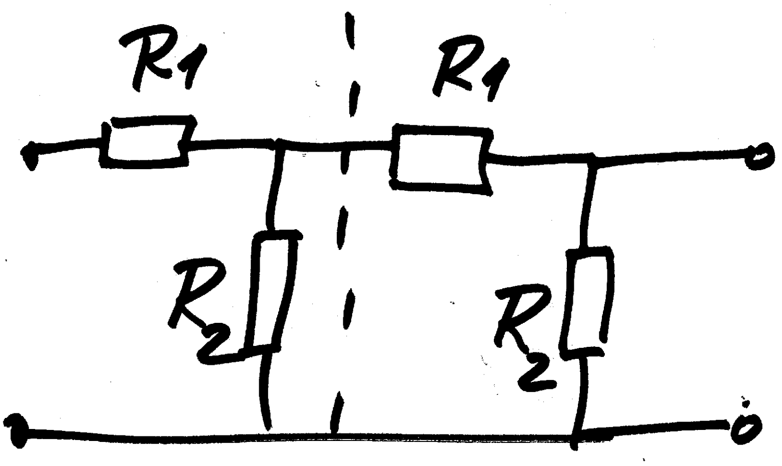
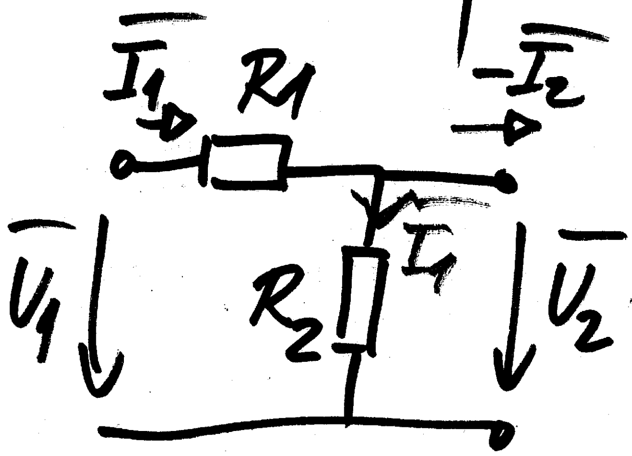
ESTE 3

1) arăle U_1 jestlisi $U_2 = 60V$



$R_1 = 10\Omega$

$R_2 = 5\Omega$

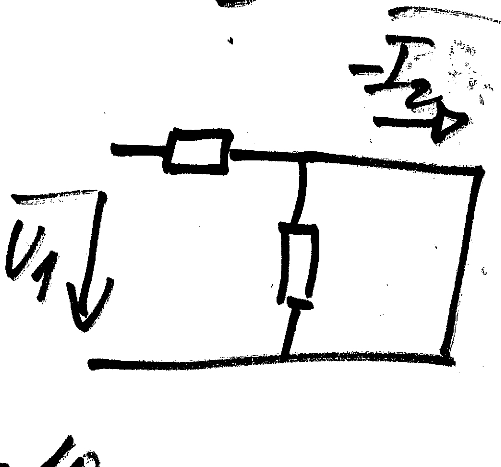


$$\overline{U_1} = \overline{a_{11}}\,\overline{U_2} + \overline{a_{12}}(-\overline{I_2})$$

$$\overline{I_1} = \overline{a_{21}}\,\overline{U_2} + \overline{a_{22}}(-\overline{I_2})$$

$$a_{11} = \frac{\overline{U_1}}{\overline{U_2}}\Bigg|_{\overline{I_2}=0} = \frac{\frac{\overline{U_2}}{R_2}(R_1+R_2)}{\overline{U_2}} = \frac{R_1+R_2}{R_2} = 3$$

$$a_{12} = \frac{\overline{U_1}}{-\overline{I_2}}\Bigg|_{U_2=0} =$$



$$= \frac{R_1(-\overline{I_2})}{-I_2} = R_1 = 10$$