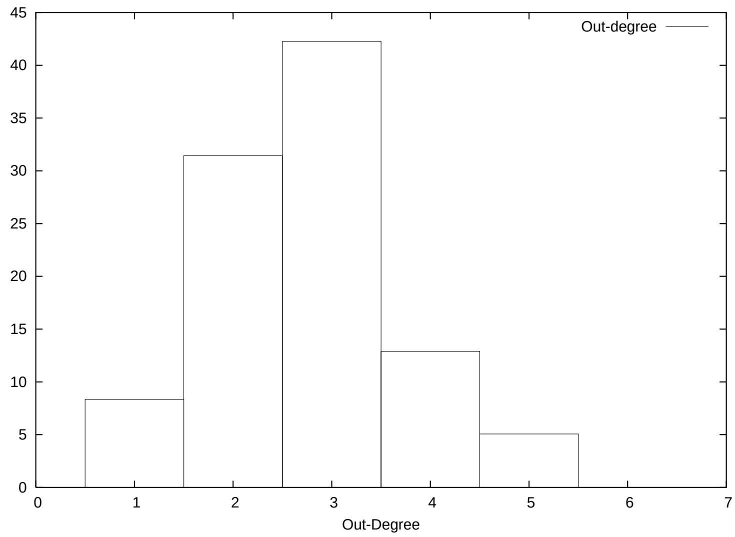
Graph: cadp/vasy_8_24

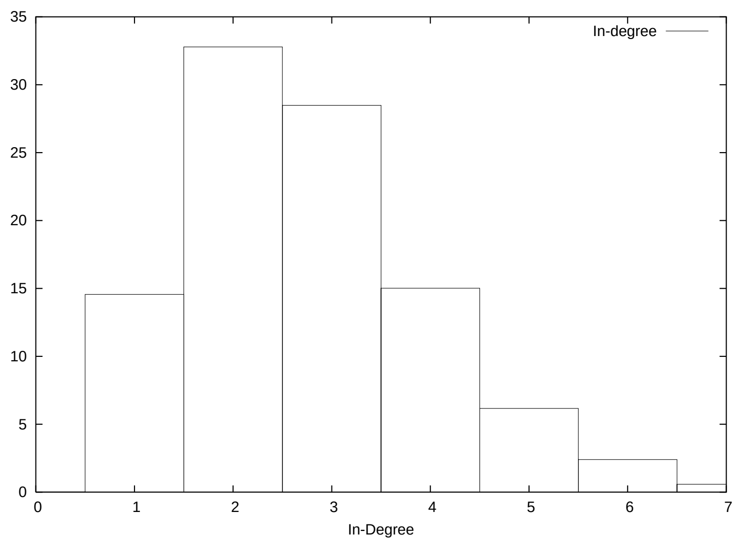
General Info

Example title	VLTS benchmark suite
Parameter	
Reduction	
Modification	
States	8,879
Edges	24,411
Average degree	2.7

Out-Degrees distribution:



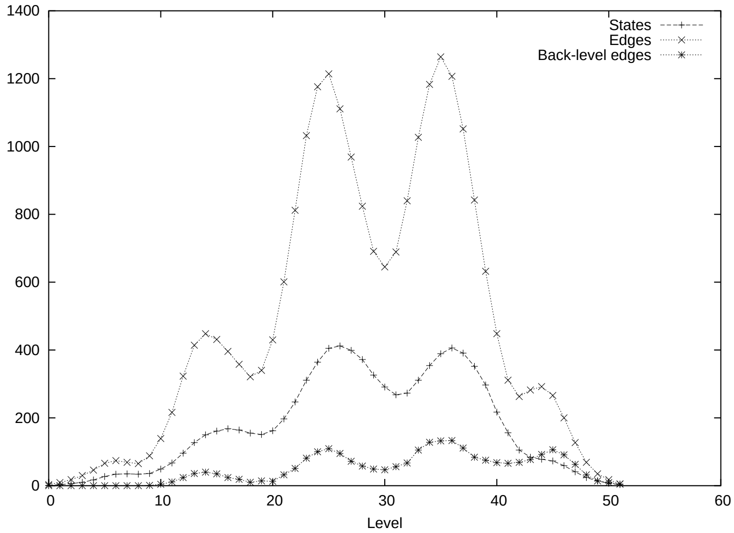
In-Degrees distribution:



