

$$1. RS: Q^{n+1} = S + \bar{R}Q$$

$$JK: Q^{n+1} = J\bar{Q} + \bar{K}Q$$

$$T: Q^{n+1} = T\bar{Q} + \bar{T}Q$$

$$D: Q^{n+1} = D$$

$$2. P_1 = \bar{Q}_3 \quad P_2 = Q_1 \quad P_3 = Q_2$$

$$Q_1^{n+1} = \bar{Q}_3 \quad Q_2^{n+1} = Q_1 \quad Q_3^{n+1} = Q_2$$

状态转移真值表:

Q_1	Q_2	Q_3	Q_1^{n+1}	Q_2^{n+1}	Q_3^{n+1}
0	0	0	1	0	0
0	0	1	0	0	0
0	1	0	1	0	1
0	1	1	0	0	1
1	0	0	1	1	0
1	0	1	0	1	0
1	1	0	1	1	1
1	1	1	0	1	1

Moore型: 状态转移图

$(Q_1, Q_2, Q_3) \rightarrow$

000 → 100 → 110 → 111 → 011 → 001 → 000

010 → 101 → 010

功能: 3位同步计数器

3.



Quark 夸克

高清扫描 还原文档