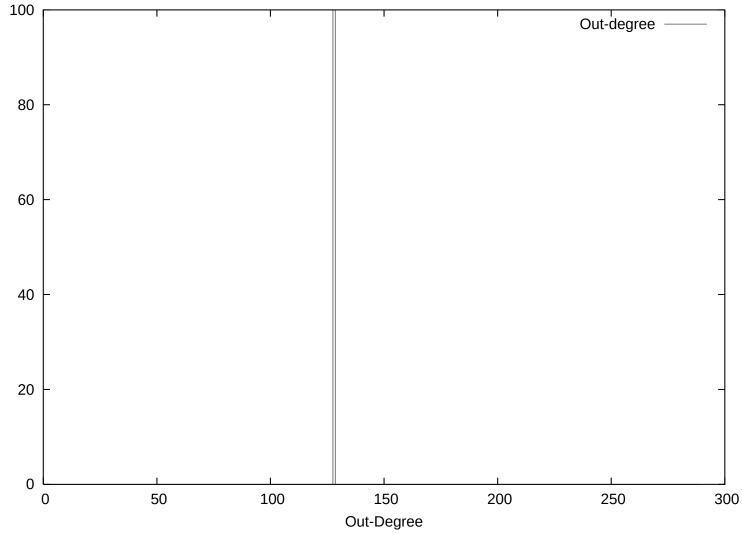
Graph: nusmv/snoopy-fake

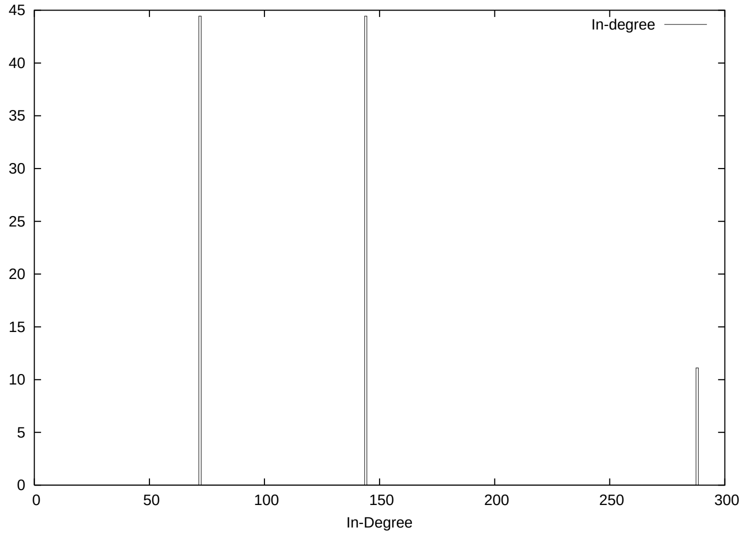
General Info

Example title	Snoopy cache
Parameter	
Reduction	
Modification	
States	288
Edges	36,864
Average degree	128

Out-Degrees distribution:



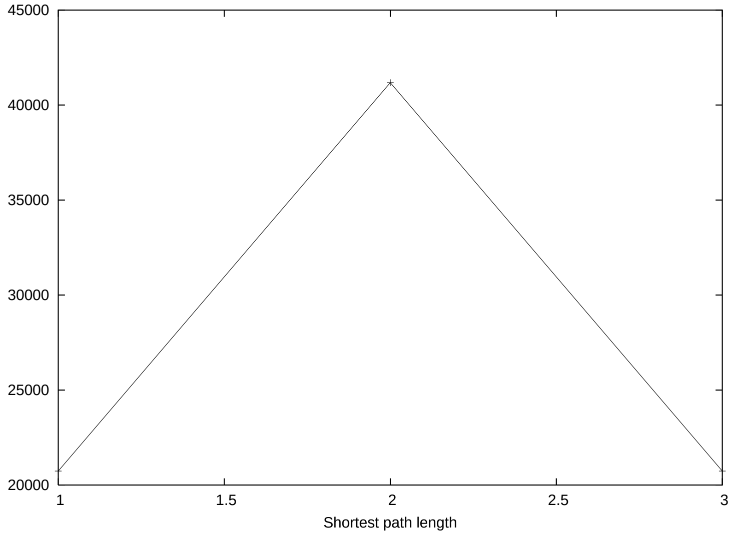
In-Degrees distribution:



Shortest Paths Info

Diameter: 3
Average shortest path length: 2

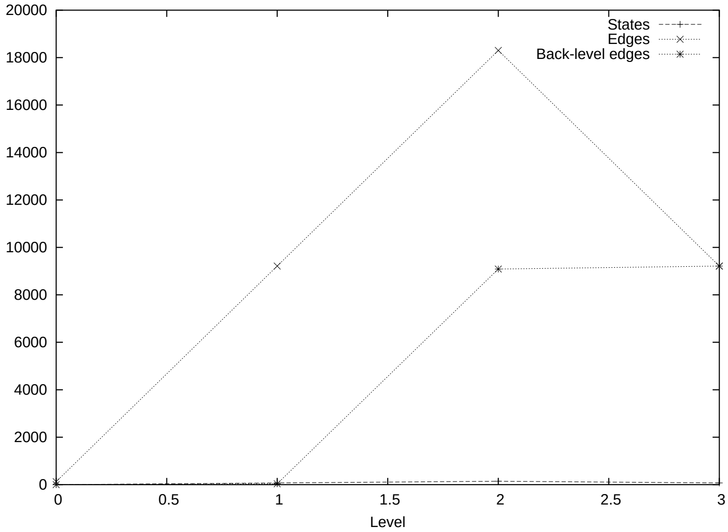
Shortest paths lengths frequencies:



