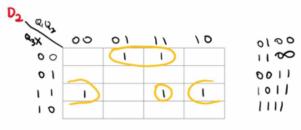
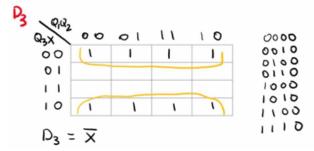


$$D_1 = Q_1 \overline{Q_2} \overline{Q_3} \times + Q_1 Q_2 \overline{Q_3} \times + \overline{Q_1} Q_2 Q_3 \times + Q_1 \overline{Q_2} Q_3 \times$$





Present	State	Input	Next	State	Output
	Q, Q2Q3	×	Q,Q2Q3		
S_0	000	0	S_1	001	0
S_0	000	1	S_0	000	0
S_1	001	0	S_1	001	0
S_1	001	1	S_2	010	0
S_2	010	0	S_3	011	0
S_2	010	1	S_0	000	0
S_3	011	0	S_1	001	0
S_3	011	1	S_4	100	0
S_4	100	0	S_5	101	0
S_4	100	1	S_0	000	0
S_5	101	0	S_1	001	0
S_5	101	1	S_6	110	0
S_6	110	0	S_7	111	0
S_6	110	1	S_0	000	0
					_

S_1

S_2

S_7

S_7