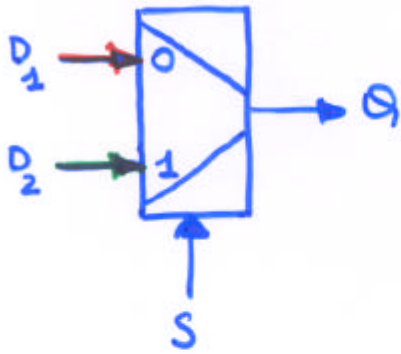
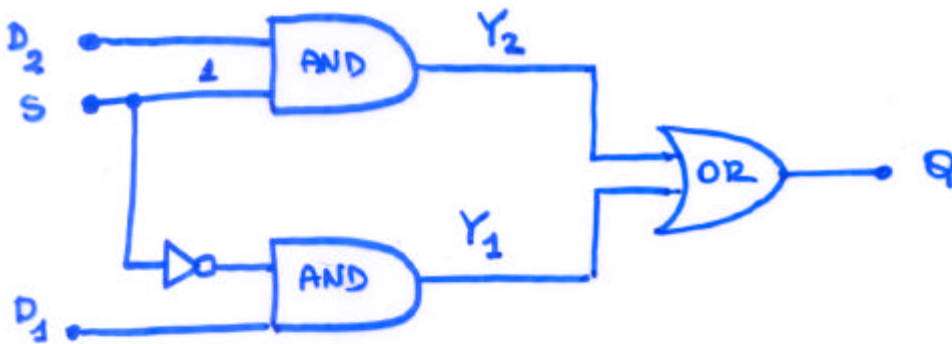


→ MULTIPLEXER 2:1



D_1	D_2	S	Q
<u>0</u>	0	0	<u>0</u>
<u>1</u>	0	0	<u>1</u>
<u>0</u>	<u>1</u>	0	<u>0</u>
<u>1</u>	<u>1</u>	0	<u>1</u>
0	<u>0</u>	1	<u>0</u>
0	<u>1</u>	1	<u>1</u>
1	<u>0</u>	1	<u>0</u>
1	<u>1</u>	1	<u>1</u>

RETE LOGICA



AD ESEMPIO : $S=0 \Rightarrow$ devo portare "fuori" D_1

$$D_1=0 ; \bar{S}=1 \Rightarrow Y_1=0$$

$$Y_2=0 \text{ (indipendentemente da } D_2)$$

$$\hookrightarrow Q=0$$

$$D_1=1 ; \bar{S}=1 \Rightarrow Y_1=1$$

$$Y_2=0 \text{ (indipendentemente da } D_2)$$

$$\hookrightarrow Q=1$$

↳ DATA SELECTOR tra due parole di 4 bit con 4 Mux 2:1