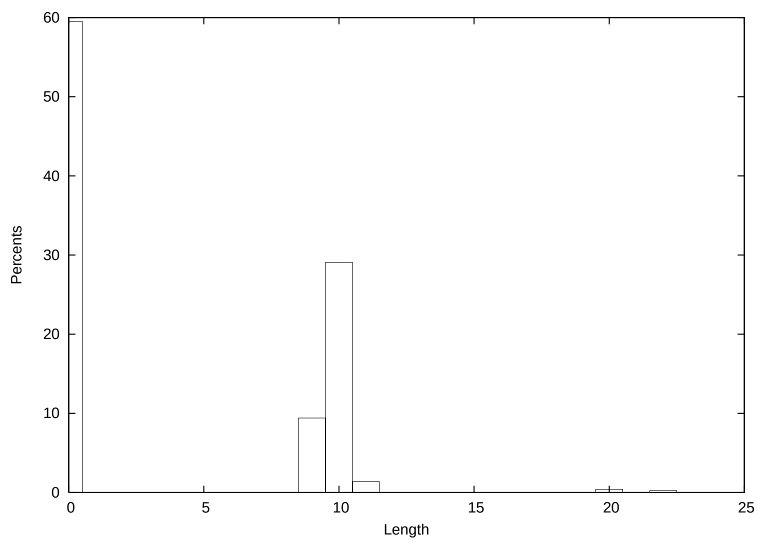
BFS Info

BFS height	51
BFS width	412 (4.6%)
Back level edges	2,508 (10.2%)

BFS level info:



Back level edges lengths:



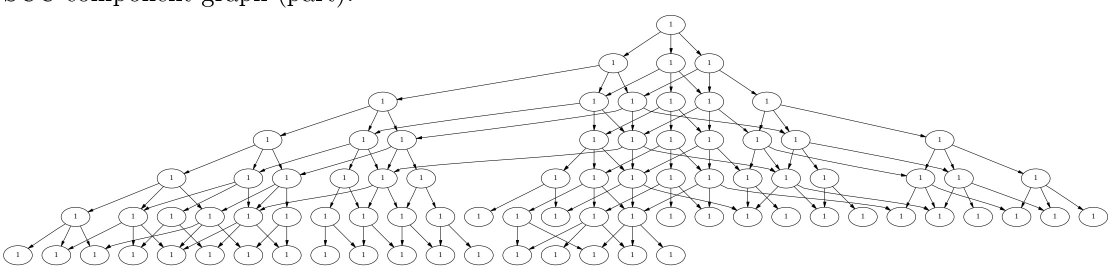
SCC Info

SCC components	2,197
SCC quetient height	49
SCC quetient nontrivial height	12
Number of terminal components	1
The largest component is	the only terminal

Statistics according to **sizes**:

Size	Number of components	Number of states here
2,184	1	24.5%
2,151	1	24.2%
382	1	4.3%
313	1	3.5%
264	1	2.9%
231	2	5.2%
185	2	4.1%
168	1	1.8%
101	1	1.1%
40	3	1.3%
19	1	0.2%
18	3	0.6%
17	7	1.3%
1	2,172	24.4%

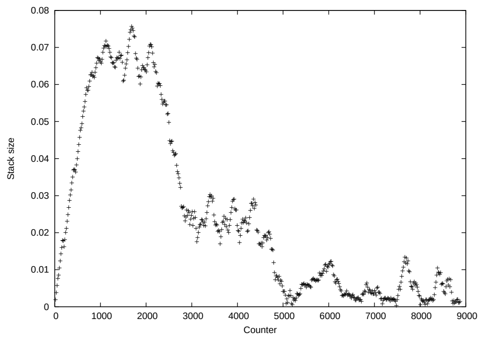
SCC component graph (part):



