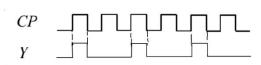
1.



2.

(1) 
$$Q_0^{n+1} = \overline{Q_0^n}$$

$$Q_1^{n+1} = \overline{J_1Q_1^n} + \overline{Z_1Q_1^n} = Q_0^n \overline{Q_2^n} \overline{Q_1^n} + \overline{Q_0^n} \overline{Q_2^n} Q_1^n$$

$$= Q_0^n \overline{Q_2^n} \overline{Q_1^n} + (\overline{Q_0^n} + Q_1^n) Q_1^n$$

$$= Q_0^n \overline{Q_2^n} \overline{Q_1^n} + \overline{Q_0^n} Q_1^n + \overline{Q_0^n} Q_1^n$$

$$Q_2 = \overline{J_2} \overline{Q_2} + \overline{K_2Q_2} = Q_0^n Q_1^n \overline{Q_1^n} + \overline{Q_0^n} Q_1^n$$

$$+ \overline{K_0^n} \overline{X_0^n} \overline{Q_1^n} + \overline{Q_0^n} \overline{Q_1^n} + \overline{Q_0^n} \overline{Q_1^n}$$

$$+ \overline{K_0^n} \overline{X_0^n} \overline{Q_1^n} + \overline{Q_0^n} \overline{Q_1^n} + \overline{Q_0^n} \overline{Q_1^n}$$

$$+ \overline{K_0^n} \overline{X_0^n} \overline{Q_1^n} + \overline{Q_0^n} \overline{Q_1^n} + \overline{Q_0^n} \overline{Q_1^n} + \overline{Q_0^n} \overline{Q_1^n}$$

$$+ \overline{K_0^n} \overline{X_0^n} \overline{Q_1^n} + \overline{Q_0^n} \overline$$

舰态 02010°	次於 Rhti 2 nti 2 nti 7	744 ·	
0 0 0 0 . 0 0 (	0 0 1 0	- V	
0 ( V 0   ]	011	V	
101	0 0 0	. <u>\</u>	
. 1 ( ) .	.1		

## 状态转换图

$$\begin{array}{c} 000 \rightarrow 001 \rightarrow 010 \leftarrow 111 \leftarrow 110 \\ 011 \leftarrow 100 \leftarrow 011 \end{array}$$

12) 淡电路和一同专模6寸以法计数器

输入	观态	次告	输上	献发送状态	
, X	\\\^\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			D3D2D1	
0	000	ขขง	Ü	000	
	000	001	J	001	
0	001	000	V	000	
(	001	0 0	0	DIV	
0	010	000	J	000	
l	0   0	011	0	0(	
0	011	000	O	000	
	011	loo	1	(00	
0	100	000	0	000	
(	100	100	1	( 00	
0	101	Xxx	Х	XXX	
1	(0)	XXX	Х	XXX	
0	110		×	XXX	
1	( ( )	XXX	Х	XXX	
0	111	XXX	X	XXX	
1	111	XXX	Χ	XXX	
		x	0 000 000  1 000 001  0 001 000  1 000 010  0 010 000  1 010 010	X   X   X   X   X   X   X   X   X   X	0 000 000 0 000 0 000 0 000 0 0 0 0 0

对于航发器 D3:

× 13 1,	00	0	П	10
00	0	0	U	0
0	0	Х	χ	X
11	$\bigcap$	Х	X	A
Įν	0	0		0

$$p_3 = x y_3 + x y_3 y_1$$

对于航发器及:

;	X /3 /1	00	٥Į	u	10
	00	0	0	0	S
	0	0	X	Х	Χ
		0	(X)	X	$\sqrt{\chi}$
	ĺν	0		0	W

$$\widetilde{J}_{2} = X \widetilde{J}_{2} Y_{1} + X Y_{2} Y_{1}$$

$$= X (Y_{2} \theta Y_{1})$$

对我发送了:

× 13 /	.00	١٥	.11	10
00	0	0	0	7
. 0 (	.0	X	. X	X
1.[	0	Х	X	Х
. ( )	. )	U	.0	1

$$D_1 = \sqrt{Y_3} \, \overline{Y_1}$$

对于输工工:	× 13 /	00	0	11	10
	00	0	0	0	J
	0 [	0	X	Х	Χ
	. 11	W	X	A	X
	ĺν	0	0	V	0

2 =	×/3 +	×/2/1

## 电路设计如下:

