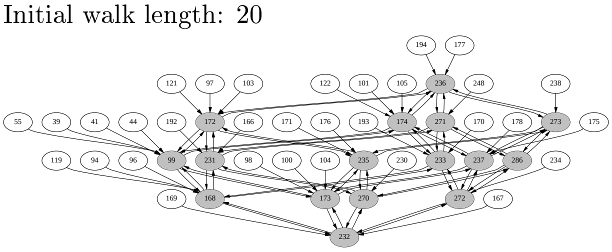
Initial walk length: 40



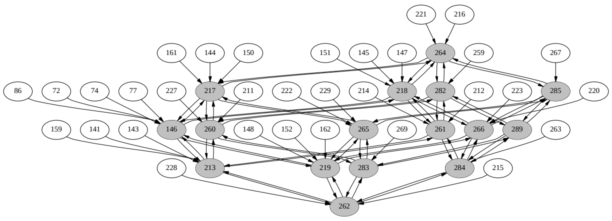
Initial walk length: 60



Initial walk length: 20



Initial walk length: 40



Initial walk length: 60