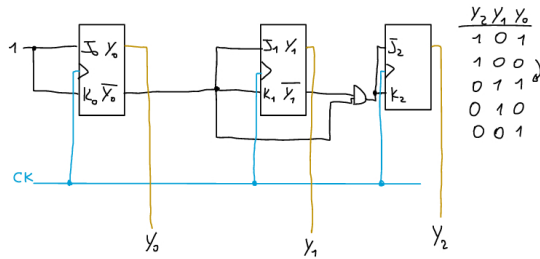


Lezione 19

Down Counter, Up/Down Counter, Registri a scorrimento (SISO) , Shift Register, Scorrimento e rotazione, Registri a Caricamento (PIPO), Registro universale

Down Counter, Up/Down Counter, Registri a scorrimento (SISO) , Shift Register, Scorrimento e rotazione, Registri a Caricamento (PIPO), Registro universale

Down Counter

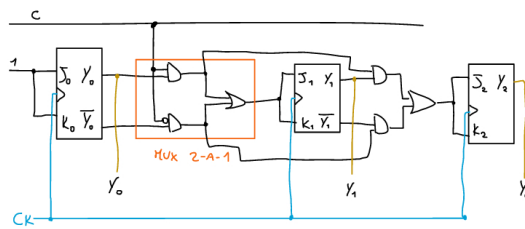


Y_2	Y_1	Y_0
1	0	1
1	0	0
0	1	1
0	1	0
0	0	1

$000 \rightarrow 111$
 $001 \rightarrow 110$
 $010 \rightarrow 101$
 $011 \rightarrow 100$

UP Down Counter

$c = \begin{cases} 0 & \text{indietro} \\ 1 & \text{avanti} \end{cases}$



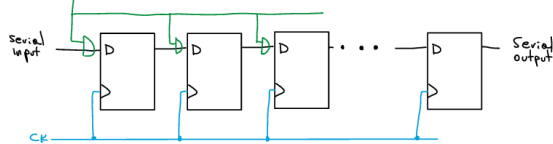
Registri a scorrimento

Shift Register

(Serial Input - Serial Output)

SISO

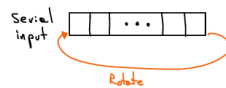
Right shift



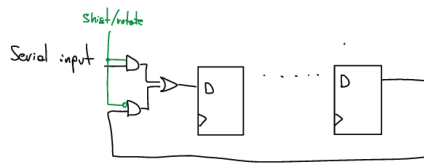
Possono anche considerare

• Scorrimento a SX

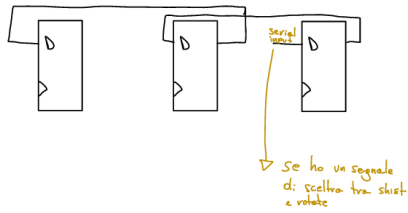
• Rotazione a Dx
e a SX



Rotazione a destra



Left shifter

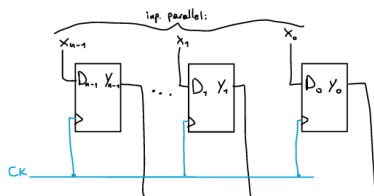


• Registri a caricamento

Parallelo

Parallel input - Parallel output

PIPO



• Registro universale

