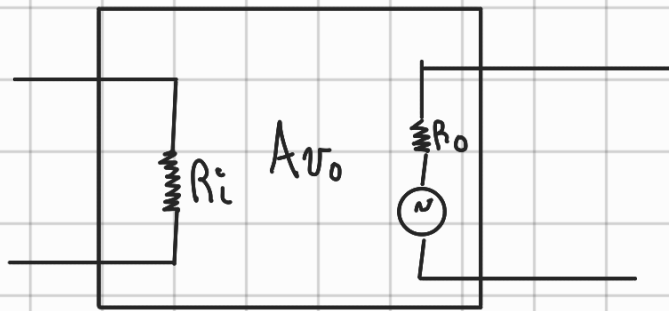
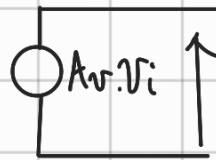
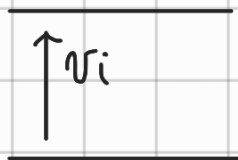


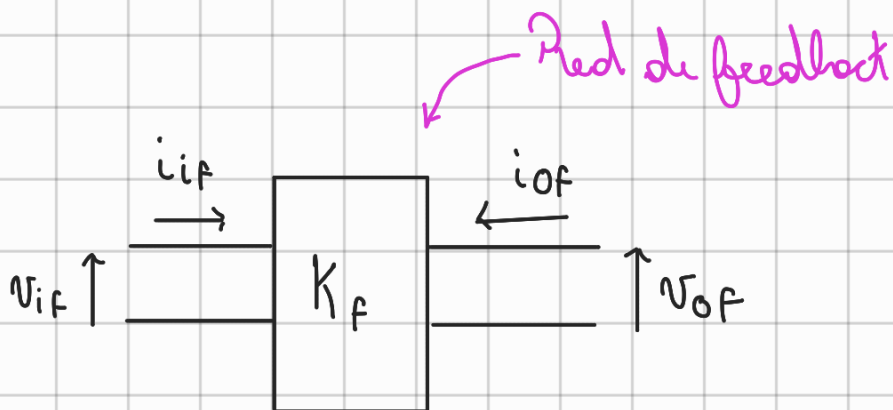
o no ideal:

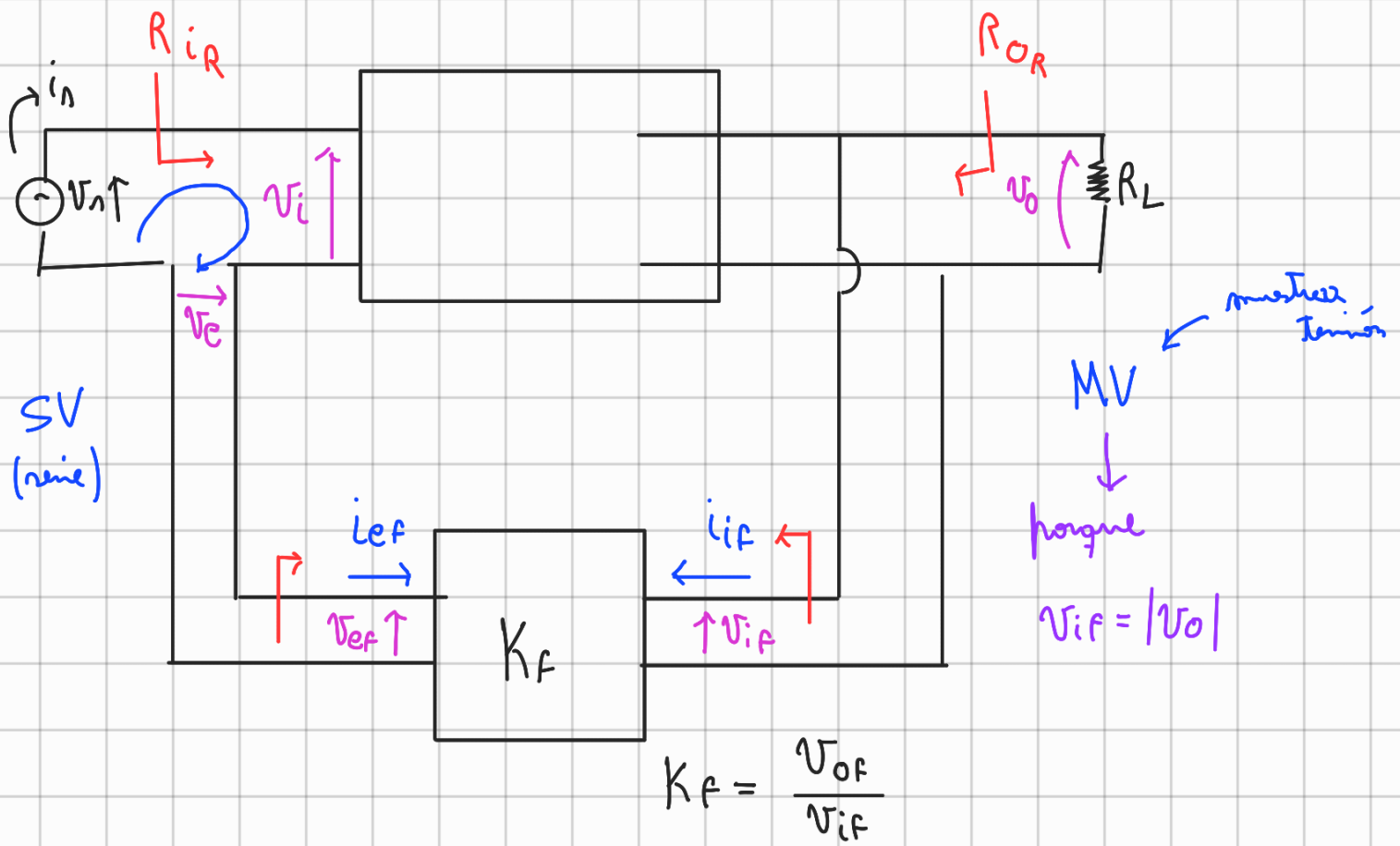


o Ideal:



Con el Feedback vamos a lograr acercarnos al ideal





Pedamentación negativa : $S_e = S_d - S_f$

Quando $v_d \oplus \rightarrow v_e \oplus$

$$R_{iR} = \frac{v_d}{i_d}$$

$$A_{v_o} = \frac{v_o}{v_i}$$

$$A_{v_R} = \frac{v_o}{v_d} = \frac{A_{v_o}}{1 + K_f A_{v_o}} = \frac{1}{K_f}$$

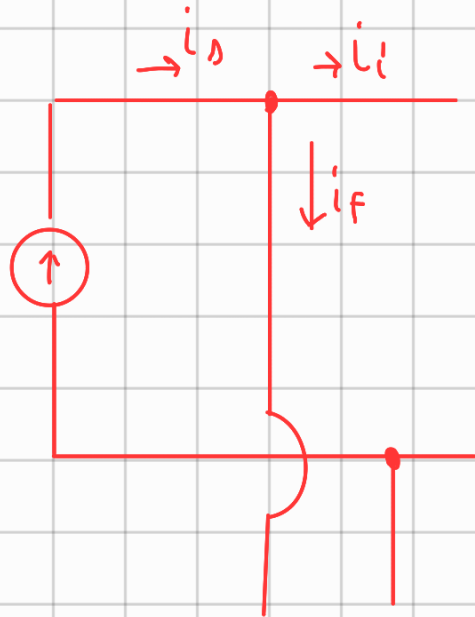
$\underbrace{1 + K_f A_{v_o}}_{=T, \approx 1}$

$R_{iR} \Rightarrow R_i$ (resistencia de entrada sin realimentar)

