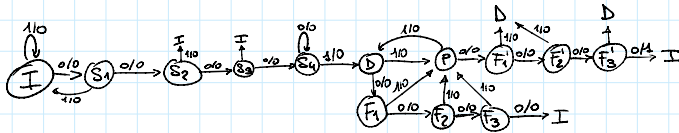


Traccia 16/04/04



Stato	$y_3 y_2 y_1 y_0$	$x=0$	$x=1$
I	0 0 0 0	0001.0	0000.0
S <sub>1</sub>	0 0 0 1	0010.0	0000.0
S <sub>2</sub>	0 0 1 0	0011.0	0000.0
S <sub>3</sub>	0 0 1 1	0100.0	0000.0
S <sub>4</sub>	0 1 0 0	0100.0	0101.0
D	0 1 0 1	0111.0	0110.0
P	0 1 1 0	1010.0	0101.0
F <sub>1</sub>	0 1 1 1	1000.0	0110.0
F <sub>2</sub>	1 0 0 0	1001.0	0110.0
F <sub>3</sub>	1 0 0 1	0000.0	0110.0
F <sub>4</sub>	1 0 1 0	0101.0	1011.0
F <sub>5</sub>	1 0 1 1	0101.0	1100.0
F <sub>6</sub>	1 1 0 0	0000.1	1101.0
	1 1 0 1		
	1 1 1 0		
	1 1 1 1		

$y_2 y_1 y_0$	$y_3$	00	01	11	10
00					
01					
11		1	x	x	x
10					

Z

$y_2 y_1 y_0$	$y_3$	00	01	11	10
00					
01					
11		x	x	x	
10					

$$Z = y_2 y_3 \bar{x}$$

X=0

$y_2 y_1 y_0$	$y_3$	00	01	11	10
00					
01				1	1
11		x	x	x	
10		1			

X=1

$y_2 y_1 y_0$	$y_3$	00	01	11	10
00					
01		1	1	1	1
11		1	x	x	x
10		1	1	1	

$$y_3' = \bar{y}_0 \bar{y}_1 \bar{y}_2 y_3 \bar{x} + y_1 y_2 \bar{x} + y_2 y_3 x + y_1 y_3 x$$

$$y_2' = \bar{y}_1 y_2 \bar{y}_3 + y_0 y_1 \bar{y}_2 \bar{x} + y_1 y_3 \bar{x} + \bar{y}_0 y_1 y_3 + y_2 x + \bar{y}_1 y_3 x$$

$$y_1' = y_0 \bar{y}_1 y_2 + y_0 \bar{y}_1 \bar{y}_3 \bar{x} + \bar{y}_0 y_1 \bar{y}_3 \bar{x} + y_0 y_2 x + \bar{y}_0 y_1 y_3 x + \bar{y}_1 \bar{y}_2 y_3 x$$

$$y_0' = \bar{y}_0 \bar{y}_2 \bar{x} + y_0 \bar{y}_1 y_2 \bar{x} + y_1 y_3 \bar{x} + \bar{y}_0 y_1 y_3 + \bar{y}_0 y_2 x$$