tores NMOSFET de canal preformado. El diagrama circuit
el de la Fig. 1:

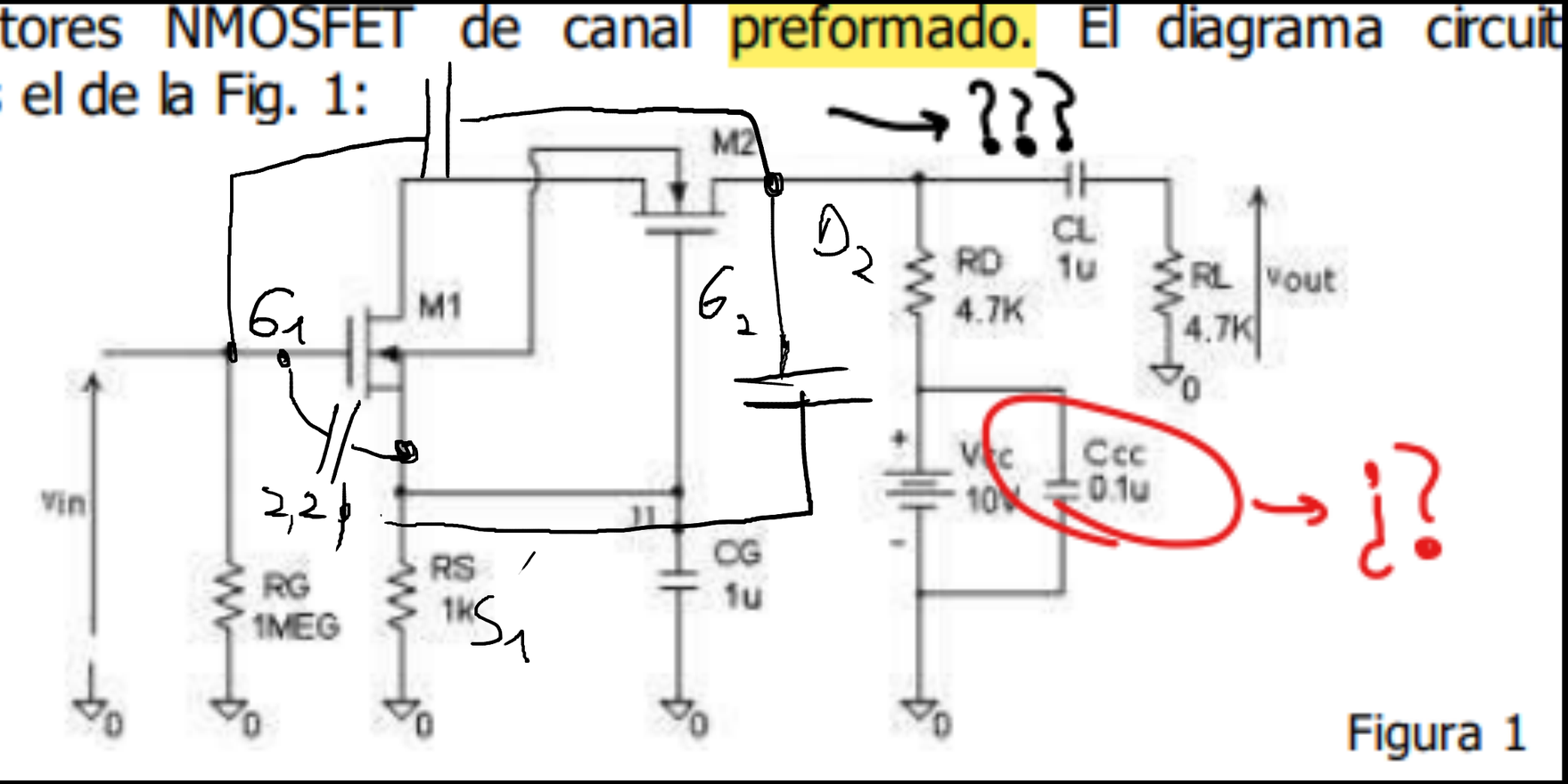
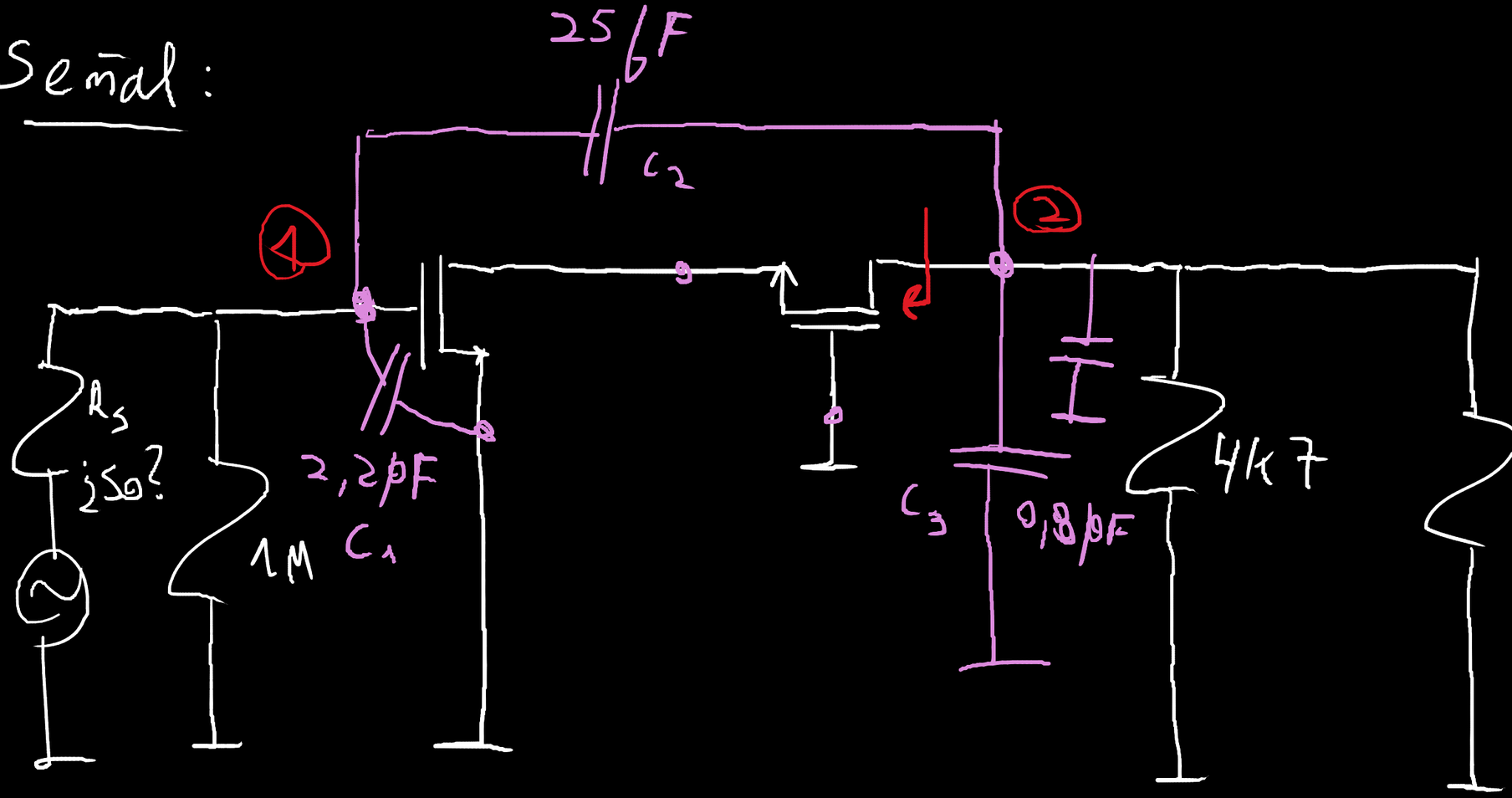


