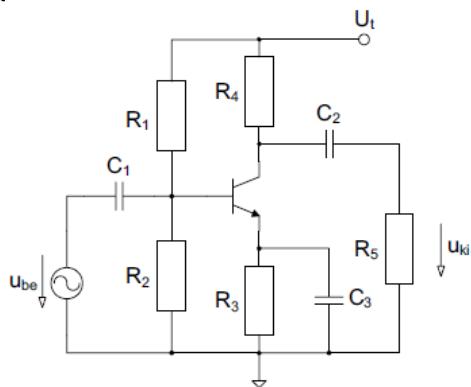


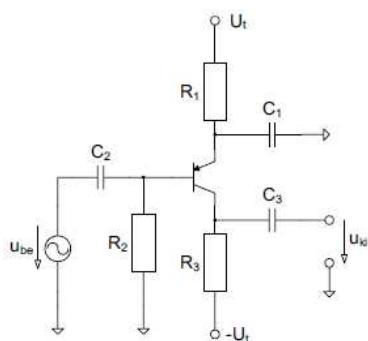
1. feladat



$$\begin{aligned}U_t &= 12 \text{ V} \\I_{C0} &= 0,3 \text{ mA} \\B &= 100 \\U_{BE0} &= 0,6 \text{ V} \\R_1 &= 900 \text{ k}\Omega \\R_2 &= 100 \text{ k}\Omega \\R_4 &= 2 \text{ k}\Omega \\R_5 &= 10 \text{ k}\Omega\end{aligned}$$

$$\begin{aligned}R_3 &=? \quad (1,089 \text{ k}\Omega) \\U_{CB0} &=? \quad (10,47 \text{ V})\end{aligned}$$

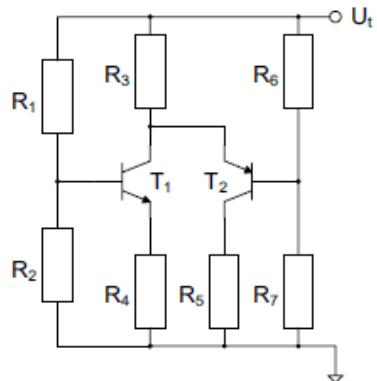
2. feladat



$$\begin{aligned}B &= 100 \\U_{EB0} &= 0,6 \text{ V} \\R_1 &= 7 \text{ k}\Omega \\R_2 &= 20 \text{ k}\Omega \\R_3 &= 3 \text{ k}\Omega \\U_t &= 15 \text{ V}\end{aligned}$$

$$\begin{aligned}I_{C0} &=? \quad (1,98 \text{ mA}) \\U_{BC0} &=? \quad (9,454 \text{ V})\end{aligned}$$

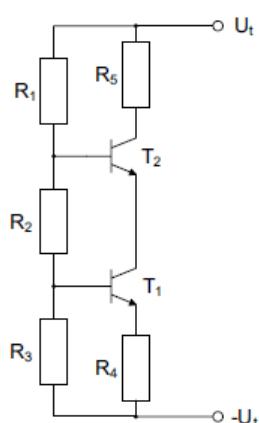
3. feladat



$$\begin{aligned}U_{BE01} &= U_{BE02} = 0,6 \text{ V} \\B_1 &= B_2 = \infty \\R_1 &= 7 \text{ k}\Omega & R_5 &= 2 \text{ k}\Omega \\R_2 &= 2 \text{ k}\Omega & R_6 &= 3,6 \text{ k}\Omega \\R_3 &= 10 \text{ k}\Omega & R_7 &= 5,4 \text{ k}\Omega \\R_4 &= 14 \text{ k}\Omega & U_t &= 9 \text{ V}\end{aligned}$$

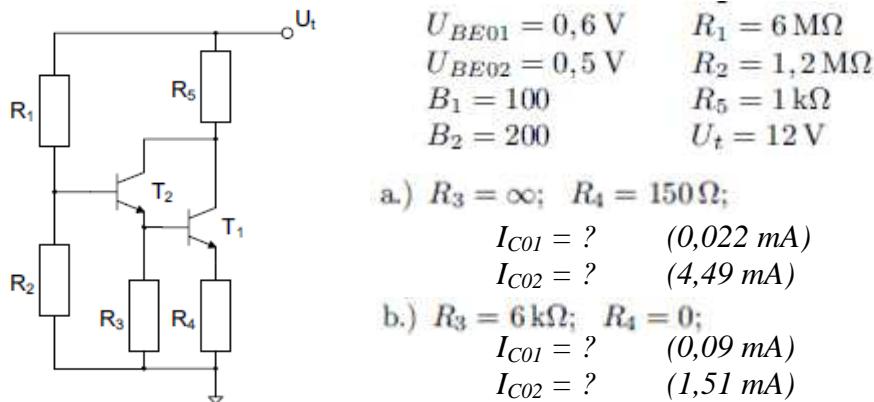
$$\begin{aligned}I_{C01} &=? \quad (0,1 \text{ mA}) \\I_{C02} &=? \quad (0,2 \text{ mA})\end{aligned}$$

4. feladat

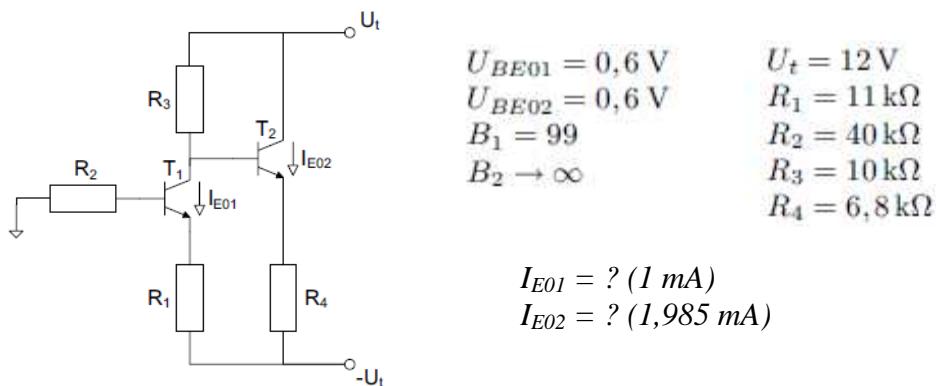


$$\begin{aligned}U_{BE01} &= U_{BE02} = 0,6 \text{ V} \\B_1 &= B_2 = \infty \\R_1 &= 7 \text{ k}\Omega & R_5 &= 2 \text{ k}\Omega \\R_2 &= 2 \text{ k}\Omega & R_6 &= 3,6 \text{ k}\Omega \\R_3 &= 10 \text{ k}\Omega & R_7 &= 5,4 \text{ k}\Omega \\R_4 &= 14 \text{ k}\Omega & U_t &= 9 \text{ V} \\I_{C01} &=? \quad (0,634 \text{ mA}) \\I_{C02} &=? \quad (0,634 \text{ mA}) \\U_{CE01} &=? \quad (5,21 \text{ V}) \\U_{CE02} &=? \quad (2,65 \text{ V})\end{aligned}$$

5. feladat



6. feladat



7. feladat