DFS Info

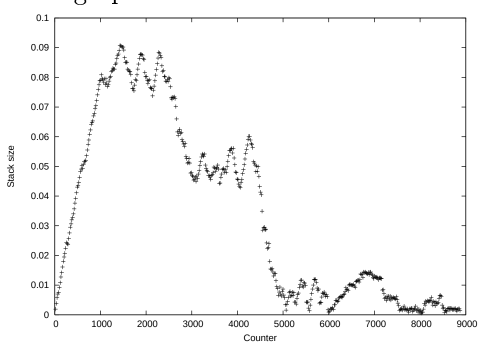
Run 0

front-edges : back-edges : cross-edges = 8,878 : 1,195 : 14,338 = 36.3%:4.8%:58.7%
Max. stack size: 678 (7.6%)
Shortest cycle detected: 10
Most often detected lengths of cycles: 22 (110), 11 (97), 33 (91), 10 (87), 23 (85)
Stack graph:



Run 1

front-edges : back-edges : cross-edges = 8,878 : 1,447 : 14,086 = 36.3%:5.9%:57.7%
Max. stack size: 808 (9.1%)
Shortest cycle detected: 10
Most often detected lengths of cycles: 22 (122), 11 (105), 33 (101), 23 (89), 34 (84)
Stack graph:



Local Structure

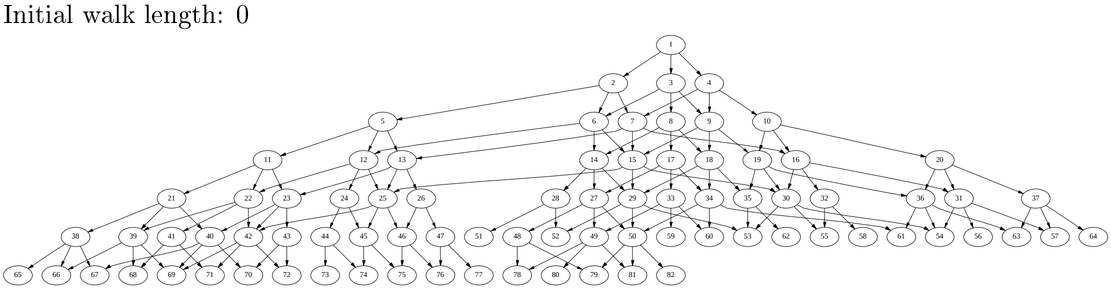
Short cycles(up to 6)
none
Diamonds

7,793 (87.7%)

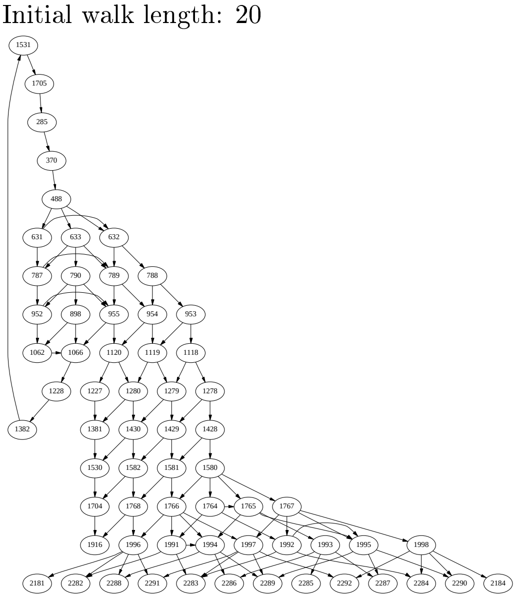
Neighborhoods

k	avg size	avg clustering
1	3.7	1
2	8.6	1.2
3	15.6	1.4
4	24.9	1.5

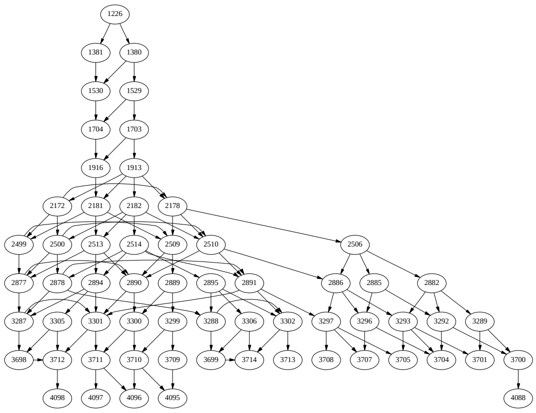
Visualization of some parts of the state state space:
Initial walk length: 0



