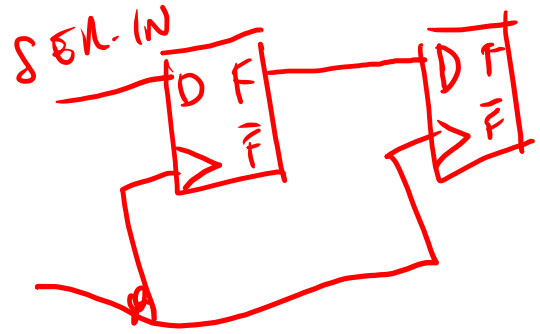


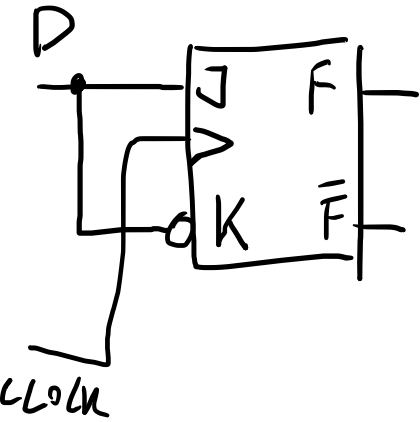
$X=0 \Rightarrow \begin{cases} J_0=0 \\ K_0=1 \end{cases}$  RESET

$X=1 \Rightarrow \begin{cases} J_0=1 \\ K_0=0 \end{cases}$  SET

FF J-K  
 "COME IN D"

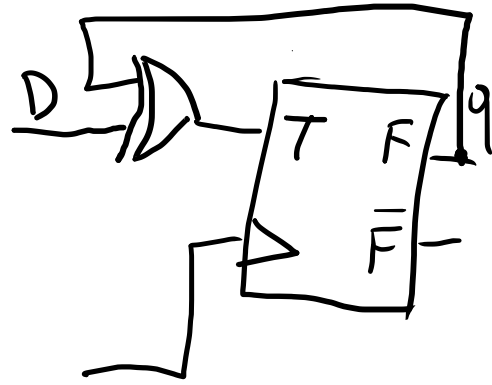


# FF J-K CONE D



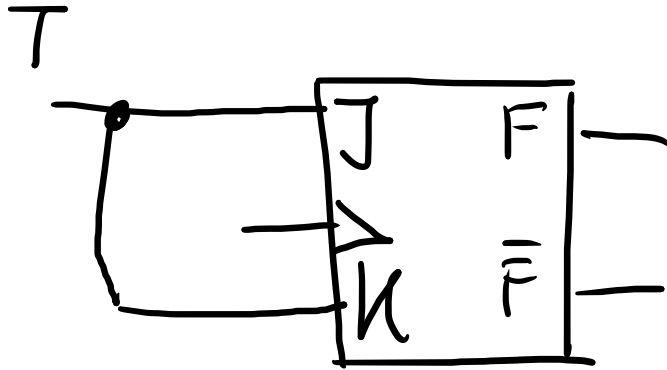
D	q	T	q'
0	0	0	0
0	1	1	0
1	0	1	1
1	1	0	1

