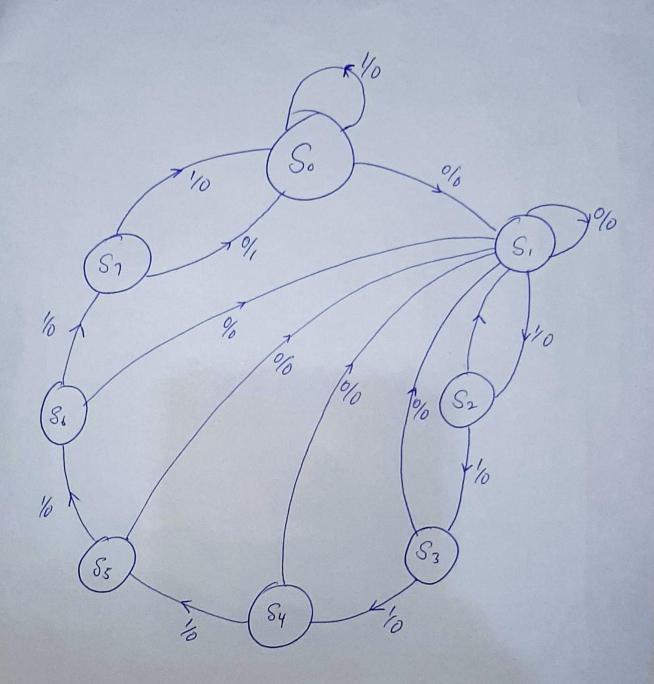
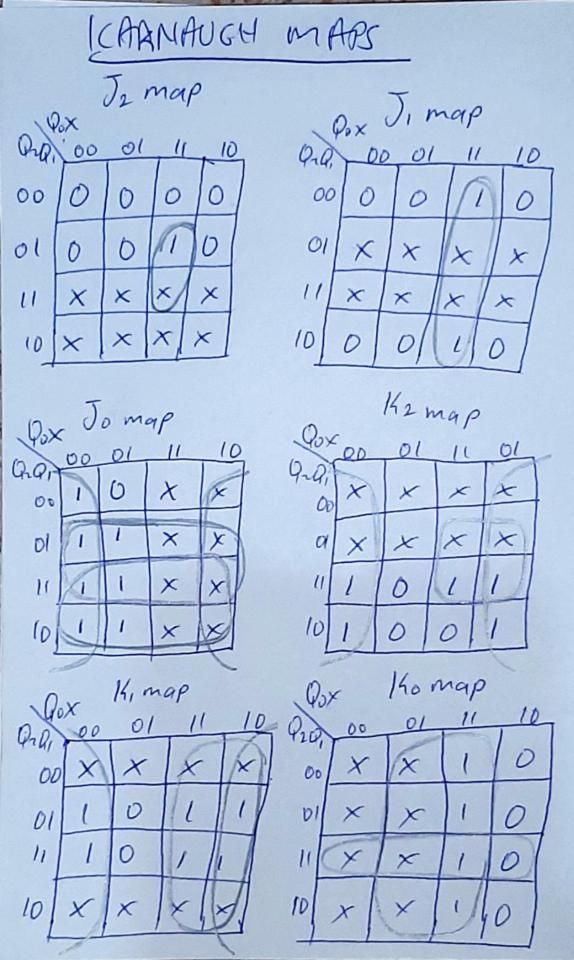
ATHASSAM ISSAN -52222021 STATE DIAGRANN



JK	EXCETTATION	MARGE
1 Ps	MS	JK
0	-> 0	0×
0	>1	1×
0	> 0	×I
]		x0

STATE TABLE

State Previous State State		Mesit State		Output	Output (4)		
State		x=0	X=1	Y=0	x = 1		
	Q2 Q1 Q0	Q2 Q, Q0	Pr Q. Q0	У	Y		
So	000	001	000	0	0		
	001	001	010	0	0		
S,		001	011	0	0		
S2	0 10		1 00	0	0		
S ₃	011	001		0	0		
Sy	100	001	101				
55	101	001	110	0	0		
	10	001	111	0	0		
Sı		000	000		0		
Si	1 ' '	000					
	1						



Fairmones

$$J_0 = \overline{X} + Q_1 + Q_2$$

$$J_1 = Q_0 X$$

$$J_2 = Q_1 Q_0 X$$

$$K_0 = X + Q_2 Q_1$$

$$K_1 = \overline{X} + Q_1 Q_0$$

$$K_2 = \overline{X} + Q_1 Q_0$$

$$Y = Q_2 Q_1 Q_0 \overline{X}$$

DETADE COVINTER DESIGN

100	1				1 1
Clock pulse	Q3 1	Q2	Q,	0.	
luitally	0	0	0	0	
1	Ð	0	0	1	
2	0	0	1	D	
3	0	0	1	1	
4	0	1	0	9	
5	0	1	0		
6	0				
7	0	1		O	1
8 1	1	0	0	5	
9	(0	0	,	
10 (regde)	0	0	0	0	
			0	0	

$$\overline{J_1} = |C_1 = Q_0 \overline{Q_3}$$

$$\overline{J_2} = |C_2 = Q_0 \overline{Q_1}$$

$$\overline{J_3} = |C_3 = Q_0 \overline{Q_1} + Q_0 \overline{Q_2}$$

SEVEN SECTION DISPLAY BRIVER EQUATIONS

$$q = Q_3 + \overline{Q}_1 + \overline{Q}_2 Q_0 + \overline{Q}_2 \overline{Q}_0$$

$$b = \overline{Q}_2 + \overline{Q}_1 \overline{Q}_0 + \overline{Q}_1 Q_0$$

$$c = Q_2 + \overline{Q}_1 + \overline{Q}_0$$

$$d = \overline{Q}_2 \overline{Q}_0 + \overline{Q}_1 \overline{Q}_0 + \overline{Q}_2 \overline{Q}_1 + \overline{Q}_2 \overline{Q}_1 + \overline{Q}_2$$

$$e = \overline{Q}_2 \overline{Q}_0 + \overline{Q}_1 \overline{Q}_0$$

$$f = Q_3 + \overline{Q}_2 \overline{Q}_0 + \overline{Q}_2 \overline{Q}_1 + \overline{Q}_2 \overline{Q}_0$$

$$g = Q_3 + \overline{Q}_2 \overline{Q}_1 + \overline{Q}_2 \overline{Q}_1 + \overline{Q}_1 \overline{Q}_0$$