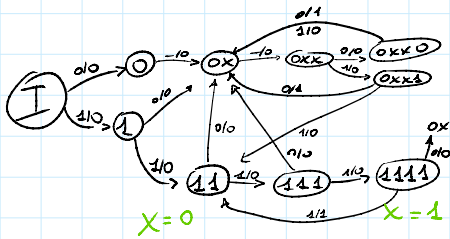


TRACCIA 28 01-16



STATO	y ₃	y ₂	y ₁	y ₀	x	0	1
I	0	0	0	0		0001.0	0010.0
0	0	0	0	1		0011.0	0011.0
1	0	0	1	0		0011.0	0100.0
0x	0	0	1	1		0101.0	0101.0
11	0	1	0	0		0011.0	0110.0
0xx	0	1	0	1		1000.0	1001.0
111	0	1	1	0		0011.0	0111.0
1111	0	1	1	1		0100.0	0011.1
0xx0	1	0	0	0		0011.1	0011.0
0xx1	1	0	0	1		0101.1	0100.0
x	1	0	1	0			
x	1	0	1	1			
x	1	1	0	0			
x	1	1	0	1			
x	1	1	1	0			
x	1	1	1	1			

y₃' y₂' y₁' y₀', z

y ₃ y ₂	00	01	11	10
00				
01		1		
11	x	x	x	x
10			x	x

y ₃ y ₂	00	01	11	10
00				
01			1	
11	x	x	x	x
10		1	x	x

y ₃ y ₂	00	01	11	10
00				
01	1			1
11	x	x	x	x
10	1		x	x

y ₃ y ₂	00	01	11	10
00	1	1	1	1
01	1			1
11	x	x	x	x
10	1	1	x	x

y ₃ y ₂	00	01	11	10
00				
01				
11	x	x	x	x
10	1	1	x	x

$$y_3' = \overline{y_0} y_1 y_3 \overline{x} + \overline{y_0} y_1 y_3 x$$

$$y_2' = y_0 y_1 \overline{x} + y_1 y_2 \overline{x} + \overline{y_1} y_3 x + y_1 y_2 x + y_0 y_3 x$$

$$y_1' = \overline{y_0} y_1 y_2 y_3 \overline{x} + \overline{y_1} y_3 \overline{x} + \overline{y_1} y_2 \overline{x} + y_0 \overline{y_1} \overline{x} + \overline{y_0} \overline{y_1} x + y_0 y_3 x + \overline{y_0} y_2 y_3 x$$

$$y_0' = \overline{y_3} \overline{x} + \overline{y_1} \overline{x} + \overline{y_1} y_2 x + y_1 \overline{y_2} x + y_0 y_3 x$$

$$z = y_2 \overline{x} + y_0 y_1 y_3 x$$