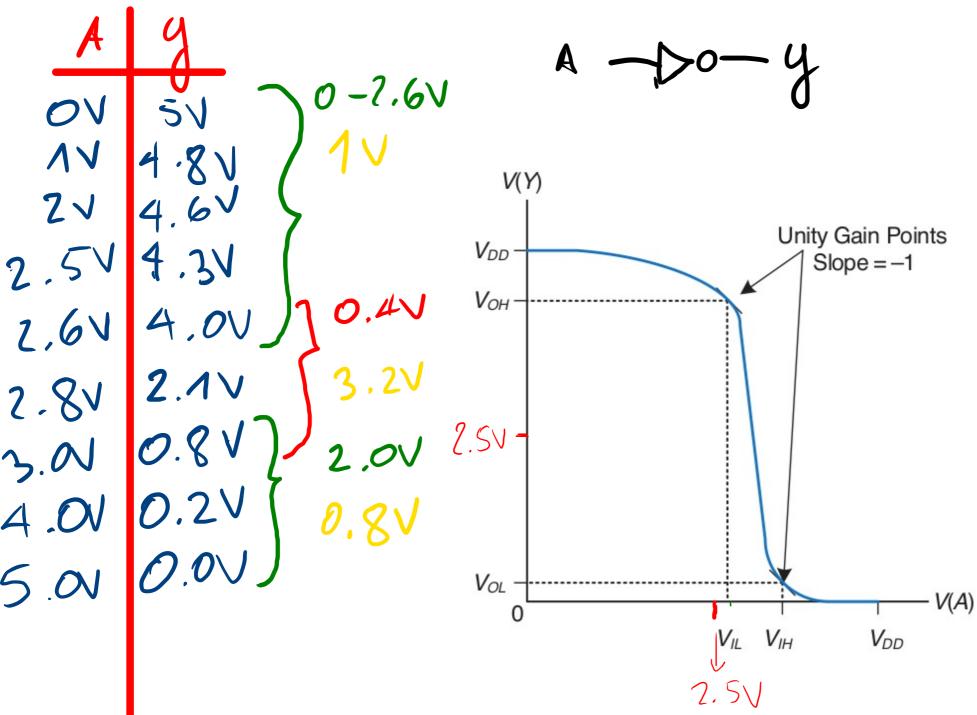
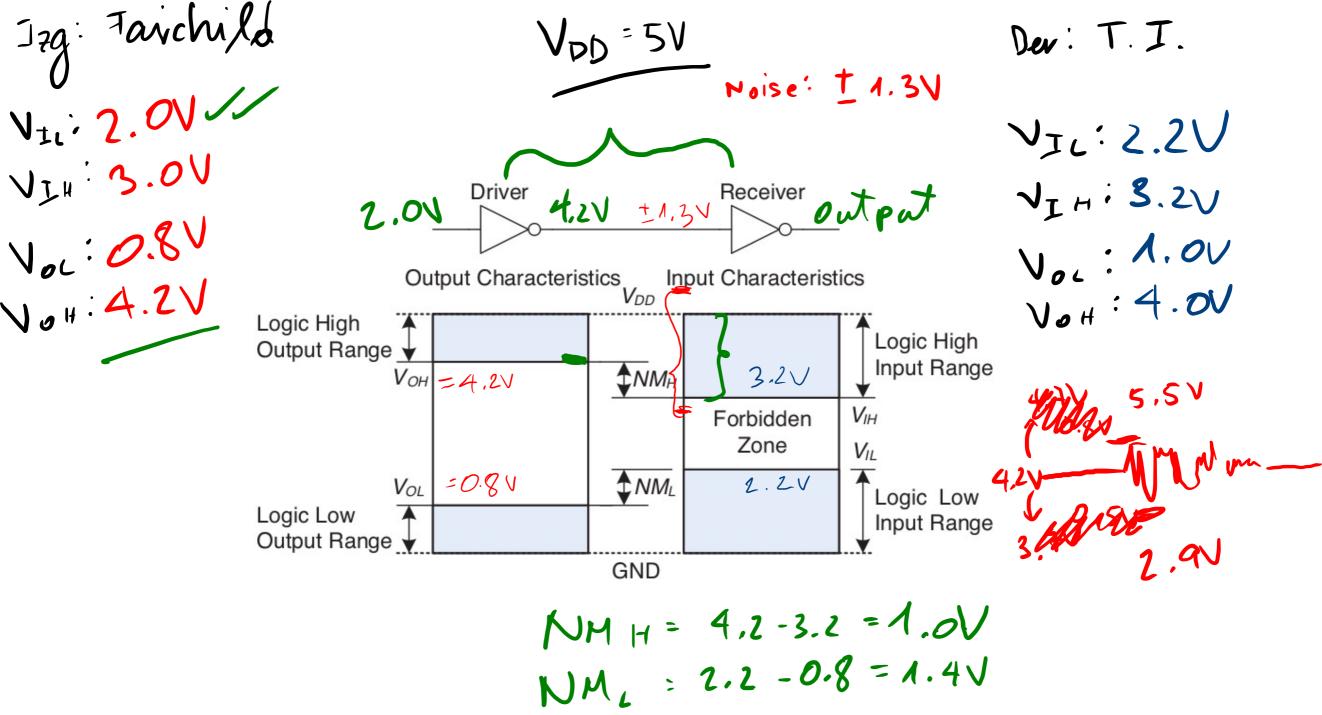
