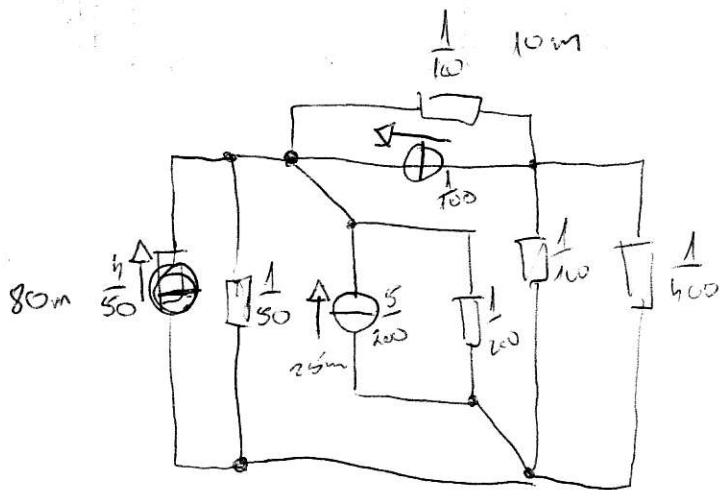
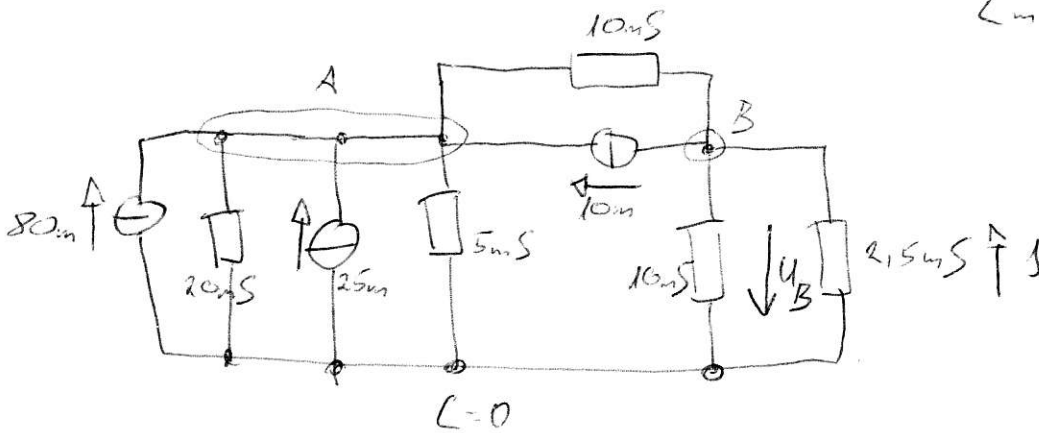


12.1.0.2.2.11



[mA, mS, V]



$$35U_A - 10U_B = 115$$

$$-10U_A + 22.5U_B = -10$$

$$-10U_B = 115 - 35U_A$$

$$\begin{vmatrix} 35 & -10 \\ -10 & 22.5 \end{vmatrix} \begin{vmatrix} 115 \\ -10 \end{vmatrix}$$

$$D = \begin{vmatrix} 35 & -10 \\ -10 & 22.5 \end{vmatrix} = 35 \cdot 22.5 - (-10 \cdot -10) = 687.5$$

$$D_B = \begin{vmatrix} 35 & 115 \\ -10 & -10 \end{vmatrix} = (35 \cdot -10) - (-10 \cdot 115) = -350 + 1150 = 800$$

$$U_B = \frac{D_B}{D} = \frac{800}{687.5} = 1.16V$$

$$I = \frac{U_B}{R} = \frac{1.16}{400} = 2.91mA$$