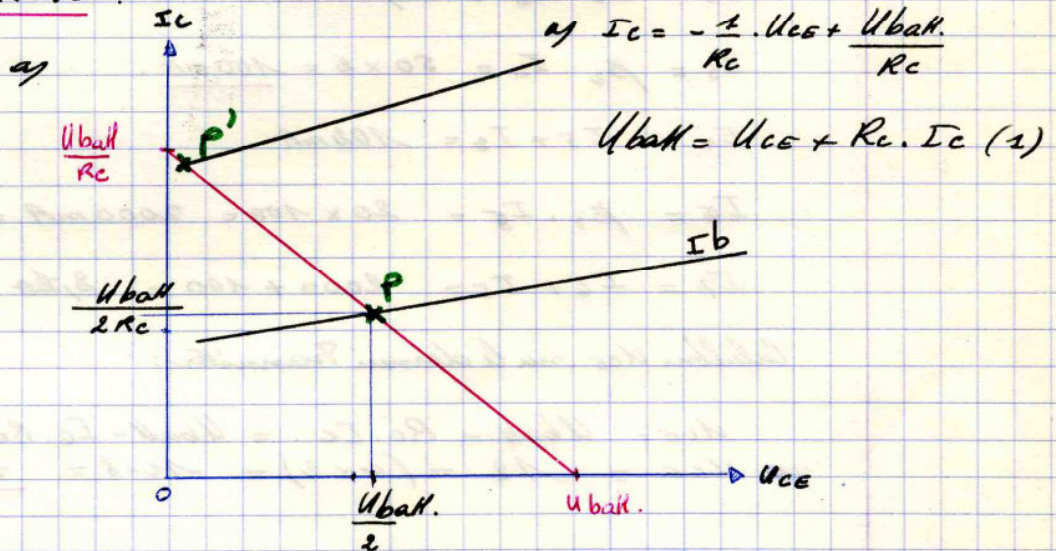


a) $R'_1 = \frac{U_{batt} - U_{CE}}{I_B} = \frac{18 - 3,6}{10} = \underline{1,44 \text{ M}\Omega}$

b) $R''_1 = \frac{U_{CE} - U_{BE}}{I_B} = \frac{6 - 0,7}{0,01} = \frac{2,14}{0,01} = \underline{214 \text{ k}\Omega}$

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b) $I_C = \beta \cdot I_B + I_{CE0} \Rightarrow \underline{I_C \neq \beta \cdot I_B}$

$I_B = \frac{U_{batt} - U_{BE}}{R_p} \Rightarrow \underline{I_B \neq \frac{U_{batt}}{R_p}}$

a) D'après l'équation (1) $U_{batt} = \frac{U_{batt}}{2} + R_c \cdot \beta \cdot \frac{U_{batt}}{R_p}$

$\frac{U_{batt}}{2} = U_{batt} \cdot \frac{R_c \cdot \beta}{R_p} \Rightarrow \underline{R_p = 2\beta \cdot R_c}$

a) Transistor saturé: (point de repos en P')

$I_C \text{ double} \Rightarrow I_B \text{ double} \Rightarrow R_p \text{ moitié. } \underline{R_p = \beta \cdot R_c}$