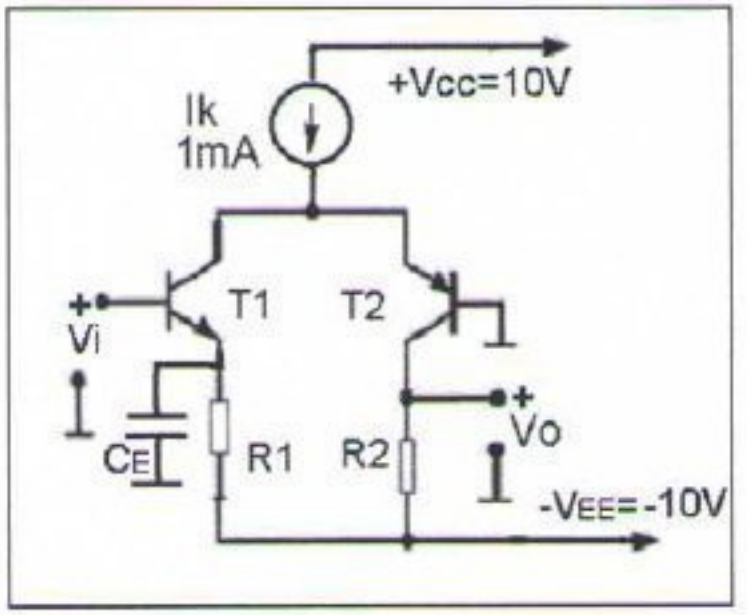
For DC
Vi=0
Vo is at the middle of the interval in which T2 is in the active region

β_F=200 $|V_{BE}|$=0,6V VT=25mV

$gm_2 = 4\,gm_1$



R1=? R2=?

$g_{M2} = 4\,g_{M1} \rightarrow \frac{I_{C2}}{V_T} = 4\,\frac{I_{C1}}{V_T}$

$I_{C2} = 4\,I_{C1}$ $I_{C2} + I_{C1} = 1mA$

$\downarrow$

$I_{C2} = 0,8mA$ $I_{C1} = 0,2mA$

$V_{R1_{DC}} = V_i - 0,6V - (-10V) = 9,4V$

$I_{R1} = I_{C1} \rightarrow R_1 = \frac{V_{R1}}{I_{R1}} = 47k$

$V_{C2max} = V_{B2} = 0$ $V_{Cmin} = -V_{EE} = -10V$

$V_O = \frac{V_{C2max} + V_{Cmin}}{2} = -5V \Rightarrow V_{R2_{DC}} = 5V$

$I_{R2} = I_{C2} = 0,8mA \rightarrow R_2 = \frac{V_{R2}}{I_{R2}} = 6,25k$