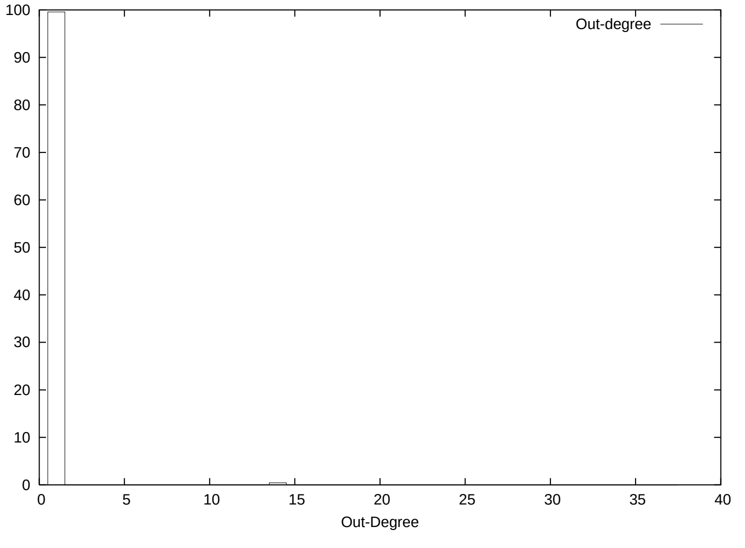
Graph: spin/fgs

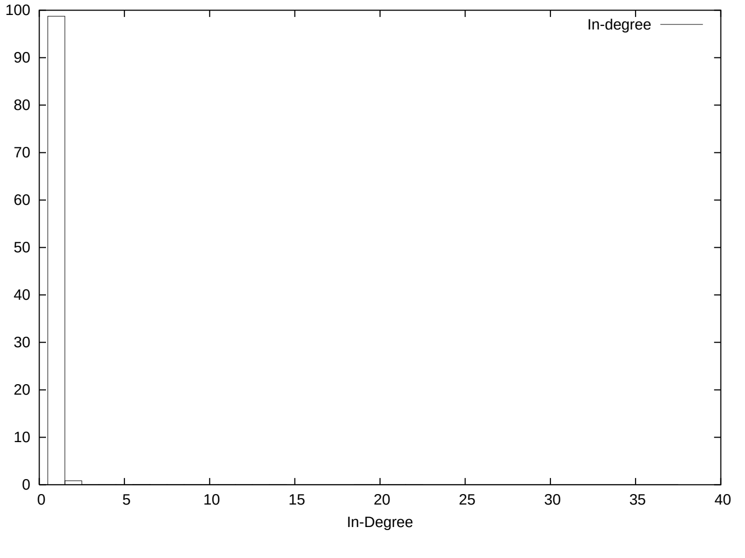
General Info

Example title	Flight Guidance System
Parameter	
Reduction	
Modification	
States	57,786
Edges	60,932
Average degree	1

Out-Degrees distribution:



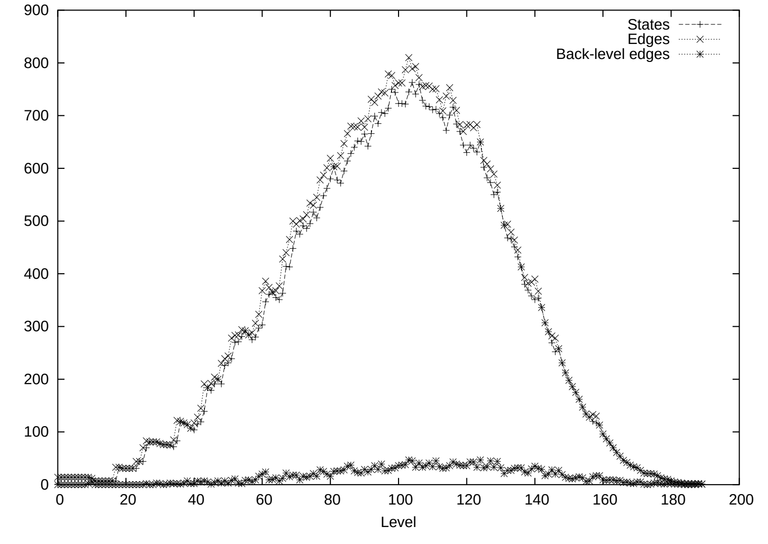
In-Degrees distribution:



