$$I_d = I_s(T)$$

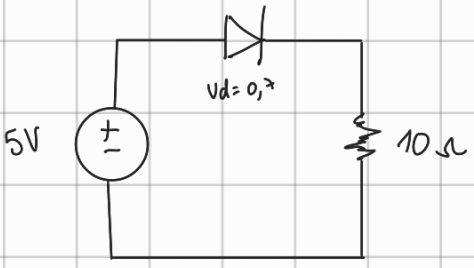
corriente de saturación

* circuito recortadores → Separar señales

modulacion AM

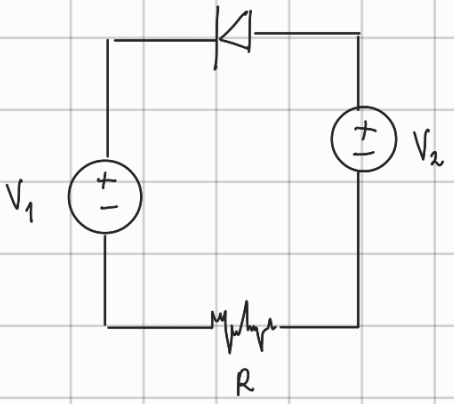
Si el diodo conduce → paso una pared de potencial de 0,7 V

diodo ideal $V_d \approx 0$



$$5V = 0{,}7v + R \cdot I_d$$

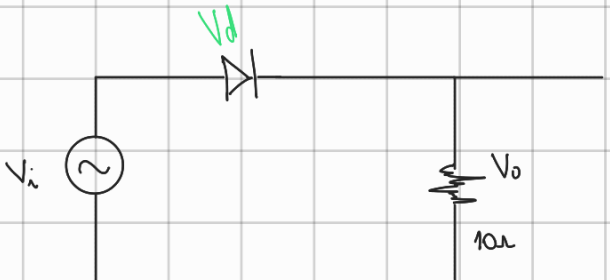
$$\frac{4{,}3}{10} = I_d = 0{,}43\ A$$



$V_1 = V_2 \rightarrow$ NO (I)

$V_1 > V_2 \rightarrow$ NO (I)

$V_1 < V_2$ (por 0,3) → NO (I)



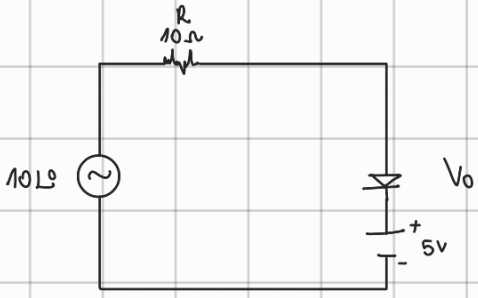
Ecuaciones: $0 - t_1 \rightarrow$ No conduce

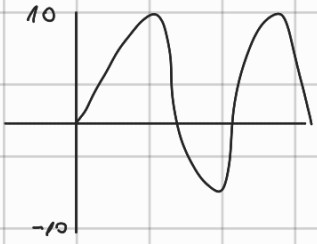
$V_i = V_d + R_i$

$V_i = V_d$

$t_1 - t_2 \rightarrow$ Si conduce

$V_i = 0{,}7 + R \cdot i$





$10\angle 0° - 5v = R_i + V_d$