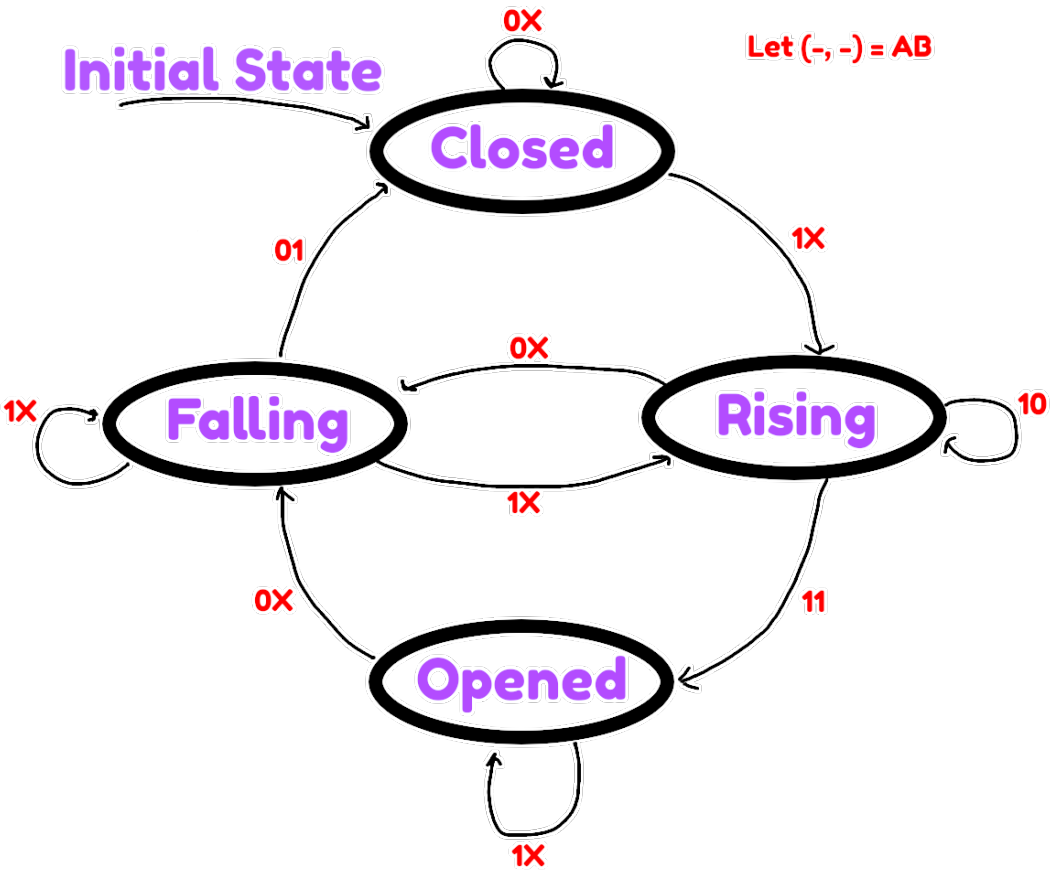
Lab 5



State Table		
Previous State	Input (A, B)	Next State
Closed	(0, X)	Closed
Closed	(1, X)	Rising
Rising	(1, 0)	Rising
Rising	(0, X)	Falling
Rising	(1, 1)	Opened
Opened	(1, X)	Opened
Opened	(0, X)	Falling
Falling	(0, 0)	Falling
Falling	(1, X)	Rising
Falling	(0, 1)	Closed

Closed → 00
Rising → 10
Opened → 11
Falling → 01

Truth Table					
F1	F0	A	B	newF1	newF0
0	0	0	X	0	0
0	0	1	X	1	0
1	0	1	0	1	0
1	0	0	X	0	1
1	0	1	1	1	1
1	1	1	X	1	1
1	1	0	X	0	1
0	1	0	0	0	1
0	1	1	X	1	0
0	1	0	1	0	0

Output Logic			
F1	F0	R	L
0	0	0	0
1	0	1	0
1	1	0	0
0	1	0	1