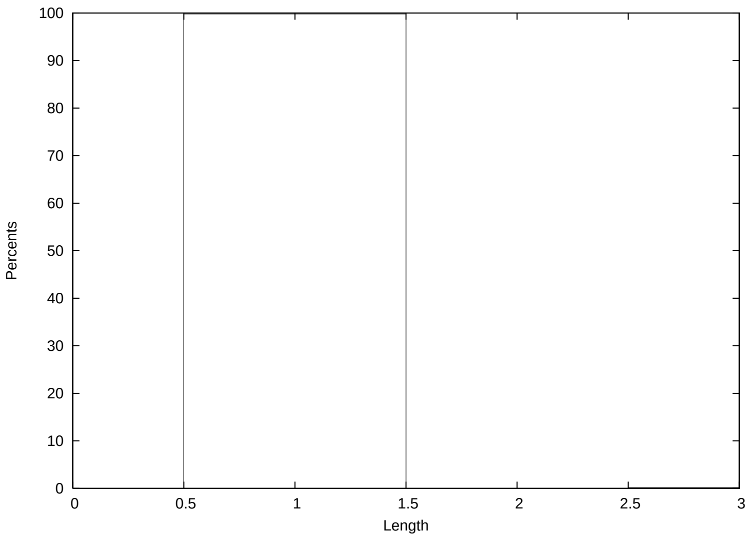
BFS Info

BFS height	3
BFS width	143 (49.6%)
Back level edges	18,340 (49.7%)

BFS level info:



Back level edges lengths:



SCC Info

SCC components	1
SCC quetient height	0
SCC quetient nontrivial height	0
Number of terminal components	1
The largest component is	initial the only terminal

Statistics according to **sizes**:

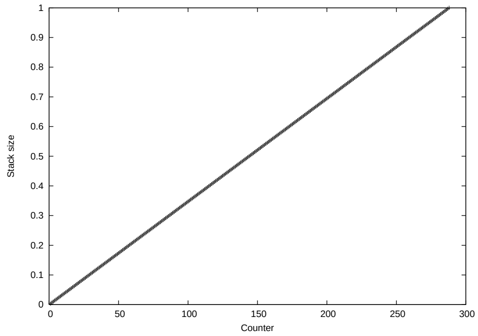
Size	Number of components	Number of states here
288	1	100%

SCC component graph (part):

DFS Info

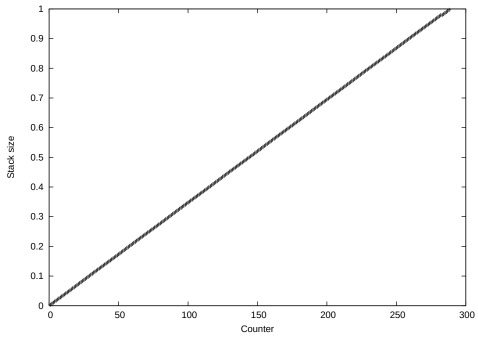
Run 0

front-edges : back-edges : cross-edges = 287 : 20,248 : 16,329 = 0.7%:54.9%:44.2%
Max. stack size: 288 (100%)
Shortest cycle detected: 2
Most often detected lengths of cycles: 12 (263), 6 (262), 48 (261), 4 (254), 20 (252)
Stack graph:



Run 1

front-edges : back-edges : cross-edges = 287 : 20,129 : 16,448 = 0.7%:54.6%:44.6%
Max. stack size: 287 (99.6%)
Shortest cycle detected: 2
Most often detected lengths of cycles: 20 (276), 34 (266), 24 (264), 4 (262), 2 (256)
Stack graph:



Local Structure

Short cycles(up to 6)

2	288	(100%)

Diamonds

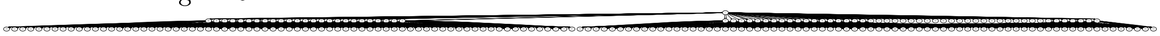
288 (100%)

Neighborhoods

k	avg size	avg clustering
1	73	1.7
2	216	43.4
3	288	96.3
4	288	96.3

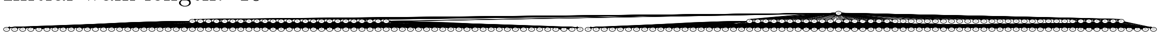
Visualization of some parts of the state state space:

Initial walk length: 0

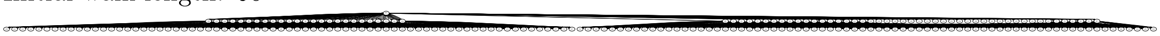


Initial walk length: 20

Initial walk length: 40



Initial walk length: 60



Initial walk length: 20

Initial walk length: 40

Initial walk length: 60