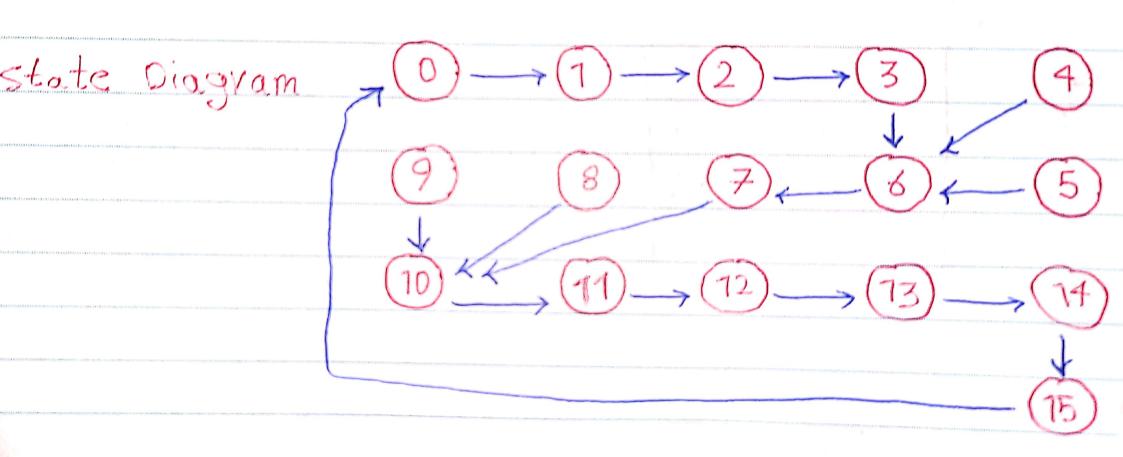
## Design of Unusual Counter



16 states => 4 jK-flipflop

Current State	Next State					Output
y3 y2 y1 y0	Y3 Y2 Y1 Y0	J3 K3	J2 K2	J1 K1	J0 K0	z3 z2 z1 z0
0000	0001	0 d	0 d	0 d	1 d	0000
0001	0010	0 d	0 d	1 d	d 1	0001
0010	0011	0 d	0 d	d 0	1 d	0010
0011	0110	0 d	1 d	d 0	d 1	0011
0100	0110	0 d	d 0	1 d	0 d	0100
0101	0110	0 d	d 0	1 d	d 1	0101
0110	0111	0 d	d 0	d 0	1 d	0110
0111	1010	1 d	d 1	d 0	d 1	0111
1000	1010	d 0	0 d	1 d	0 d	1000
1001	1010	d 0	0 d	1 d	d 1	1001
1010	1011	d 0	0 d	d 0	1 d	1010
1011	1100	d 0	1 d	d 1	d 1	1011
1100	1101	d 0	d 0	0 d	1 d	1100
1101	1110	d 0	d 0	1 d	d 1	1101
1110	1111	d 0	d 0	d 0	1 d	1110
1111	0000	d 1	d 1	d 1	d 1	1111