# FF T CONE D



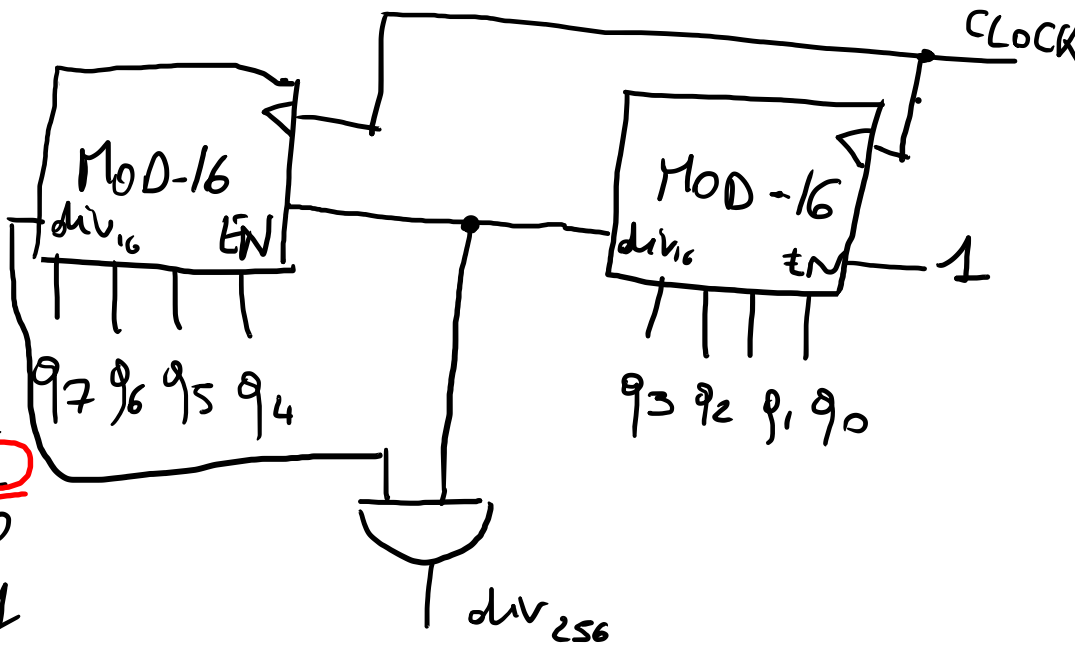
$$T = D \oplus q$$

FF JK "COMB T"

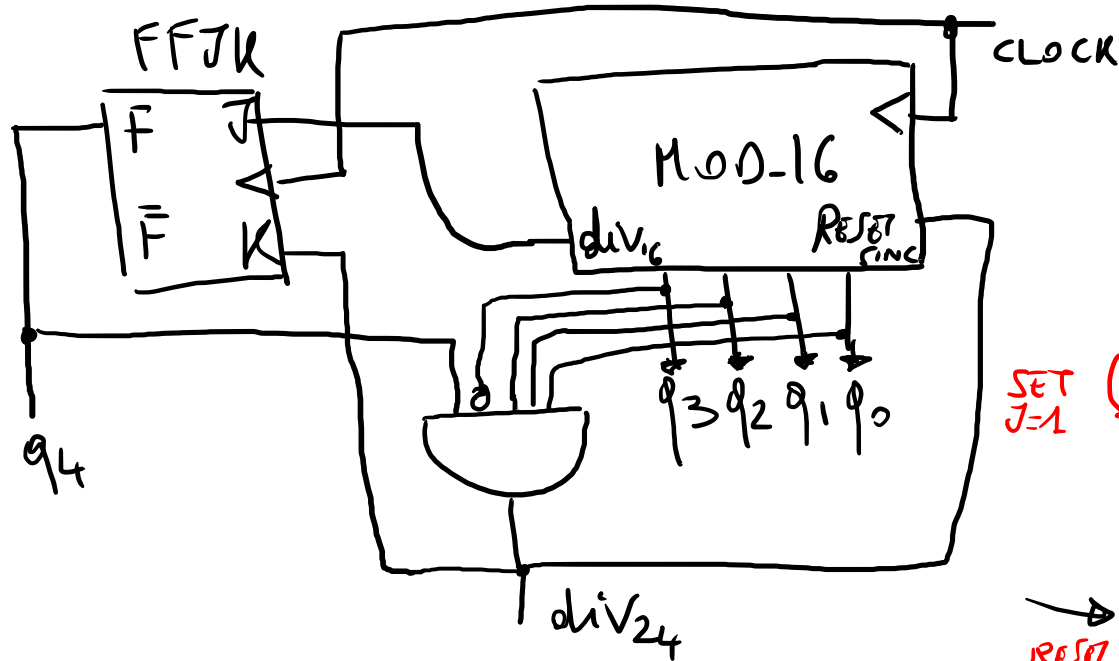


# CONTATORE SINCRONO MOD-256 CON 2 MOD-16

0000	0000
0000	0001
0000	0010
0000	0011
-----	-----
0000	<u>1111</u>
0001	0000
0001	0001
-----	-----
0001	<u>1111</u>
0010	0000
-----	-----
1111	1111
-----	-----
0000	0000