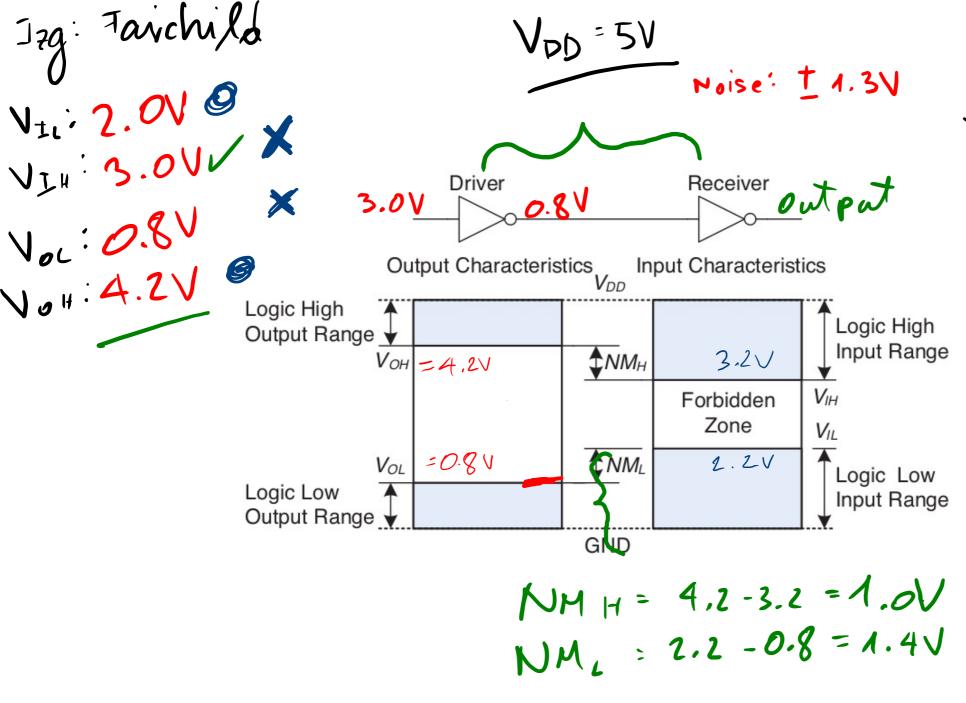
module mux4to1(input wire [1:0] S, input wire [3:0] D, output wire Y);

