$$V_{10} = 0.75 \text{ V} \quad V_{CESAT} = 0.2 \text{ V} \quad C = 20 \text{ pf}$$

$$V_{10} = 3.5 \text{ V} \quad \beta_{F=100}$$

$$P_{11} = 0.75 \text{ V} \quad \beta_{F=100}$$

ai : l'haps d' proposossue sur 145

→ c'é condentere, ometis d'inomice

-s consideragion preliminari

P-M03

OFF:
$$V_{Sq} < |V_{Tp}|$$
, $I_{0=0}$

SAT: $V_{S0} > V_{SG} - |V_{Tp}|$, $I_{0} = \frac{\beta_{p}}{2} \left(V_{SG} - |V_{Tp}|\right)^{2}$

LIN: $V_{S0} < V_{SG} - |V_{Tp}|$
 $I_{0} = \frac{\beta_{p}}{2} \left(V_{SG} - |V_{Tp}|\right)^{2}$

-strouve volos con and so statice

· V: < Vx ⇒ T=OFF → I(=0 → I)=0 Ic= coliettens ipolizzare se LIN o SAT

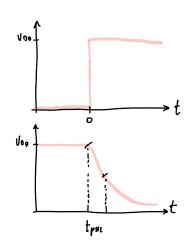
1837091

$$\frac{V_{p} \cdot M = UN}{V_{p} \cdot M = UN} \rightarrow \frac{V_{p}}{V_{p}} = \frac{P_{p}[(V_{so} - |V_{\tau e}|) V_{so} - \frac{V_{so}^{2}}{2}]}{V_{so} = 0} = 0$$

$$= V_{so} = V_{so} - V_{v} \rightarrow V_{v} = V_{so} = V_{m} \rightarrow \text{ colaborator}$$

VERIFICATAMO IPOTESI LINGARITA

· TMNSITURIP - COND. DIMAMICUE - ANALISI CORRENTI



$$\int_{0}^{\infty} dt = \int_{0}^{\infty} \frac{-Rc}{\rho_{P}(y_{0}, V_{i})} dV_{i}$$

$$I_{c=\beta F} I_{\beta} = \beta F \frac{V_{00} - V_{F}}{V_{00}}$$

$$I_{covo} = -C \frac{\partial V_{0}}{\partial t}$$

$$I_{covo} = I_{c}$$

$$I_{covo} = I_{c}$$

MA time = 10" -> R= 8.33ks