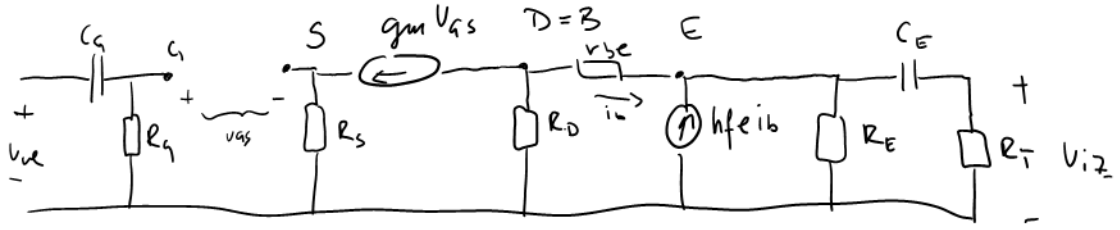
2) statična ne znam.

b)



c) $U_{iz} = (1+h_{fe}) i_b \cdot R_E \| R_T$ $\quad -g_m U_{GS} \cdot R_D \| r_{be} = i_b \cdot r_{be}$

$U_{ul} = U_{GS} + g_m U_{GS} R_S$

$$A_V = \frac{U_{iz}}{U_{ul}} = \frac{U_{iz}}{i_b} \cdot \frac{i_b}{U_{GS}} \cdot \frac{U_{GS}}{U_{ul}} = (1+h_{fe}) \cdot R_t \| R_T \cdot \frac{-g_m R_D \| r_{be}}{r_{be}} \cdot \frac{1}{1+g_m R_S}$$

d) $\tau_{C_G} = C_G \cdot R_G$

$$\tau_{C_E} = C_E \cdot \left(R_T + R_E \| \left(\frac{r_{be} + R_D}{1+h_{fe}} \right) \right)$$