TP1 = Sources de courrant et de tension



$$I_{\chi} = 5 \text{ mA}$$
. $I_{S} = I_{R} - I_{\chi} \Rightarrow I_{R} = I_{S} + I_{\chi}$

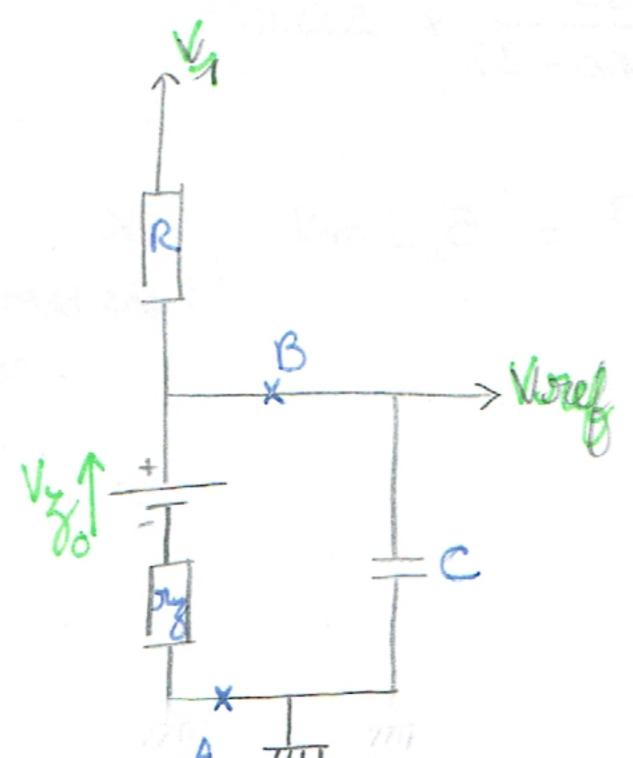
$$= 6 \text{ mA}$$
.

$$V_{A} = V_{R} + V_{3T}$$
 \Rightarrow $V_{R} = V_{A} - V_{ZT}$

31 org < 35 sq.

$$\sqrt{3}_{7} = \sqrt{3}_{0} + 3\sqrt{3} = \sqrt{3}_{0} = \sqrt{3}_{7} - 3\sqrt{3} = \sqrt{3}_{7}$$

$$= 51 - 35 \times 35$$



$$= 5 \times 35 \times 5.10^{-3}$$

$$= 5 \times 1 - 35 \times 5.10^{-3}$$

$$= 4,925 \text{ V}.$$