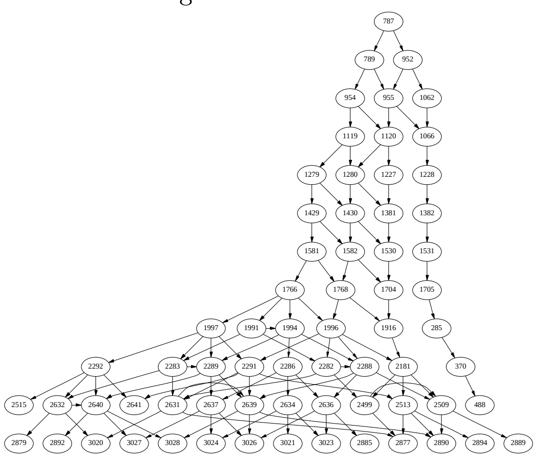
Initial walk length: 20



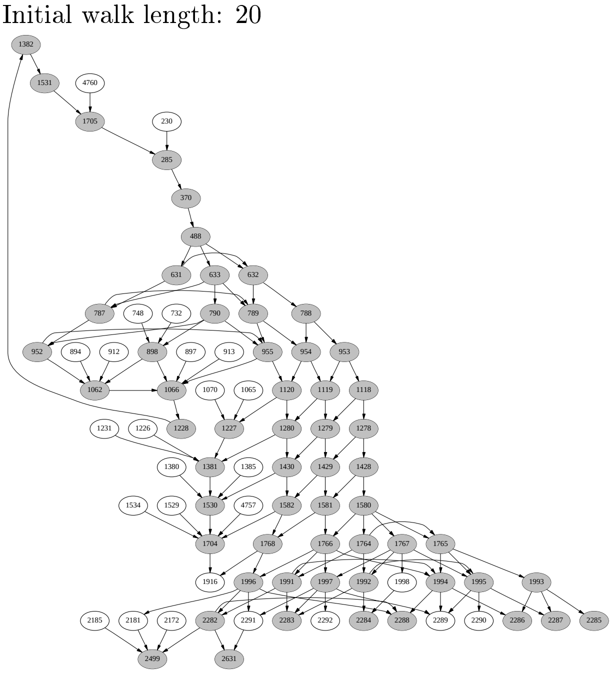
Initial walk length: 40



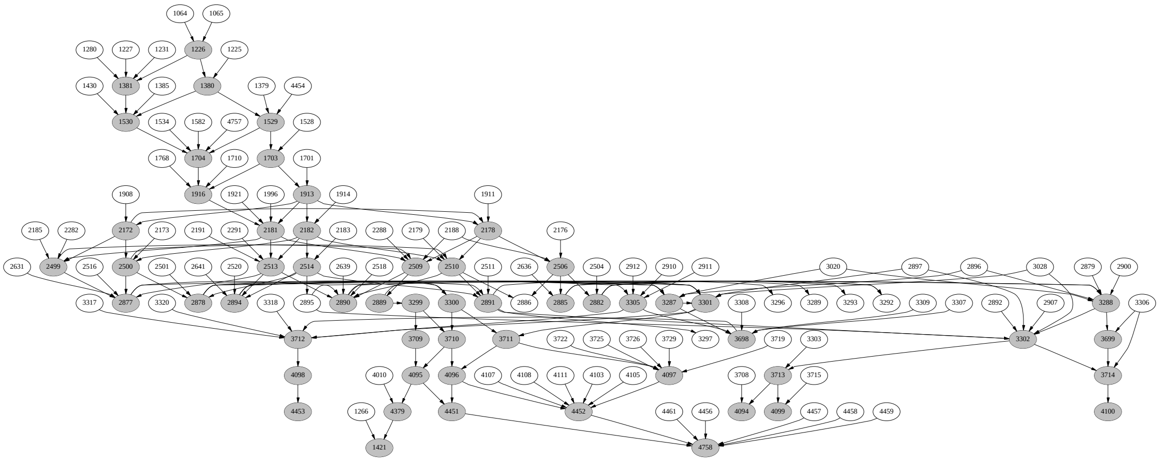
Initial walk length: 60



Initial walk length: 20



Initial walk length: 40



Initial walk length: 60