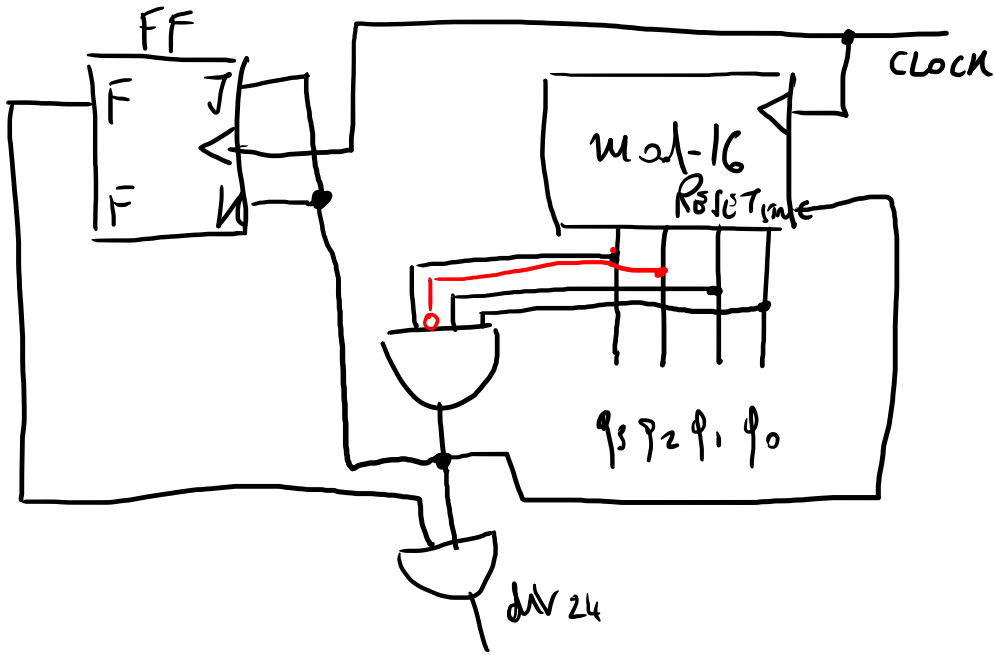
# CONTATORE MOD-24 DA UN MOD-16 + FF JK



0	0000
0	0001
0	0010
0	0011
0	0111
1	0000
1	0001
1	0010
1	0111
0	0000

SET J=1 → (points to the 5th row, 0 0111)  
 RESET K=1 → (points to the 9th row, 1 0111)

# CONTAZOR 24 - 24 con AN/PD



Q<sub>4</sub> Q<sub>3</sub>Q<sub>2</sub>Q<sub>1</sub>Q<sub>0</sub>

00000

00001

00010

01011

10000

10001

10010

...

