



Diagrama de Transição de Estados (Mealy)

Cor da Radiação	X
azul	00
Verde	01
Laranja	10
Desconhecida	11





	$E_1 E_0$	Entrada			
Estados	00	01	10	11	
A	000	001/0	000/0	000/0	000/0
B	001	001/0	010/1	100/0	000/0
C	010	001/0	011/0	000/0	000/0
D	011	001/0	010/1	000/0	000/0
E	100	001/0	000/0	101/0	000/0
F	101	001/0	000/1	101/0	000/0

$Q_2 Q_1 Q_0 \quad D_2 D_1 D_0 \quad S$

D_2	000	010	011	001	101	100
00	0	0	0	0	0	0
01	0	0	0	0	0	0
11	0	0	0	1	1	1
10	0	0	0	0	0	0

$$D_2 = \bar{Q}_1 \cdot Q_0 \cdot E_1 \cdot \bar{E}_0 + Q_2 \cdot \bar{Q}_1 \cdot \bar{Q}_0 \cdot E_1 \cdot E_0$$

D_1	000	010	011	001	101	100
00						
01				1	1	1
11						
10						

$$D_1 = \bar{Q}_2 \cdot Q_1 \cdot \bar{E}_1 \cdot E_0$$

D_0	000	010	011	001	101	100
00	1	1	1	1	1	1
01						
11						
10					1	1

$$D_0 = \bar{Q}_2 \cdot \bar{E}_1 \cdot \bar{E}_0 + Q_2 \cdot \bar{Q}_1 \cdot \bar{E}_0$$



⑤ 000 010 011 001 101 100

00

01

11

10

1	1	1
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$$S = \overline{Q_2} \cdot Q_0 \cdot \overline{E_1} \cdot E_0 + Q_2 \cdot \overline{Q_1} \cdot Q_0 \cdot \overline{E_1} \cdot E_0$$