endmodule



$$V_{DD} = 5V$$
 $V_{DH} = 4V$ 
 $V_{OL} = 0.8V$ 
 $V_{IL} = 2.6V$ 
 $V_{IH} = 3.0V$ 





Der: T. I.

VIL: 2.2V

VIH: 3.2V

Voc: 1.00

Vo +: 4.0V

+.13V => 2.1V

-1.3v = -0.5v

$$+24_{10} \rightarrow 1000_{2} = 5.5.$$
 $L_{1} 2'_{5} = 01000_{2}$ 
 $+24_{10}$ 
 $+24_{10}$ 
 $+24_{10}$ 
 $+24_{10}$ 
 $+24_{10}$ 
 $+24_{10}$ 
 $+24_{10}$ 
 $+24_{10}$ 
 $+24_{10}$ 

$$[0; 2^{n}-1] \quad n=bits=5$$

$$[0; 31]$$

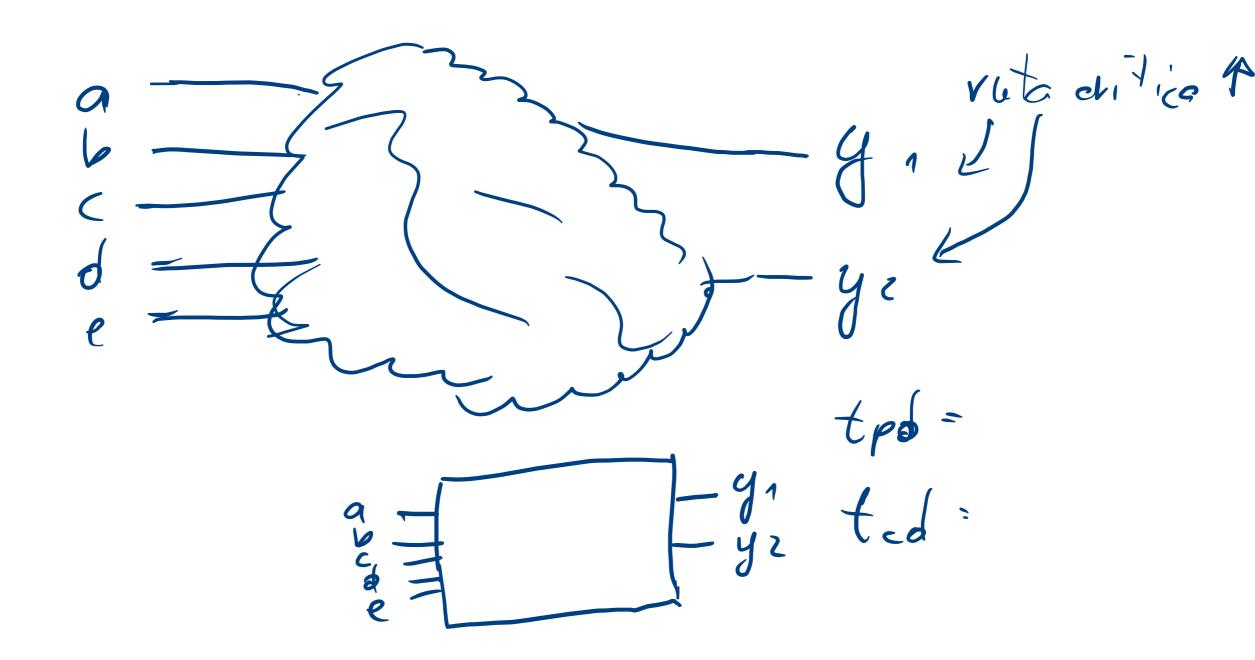
$$[-2^{n-1}; 2^{n-1}-1] = [-16; +15] \quad n=5$$