Figura 1

Señal:



Polarización

$I_{D_1} = I_{D_2} = 695\,mA$

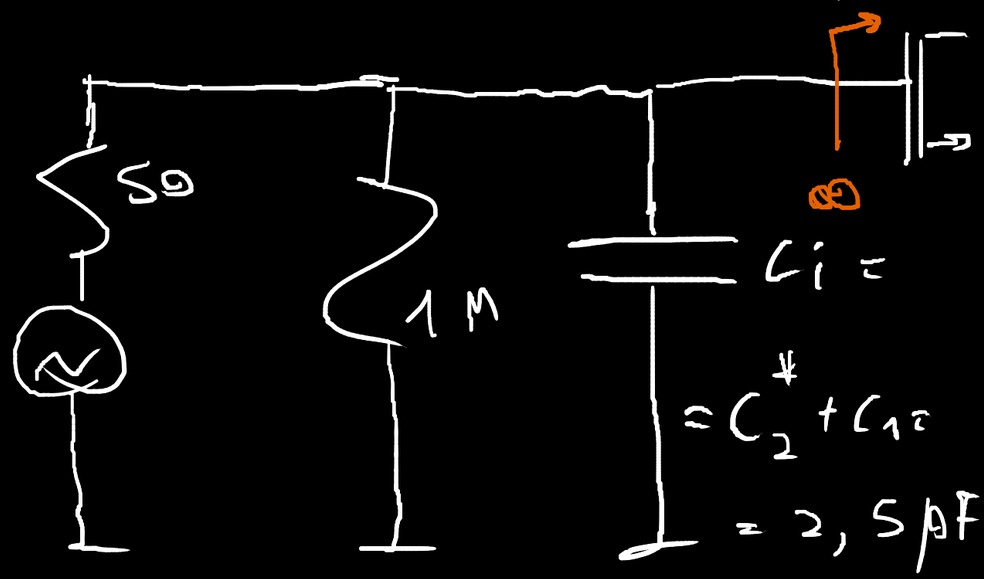
$g_{m_1} = 4,6\,\frac{mA}{V}$

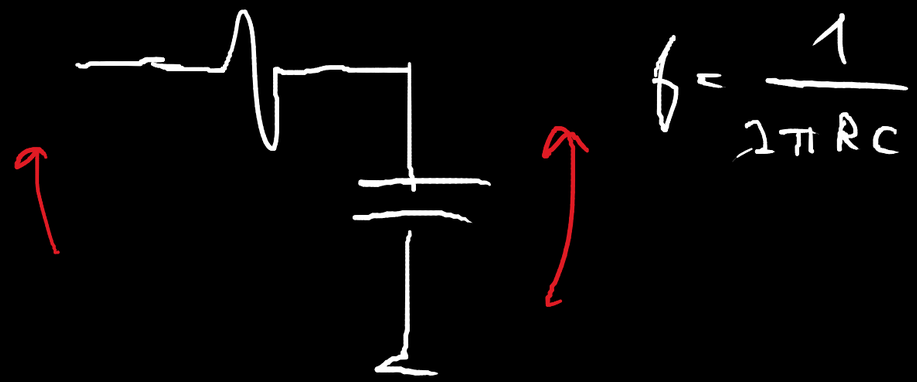
$g_{m_2} = 17\,mA/V$

$A_{v_{total}} = -10,81$

N.1 $C_{2i}^{*} = (1 - A_V) C_2 = 235{,}25\ fF$

$= 0{,}3\ pF$



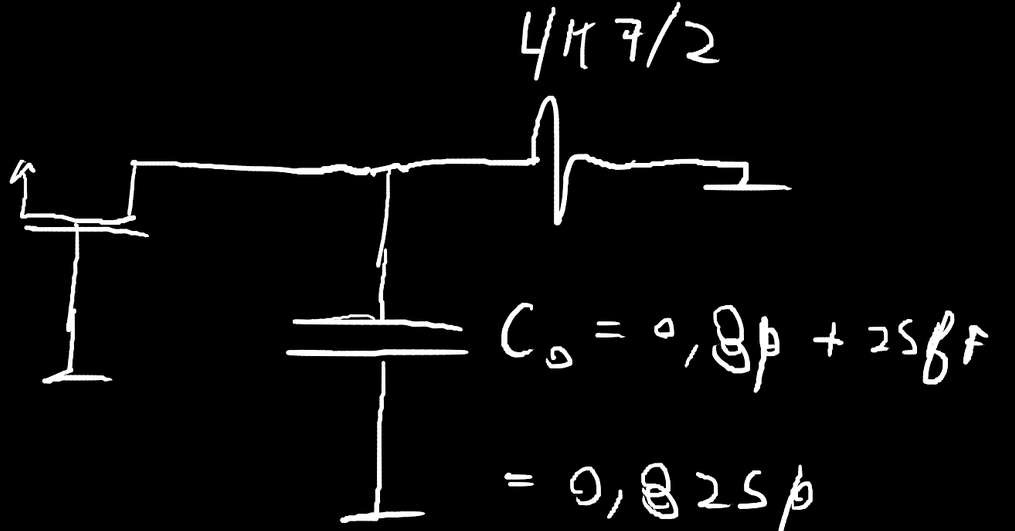


$f = \frac{1}{2\pi RC}$

$f_{N1} = \frac{1}{2\pi C_i \cdot 50} = 1{,}27\ GHz$

$A_{V\,inv} \cong 0$

N2 $C_{2\,0}^{*} = (1 - A_{V\,inv}) C_2 \cong C_2$



$$f_{N_2} = \frac{1}{2\pi \cdot C_{N_2} R_{N_2}} = 82{,}1\,MHz$$