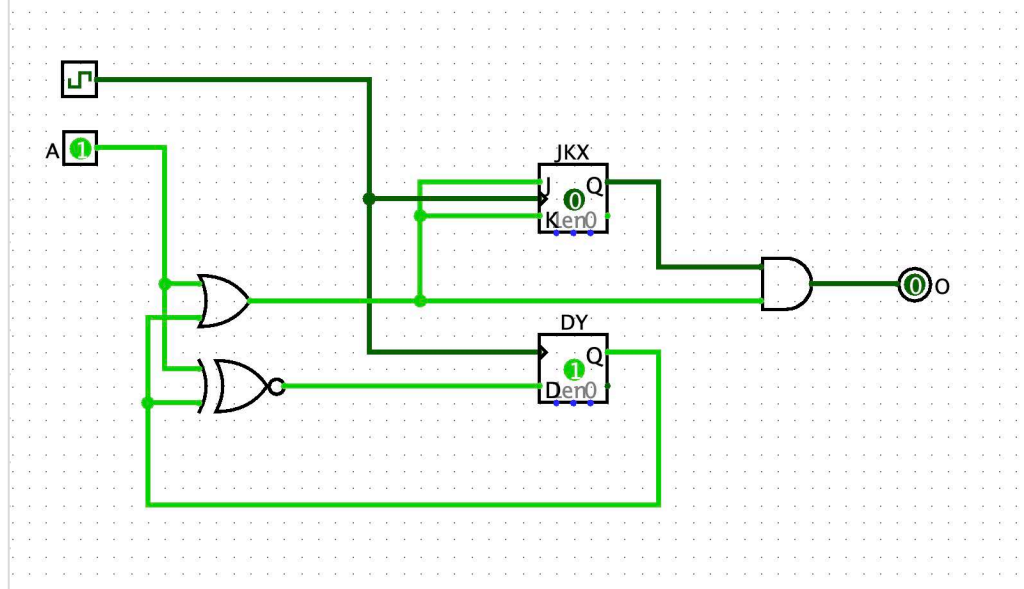


Current State		Input		Next State		JK		D	Out
X	Y	A	X'	Y'	J <sub>x</sub>	K <sub>x</sub>	D <sub>y</sub>	0	
0	0	0	0	1	0	X	1	0	
0	0	1	1	0	1	X	0	0	
0	1	0	1	0	1	X	0	0	
0	1	1	1	1	1	X	1	0	
1	0	0	1	1	X	0	1	0	
1	0	1	0	0	X	1	0	1	
1	1	0	0	0	X	1	0	1	
1	1	1	0	1	X	1	1	1	

$J_x = A + Y$	PERSAMAAN
$K_x = A + Y$	
$D_y = A'Y' + AY = (A \text{ XOR } Y)'$	
$0 = XY + AX = X(A + Y)$	

Spesifikasi:

Counter dengan range 3 yang akan mengeluarkan output 1 jika terjadi overflow (2+2, 3+1, 3+2)



J <sub>x</sub>	A	
XY	0	1
00	0	1
01	1	1
11	x	x
10	x	x
K <sub>x</sub>	A	
XY	0	1
00	x	x
01	x	x
11	1	1
10	0	1
D <sub>y</sub>	A	
XY	0	1
00	1	0
01	0	1
11	0	1
10	1	0
0	A	
XY	0	1
00	0	0
01	0	0
11	1	1
10	0	1
K MAPS		