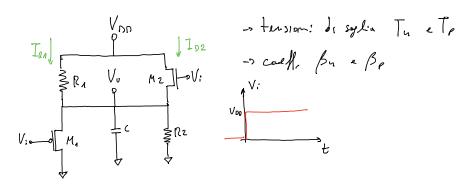
TEMPO POPAGAZIONE



- d: mensionere Re in medo de por tro la poteza stolica dissipala dal circuilo su Poss = 1.8 m W
- calceler vlordo propaya 3) are to one de la transisione seguale

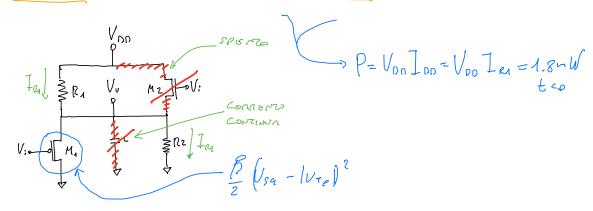
$$P = V_{DD} I_{DD} = V_{DD} \left(I_{\alpha_1} + I_{D2} \right)$$

$$= 4.8 \text{ m W}$$

DIMENSIONAMENTO LOSISTENZA

.. V: pur varione -> ok varionismi Infinitesme
$$\int_{-\infty}^{\infty} V_{0}(\bar{o}) = V_{0}(\bar{o}^{\dagger})$$
 .. Vo ha coporte -> No " "

M1 SAT



$$\begin{bmatrix}
I_{\alpha_1} = I_{D_1} + I_{\alpha_2} \\
I_{D} = \frac{\beta}{2} (V_{s_1} - |V_{\tau_0}|)^2 \rightarrow R_1 \approx 8.2 \, \text{kg} \Rightarrow V_u = 0.925 \, \text{ok}$$

$$I_{\alpha_1} = P_{0,s_1} / V_{00}$$

$$I_{\alpha_1} = P_{0,s_1} / V_{00}$$

$$\Rightarrow R_1 = 5 \, \text{kg}$$

sodetermendo quale vale Va a 0 => 0 + -> condigione inigiale franctionia Vu = 0.128V

TEMPO PROPAGAZIONE

-> tego), porte loje en foe meta es curpone

sudore a regine tosto

IPOTEST: MY OFF MZ SAT

$$\Rightarrow \frac{V_{DD} - V_{u}}{\beta_{u}} + \frac{\beta_{u}}{2} \left(V_{r} - V_{u} - V_{\tau}\right)^{2} = \frac{V_{u}}{\epsilon_{2}}$$

$$\Rightarrow \frac{\sqrt{\rho_0 - V_0}}{a_1} + \frac{\beta_N}{z} \left(\sqrt{\rho_0 - V_0 - V_{\tau_N}} \right)^2 = \frac{V_0}{a_2}$$

-> DUE VACAN POSSIBILI

TANSITORIO

Consider i

FUNTEMENTS NO $f \rightarrow +\infty$

M1 are M2 SAT

$$\int I_{01} + I_{02} = I_{02} + \left(\frac{\partial V_{0}}{\partial t}\right)$$

$$\int J_{01} + \frac{V_{03} - V_{0}}{Q_{1}}$$

$$\int J_{02} = \frac{V_{03} - V_{0}}{Q_{1}}$$

$$\int J_{02} = \frac{V_{03} - V_{0}}{Q_{1}}$$

$$\int J_{03} + \frac{C}{J_{01} + J_{02} - J_{02}} dV_{03}$$

$$\int J_{02} = \frac{C}{J_{01}} + \frac{C}{J_{02} - J_{02}} dV_{03}$$

$$\int J_{03} + \frac{C}{J_{01} + J_{02} - J_{02}} dV_{03}$$

$$\int J_{03} + \frac{C}{J_{01} + J_{02} - J_{02}} dV_{03}$$

$$\int J_{03} + \frac{C}{J_{01} + J_{02} - J_{02}} dV_{03}$$

$$\int J_{03} + \frac{C}{J_{01} + J_{02} - J_{02}} dV_{03}$$

$$\int J_{03} + \frac{C}{J_{01} + J_{02} - J_{02}} dV_{03}$$

$$\int J_{03} + \frac{C}{J_{01} + J_{02} - J_{02}} dV_{03}$$

$$\int J_{03} + \frac{C}{J_{01} + J_{02} - J_{02}} dV_{03}$$

$$\int J_{03} + \frac{C}{J_{01} + J_{02} - J_{02}} dV_{03}$$

$$\int J_{03} + \frac{C}{J_{01} + J_{02} - J_{02}} dV_{03}$$

$$\int J_{03} + \frac{C}{J_{03} + J_{02} - J_{02}} dV_{03}$$

$$\int J_{03} + \frac{C}{J_{03} + J_{02} - J_{02}} dV_{03}$$

$$\int J_{03} + \frac{C}{J_{03} + J_{02} - J_{02}} dV_{03}$$

$$\int J_{03} + \frac{C}{J_{03} + J_{02} - J_{02}} dV_{03}$$

$$\int J_{03} + \frac{C}{J_{03} + J_{03} - J_{02}} dV_{03}$$

$$\int J_{03} + \frac{C}{J_{03} + J_{03} - J_{02}} dV_{03}$$

$$\int J_{03} + \frac{C}{J_{03} + J_{03} - J_{03}} dV_{03}$$

$$\int J_{03} + \frac{C}{J_{03} + J_{03} - J_{03}} dV_{03}$$

$$\int J_{03} + \frac{C}{J_{03} + J_{03} - J_{03}} dV_{03}$$

$$\int J_{03} + \frac{C}{J_{03} + J_{03}} dV_{03}$$

$$\int J_{03} + \frac{C}{$$

$$\frac{\delta V_n}{\delta t} = \left(2n + 102 - 2n2 \right) \qquad \left(\delta V_n = \left(2n + 202 - 2n2 \right) \delta t$$