11011

00000

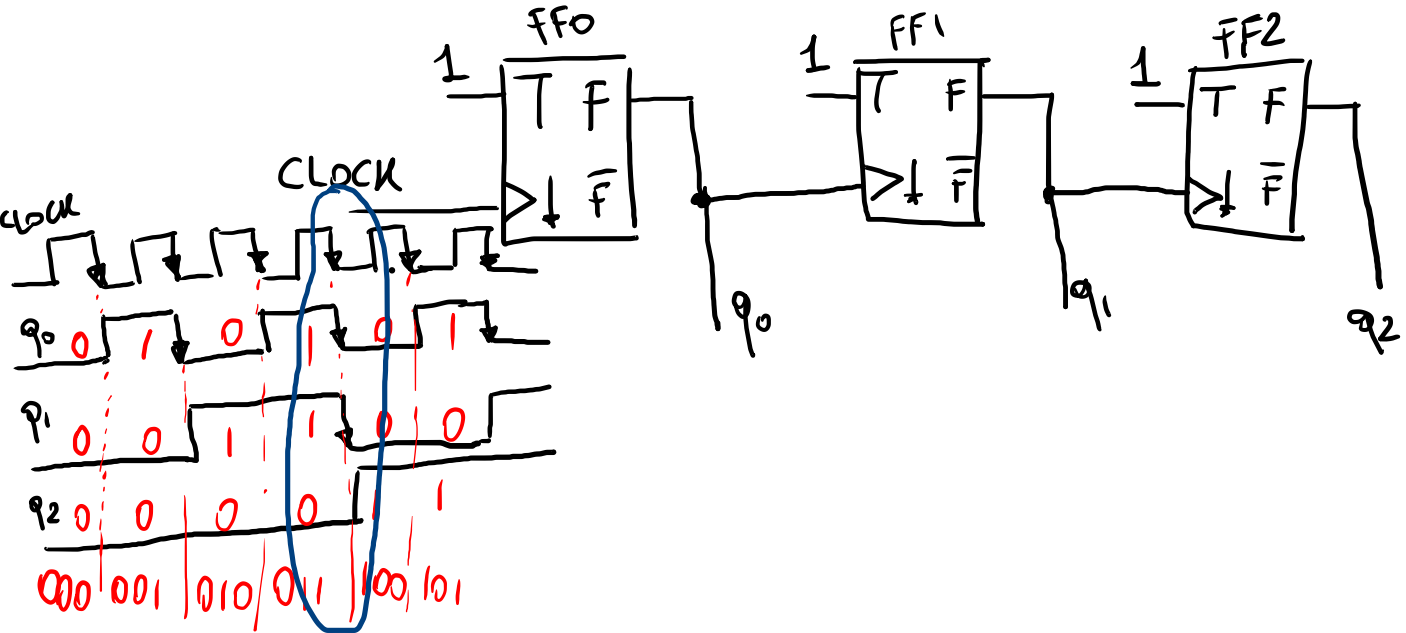
} 12

} 12

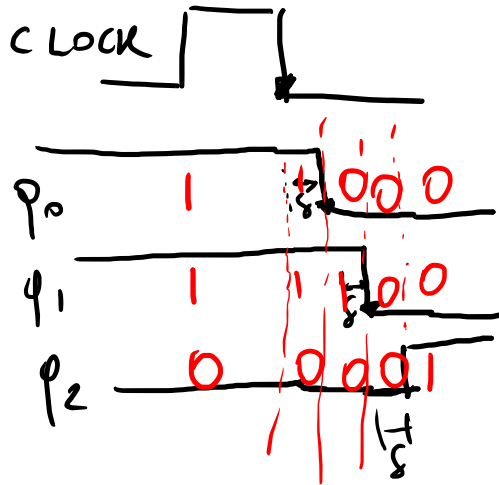
→

# CONTATORI ASINCRONI O RIPPLE COUNTER

MOD- $2^k$



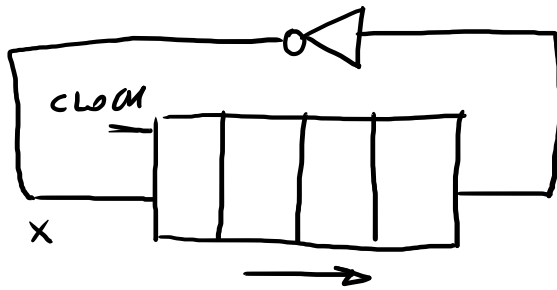
$p_2 p_1 p_0$   
011



$p_2$	$p_1$	$p_0$	
0	1	1	3
0	1	0	2
0	0	0	0
1	0	0	4

CONTATORE ASINCRONO





CONTATORE  
di JOHNSON  
MOD-2N