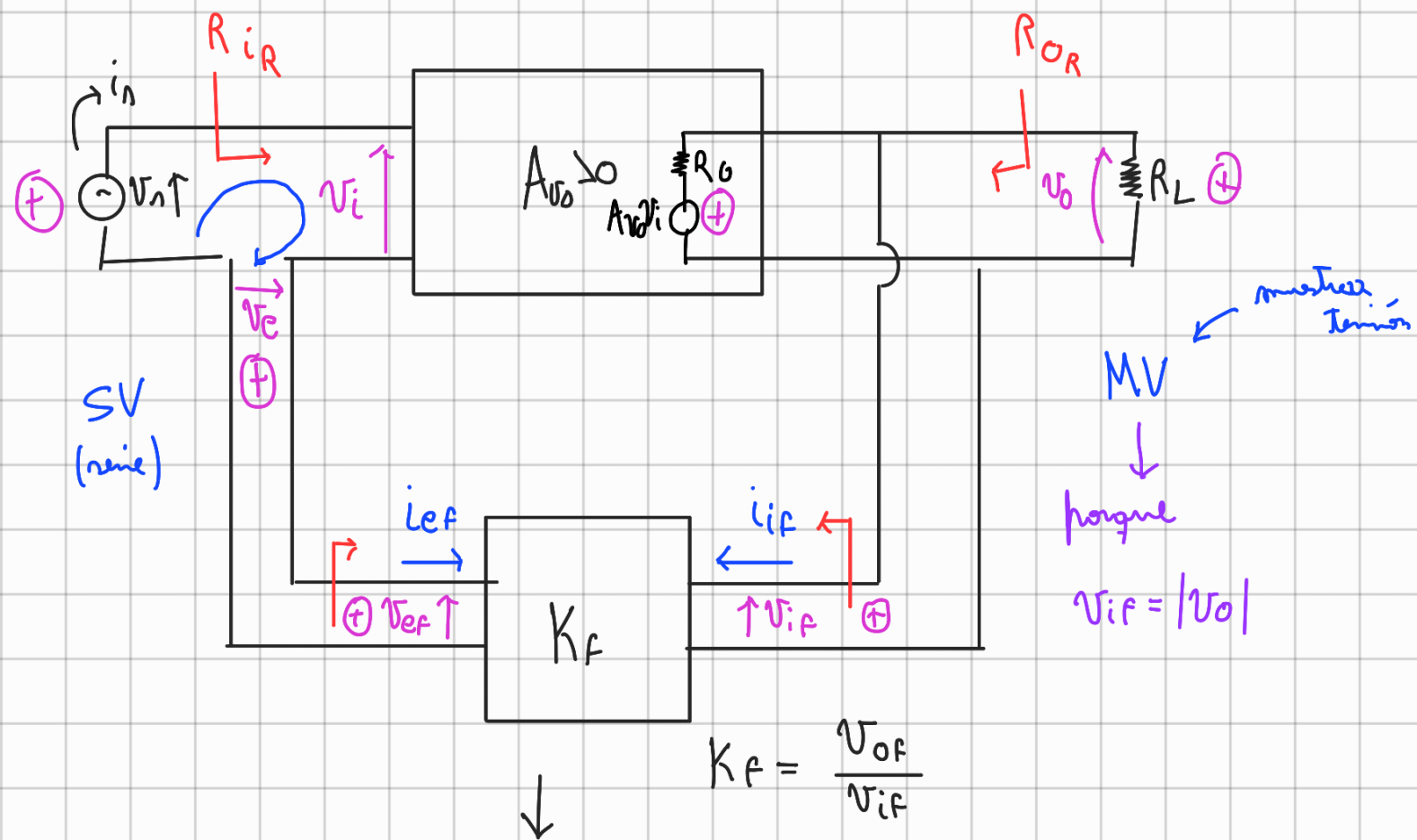
$$R_{iR} = R_i (1 + T), \quad T = A_{v0} K_f$$

$$R_{oR} = \frac{R_o}{(1 + T)}$$

Suma de corrientes:



$$i_D - i_f = i_i$$



Pour que ce système

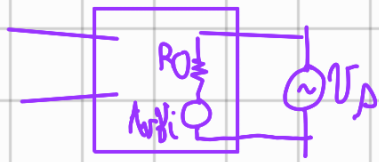
$$V_i = V_s - V_e$$

$\oplus \quad \oplus \quad \oplus$

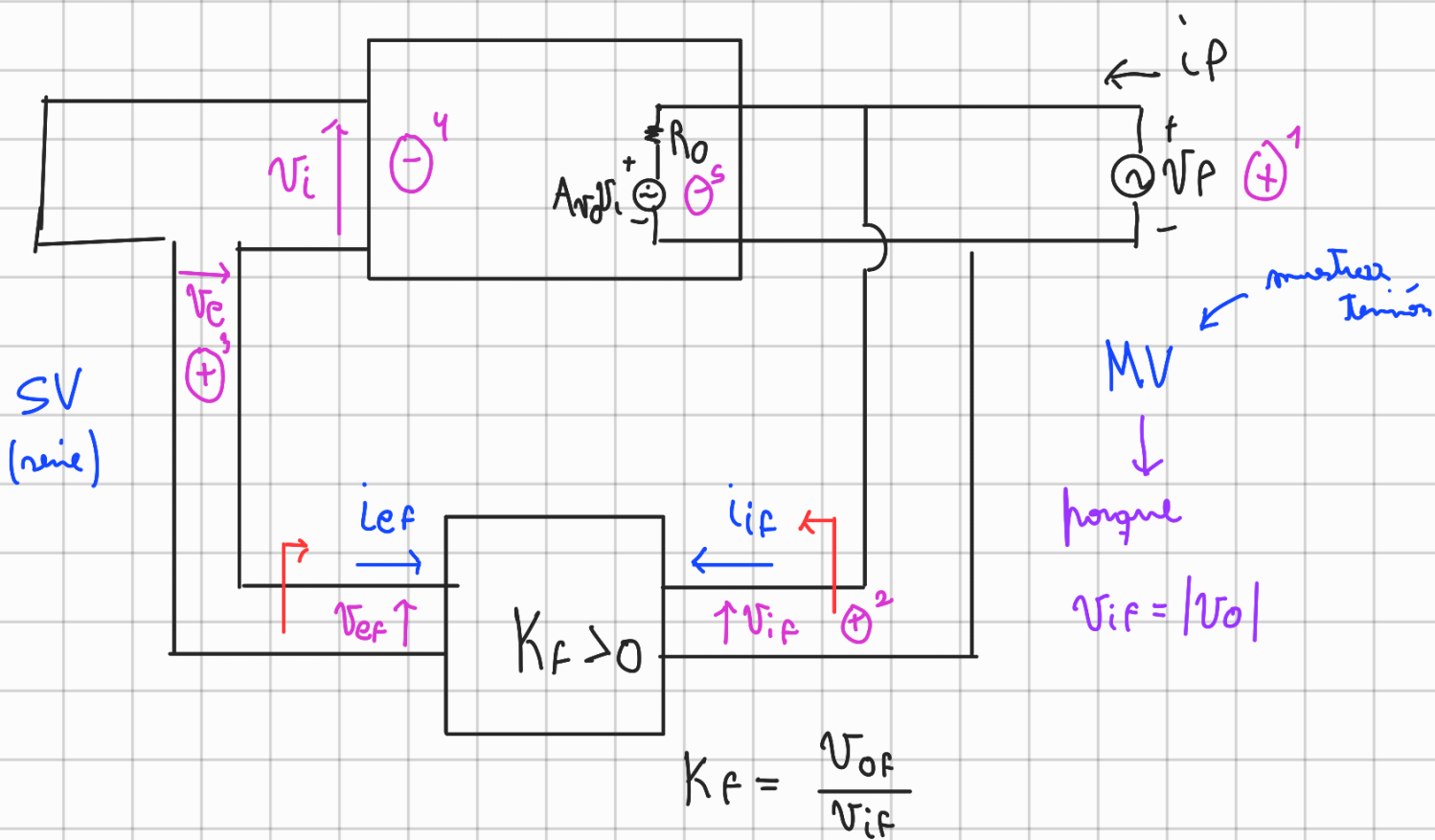
\downarrow

$$\Rightarrow K > 0$$

R_{OSR} (R_o in serie)



$$R_{OSR} = R_o = \frac{V_P}{i_P}$$



$$R_{OR} = \frac{V_P}{i_{PR}} \rightarrow i_{PR} > i_{PSR} \rightarrow R_{OR} < R_{OSR}$$

pourque $A_{vo} V_i \downarrow \Rightarrow V_P$ augmente

