

$$0 \mid 55 = 0 = 45_{10}$$
  
 $0 \mid 5/M = 0 = -13_{10}$   
 $0 \mid 5/M = 0 = -18_{10}$   
 $0 \mid 5/M = 0 = -18_{10}$ 

$$+25_{10} =)$$
  $1001_{2}$   $55$   
 $+001_{2}$   $25$   
 $+25_{10}$ 

Shits 
$$[0,2^{n}-1]=)[0;31]$$
  
Shits  $[-2^{n-1};2^{n-1}]=)[-16;15]$   
6bits  $[-32;131]$ 

$$-25_{10} \qquad 65its \qquad [-32; +31]$$

$$0 \land 1001_{2} \Rightarrow \text{magnitud}$$

$$(100110_{2})$$

$$100111_{2} \Rightarrow -25_{10}$$

$$100111_{2} \Rightarrow -25_{10}$$

$$2's \qquad 110100_{2} \Rightarrow -12_{10}$$

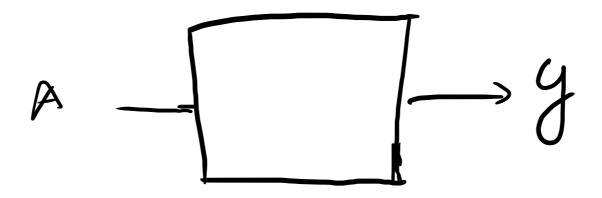
$$001100_{2} \qquad \text{magnitud} = 12_{10}$$

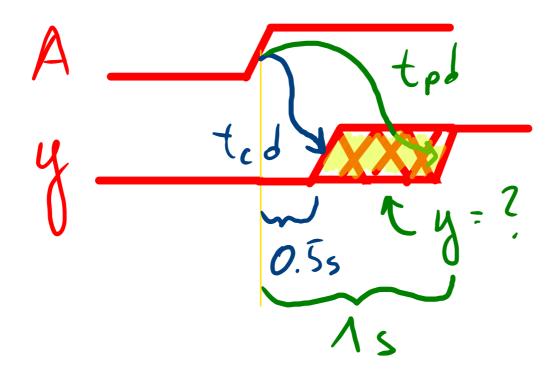
$$\frac{0.1010_{2} + 10}{+ 1.0011_{2} + (5)} = 0.0101_{2}$$

$$\frac{1.0010_{2} + (5)}{\times 0.0101_{2} + 5/10}$$

$$\frac{1.0010_{2} + 5/10}{\times 0.00101_{2} + 5/10}$$

tpd=15
ted=0.5s





DÉCODER

One Hat

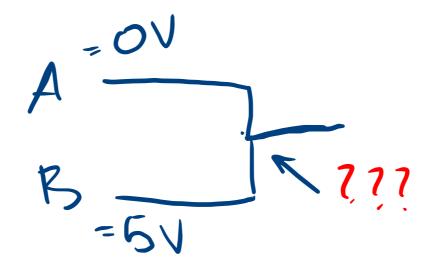
$$if(AB = 00)$$
:  
 $f_{3} = 1$   
 $f_{2} = 7$   
 $f_{3} = 7$   
 $e(if(AB = 01))$ :  
 $f_{3} = 7$   
 $f_{3} = 7$   
 $f_{3} = 7$   
 $f_{4} = 7$   
 $f_{3} = 7$   
 $f_{4} = 7$   
 $f_{5} = 10$ 

