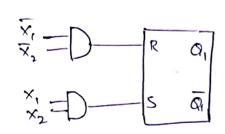
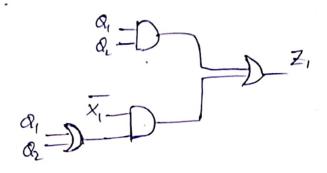
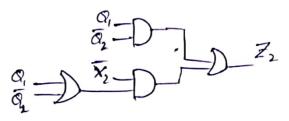
Flsynchronous Circuits



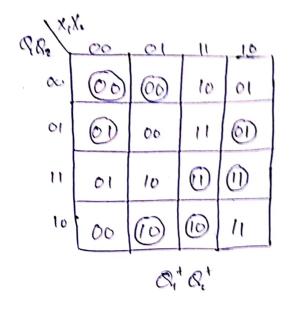
$$\begin{array}{c} \overline{X}_1 \\ \overline{X}_2 \end{array} = \begin{array}{c} \overline{R}_2 & \overline{Q}_1 \\ \overline{X}_2 \end{array} = \begin{array}{c} \overline{R}_2 & \overline{Q}_2 \\ \end{array}$$





Internal State - Q, QL

Total State	R	S	R <sub>L</sub>	5,	Q, t	0,	Z	Z	
& Q X, X2	XIX	XIX2	$\overline{X}_1 X_2$	Y1 \bar{\chi}2	(s,+R'Q)	1 1		22	
0000	1	0	0	0	0	Ö	6	1	
00 10	0	0	0	1	0	1	0	1	
01 10	0	0	0	1	6	1	0	D	
01 11	0	1	0	0	1	t	1	0	
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					1				
		) 1	,	\	1		1	1	



$$Q^{1} = S_{1} + \overline{R_{1}} Q_{1}$$

$$= V_{1} X_{1} + (\overline{V_{1}} \overline{V_{1}}) Q_{1}$$

$$Q^{1}_{1} = S_{1} + \overline{R_{1}} Q_{2}$$

$$= V_{1} \overline{X_{1}} + (\overline{X_{1}} X_{1}) Q_{2}$$

$$S_0 = 00$$
  $S_1 = 10$   $S_3 = 11$ 