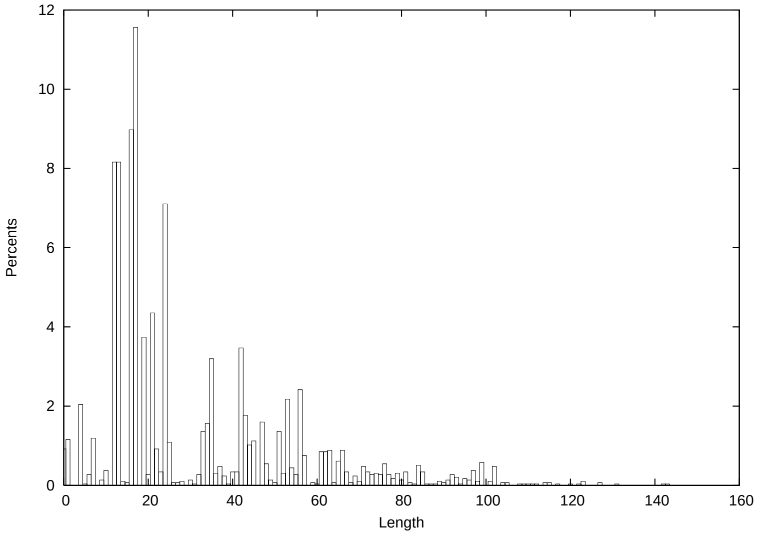
BFS Info

BFS height	189
BFS width	763 (1.3%)
Back level edges	2,941 (4.8%)

BFS level info:



Back level edges lengths:



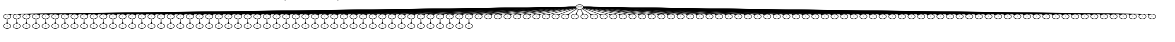
SCC Info

SCC components	2,114
SCC quetient height	20
SCC quetient nontrivial height	2
Number of terminal components	1
The largest component is	the only terminal

Statistics according to **sizes**:

Size	Number of components	Number of states here
28,905	1	50%
26,769	1	46.3%
1	2,112	3.6%

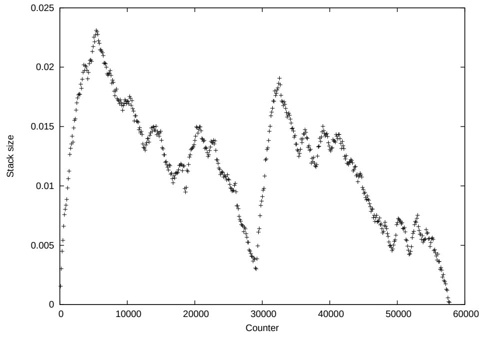
SCC component graph (part):



DFS Info

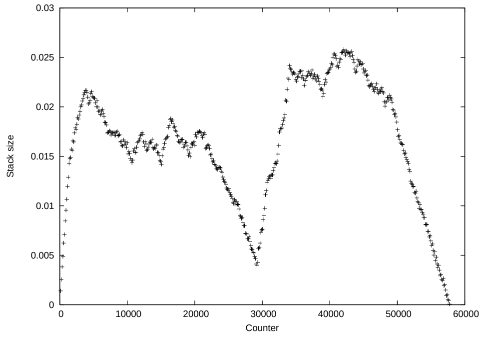
Run 0

front-edges : back-edges : cross-edges = 57,785 : 1,950 : 1,197 = 94.8%:3.2%:1.9%
Max. stack size: 1,349 (2.3%)
Shortest cycle detected: 10
Most often detected lengths of cycles: 14 (240), 18 (216), 13 (204), 22 (128), 17 (114)
Stack graph:



Run 1

front-edges : back-edges : cross-edges = 57,785 : 2,074 : 1,073 = 94.8%:3.4%:1.7%
Max. stack size: 1,508 (2.6%)
Shortest cycle detected: 10
Most often detected lengths of cycles: 14 (240), 18 (216), 13 (170), 22 (128), 17 (120)
Stack graph:



Local Structure

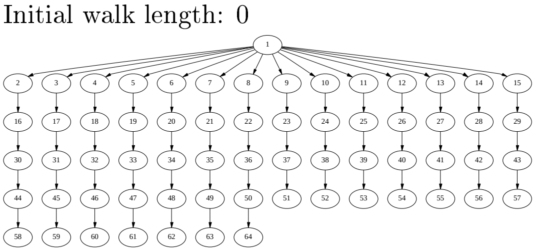
Short cycles(up to 6)
none
Diamonds

0 (0%)

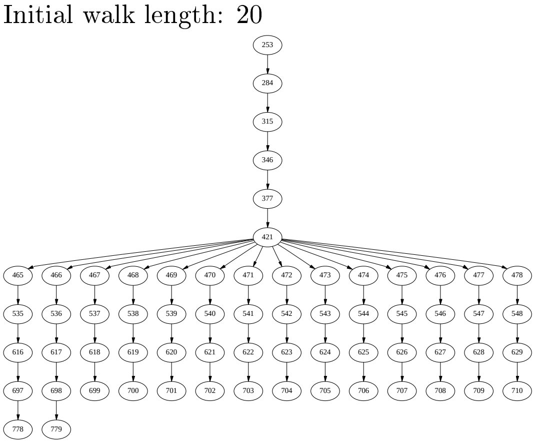
Neighborhoods

k	avg size	avg clustering
1	2	1
2	3.7	1
3	6.1	1
4	9.1	1

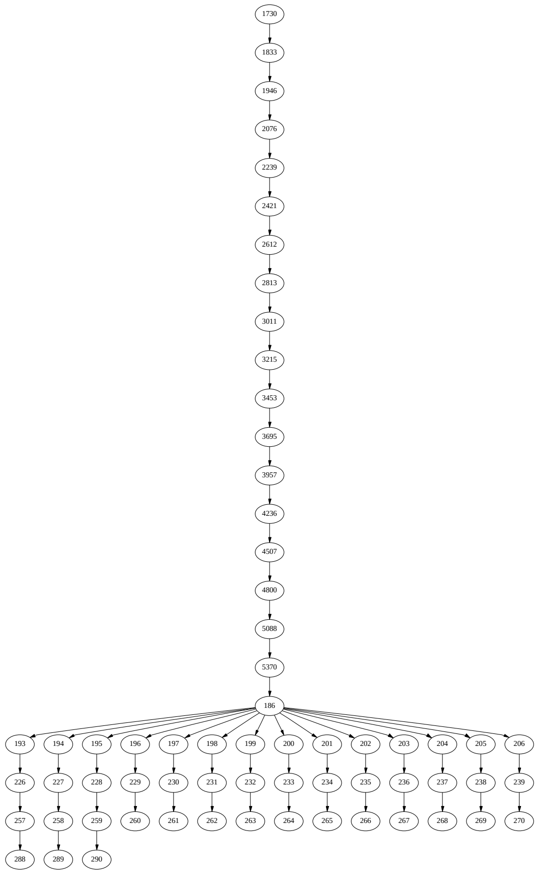
Visualization of some parts of the state state space:
Initial walk length: 0