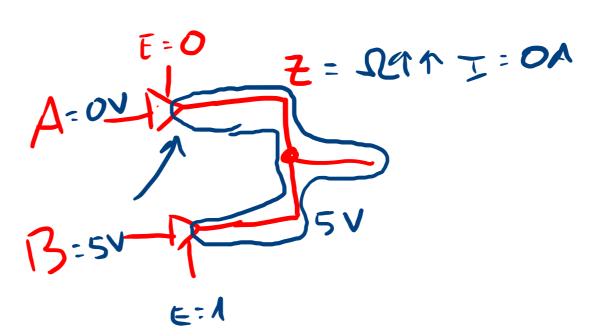
AB Y AB ON AB AB AB

y= AB + AB SOF

$$A(B \in D)$$

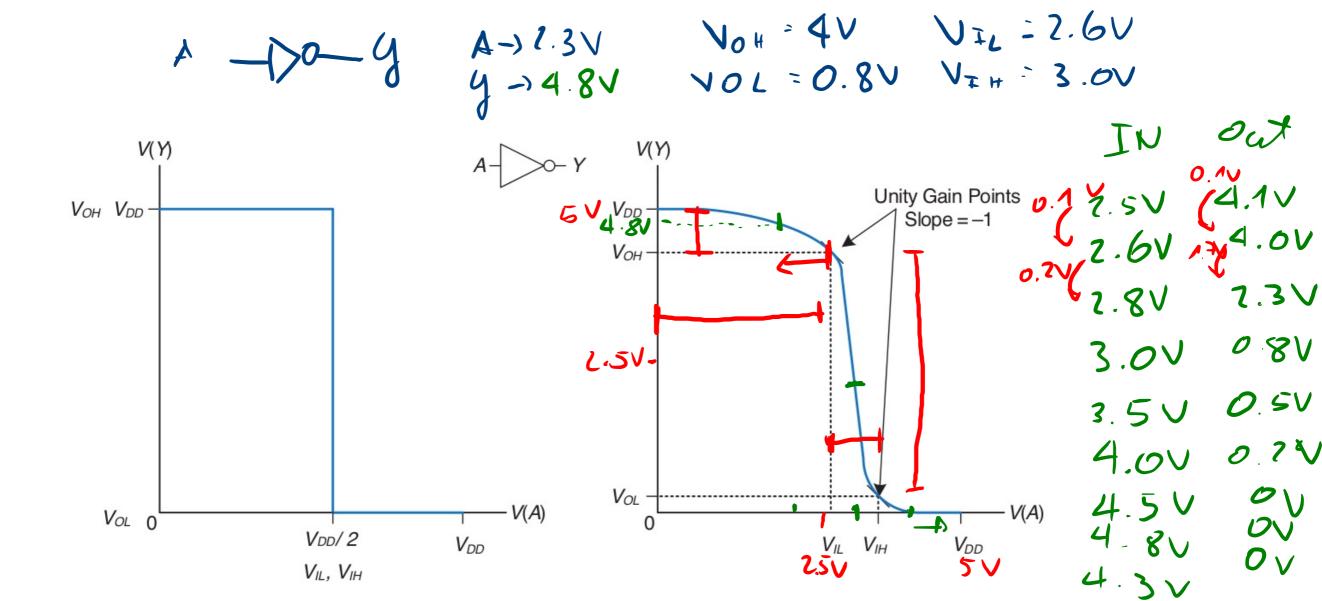
$$Y = AB \in \overline{D} + AB \in \overline{D} + (\overline{A + B} + C + D)$$





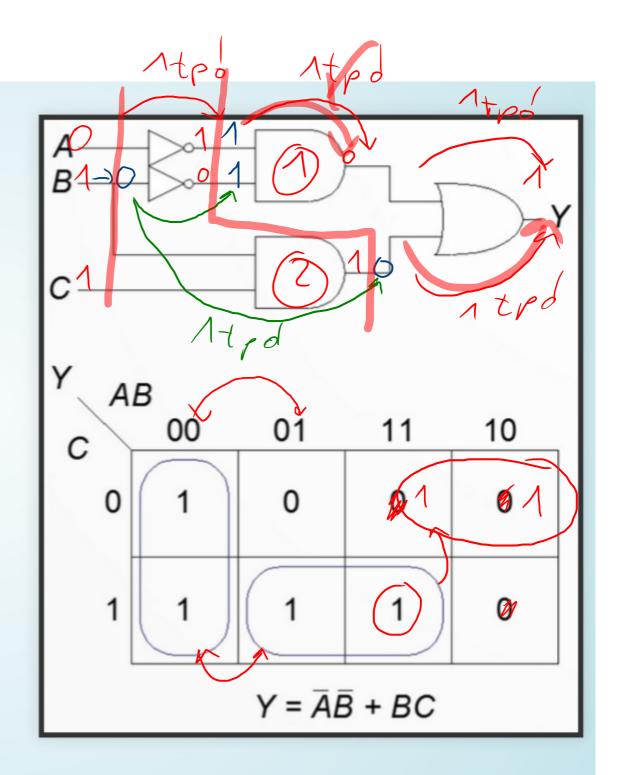
## 4:3 S[1] S[0] D[3] D[2]D[1] D[0]

```
l module mux4to1(input wire [1:0] S, input wire [3:0] D, output wire Y);
             = S[1] ? (S[0])? ([3])D[2]) : (S[0] ? D[1]:D[0]);
        if (S[1] == 1):
        elif (S[1] == 0):
            if ((S[0] == 1):
                 Y = D[1]
                 Y = D[0]
endmodule
```



• ¿Qué sucede cuando:

■ 
$$A = 0$$
  
■  $C = 1$   
■  $B = 1 -> 0$   
 $Y = 1$   
 $\Delta B = 0$   
 $\Delta B = 1 -> 0$   
 $\Delta B = 1 -> 0$   
 $\Delta B = 1 -> 0$ 



Ejemplo Glitch

