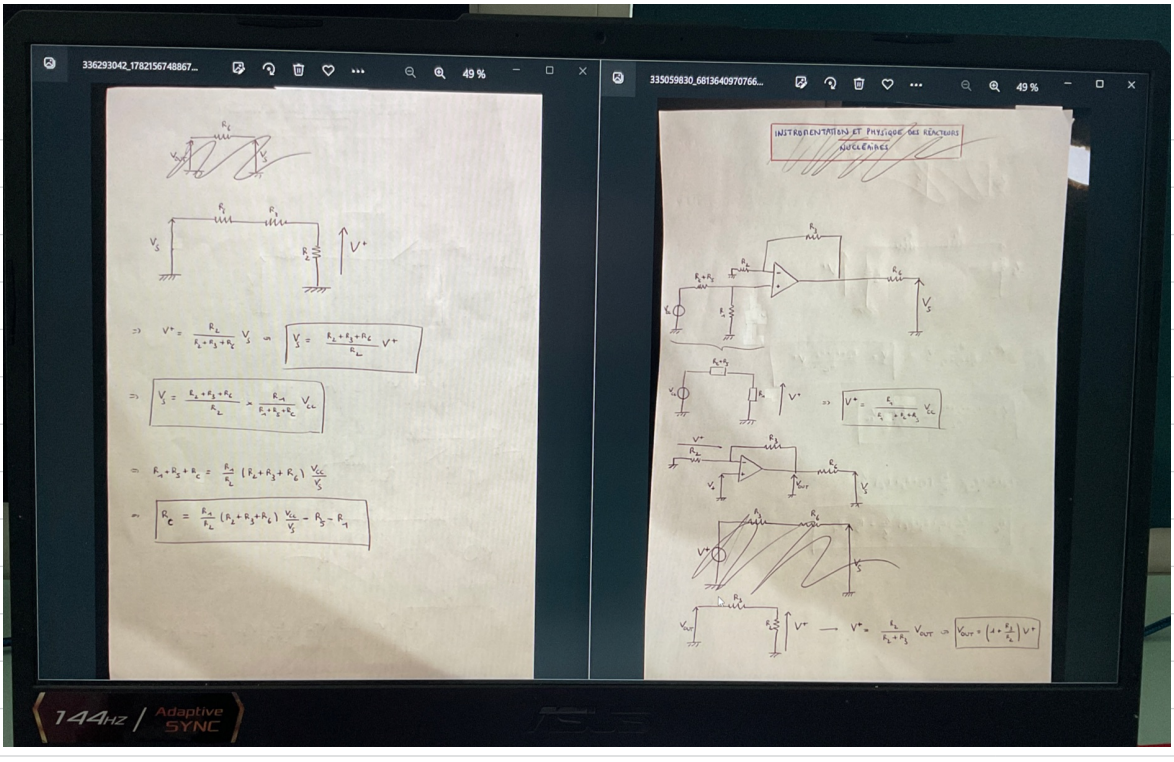

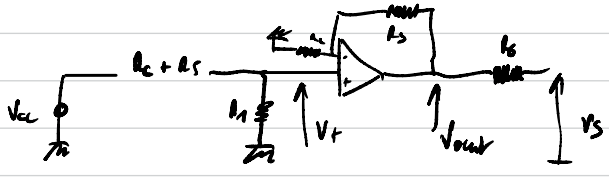

$V_{out} = V_S$

- $V_+ = \frac{R_1}{R_1+R_5+R_C} V_{cc}$

$\Rightarrow$ donc $V_{out} = \frac{R_2+R_3}{R_2} \times \frac{R_1}{R_1+R_5+R_C} V_{cc}$

- $\frac{V_{out}}{V_+} = 1 + \frac{R_3}{R_2}$

$\Rightarrow$ $\frac{R_1+R_5+R_C}{R_1} \times \frac{V_{out}}{V_{cc}} = \frac{R_2+R_3}{R_2}$

$\frac{R_C}{R_1} + \frac{R_5+R_1}{R_1} = \frac{R_2+R_3}{R_2} \frac{V_{cc}}{V_{out}}$

$R_C = \left(\left(\frac{R_2+R_3}{R_2} \frac{V_{cc}}{V_{out}} \right) - \frac{R_5+R_1}{R_1} \right) \times R_1$

$= \left(R_1 \times \frac{R_2+R_3}{R_2} \frac{V_{cc}}{V_{out}} \right) - R_5 - R_1$