inputs: -1-----1-

110001010
110101111
110111110
states: 20

110001010
110111110
states: 8

110001010
110101111
states: 2

110101111
110111110
states: 20

110001010
states: 64

110111110
states: 8

110101111
states: 6

inputs: -1-----0-

110001000
states: 128

inputs: -0-----0-

001000000
states: 128

inputs: -0-----1-

001000010
001110110
states: 32

001000010
states: 64

001110110
states: 32