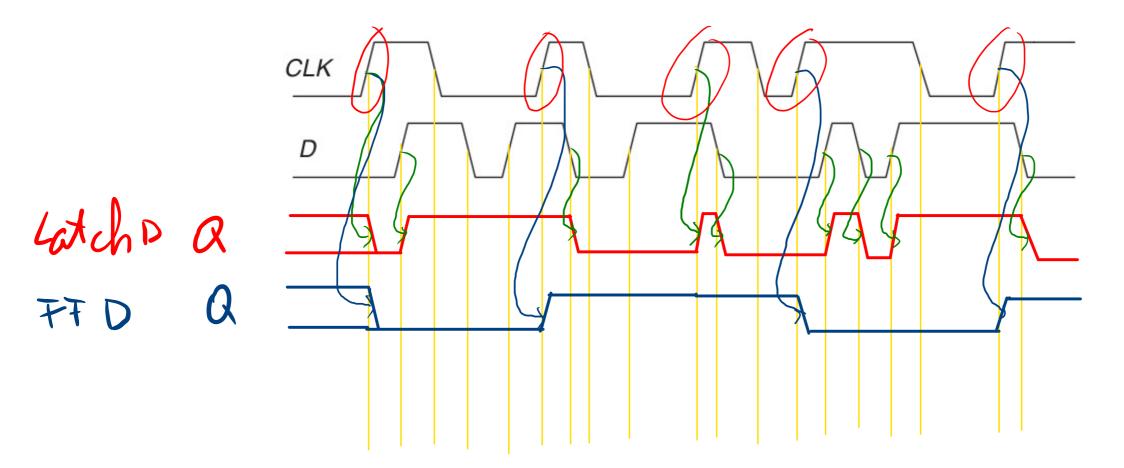
$$[-32; +31] \quad n=6$$

$$+24_{10}$$
 $-10.0$ 
 $+(-10)$ 
 $+14_{10}$ 
2) mag  $\xrightarrow{1/3}$  numero final

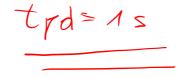
5.5. 6bits: 
$$00 \ 1010_2 \rightarrow 10_{10}$$

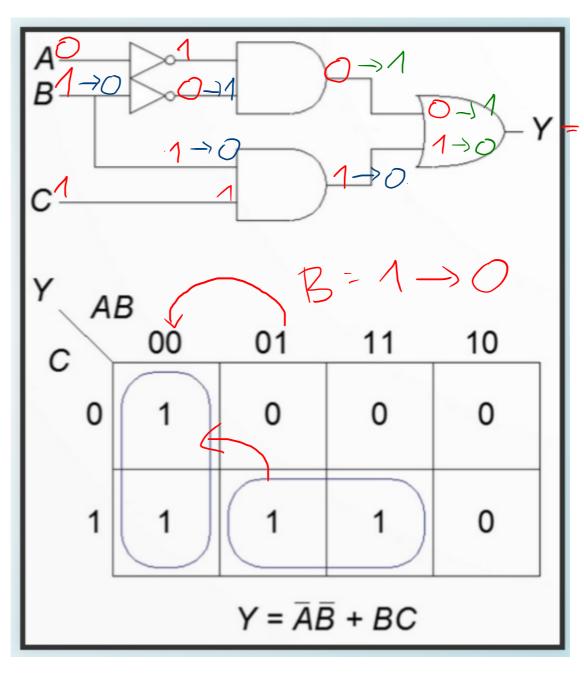
$$\begin{cases} \frac{1}{11} \ 0110_2 = -10_2 \end{cases}$$





$$A = 0$$
 $B = 1$ 
 $C = 1$ 
 $A = 0$ 
 $B = 0$ 
 $C = 1$ 





$$A = 0$$

$$B = 1 \rightarrow 0$$

$$(= 1)$$

$$(A+B+C)(\bar{A}+B+C) = y$$
  
 $(A+P)(\bar{A}+P) = y$   
 $(P=y=i)$