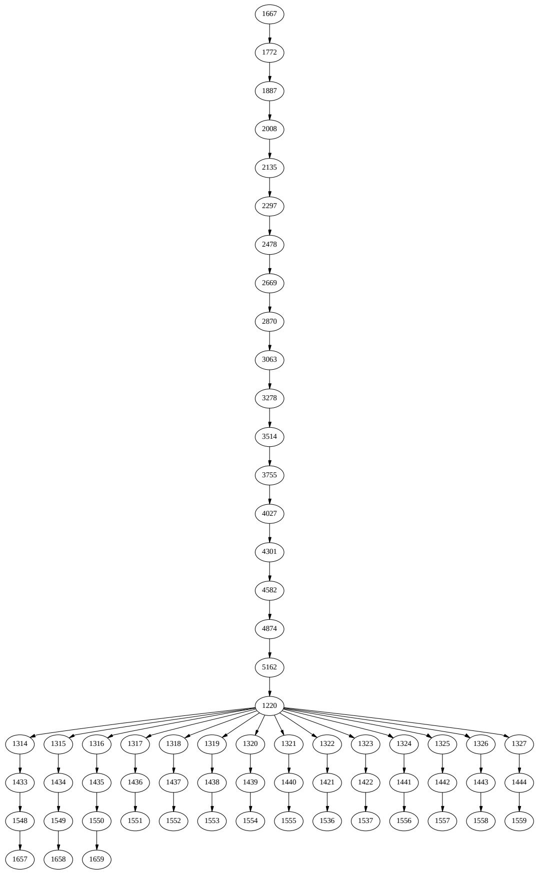
Initial walk length: 20



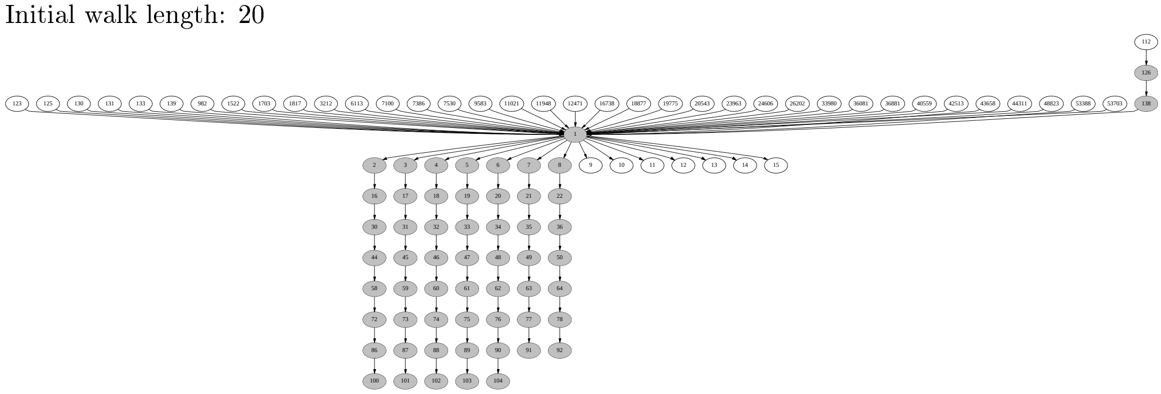
Initial walk length: 40



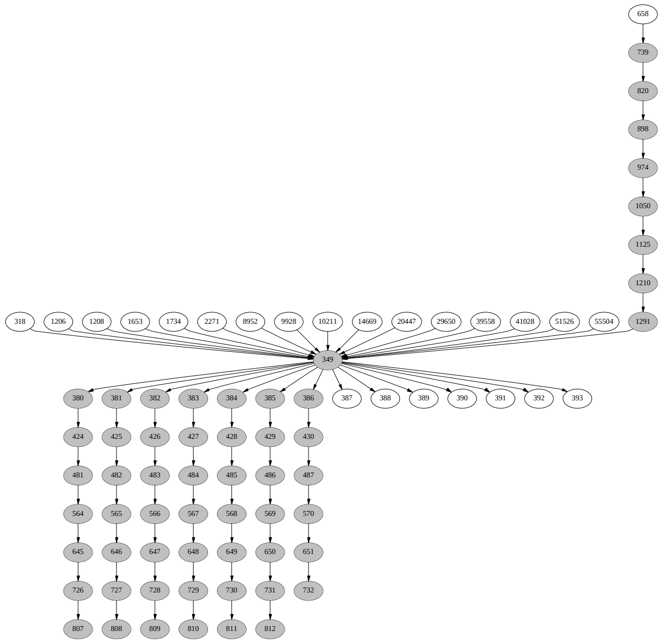
Initial walk length: 60



Initial walk length: 20



Initial walk length: 40



Initial walk length: 60