U[V]	R_1 [Ω]	R_2 [Ω]	R_3 [Ω]	R_4 [Ω]	R_5 [Ω]	R_6 [Ω]
180	250	315	615	180	460	120

Krok 1 - [TODO: write description]

$$R_{23} = R_2 + R_3 = 315 + 615 = 930\Omega$$
$$R_{123} = \frac{R_1 \times R_{23}}{R_1 + R_{23}} = \frac{180 \times 930}{180 + 930} = 150,810810810 81\Omega$$
$$R_{1234} = R_{123} + R_4 = 150,81081081081 + 180 = 330,810810810 81\Omega$$
$$R_i = \frac{R_5 \times R_{1234}}{R_5 + R_{1234}} = \frac{460 \times 330,81081081081}{460 + 330,81081081081} = 192.42652084757 32\Omega$$

Krok 2 Vypočítáme U_i pomocí I_B

$$\begin{pmatrix} R_1 + R_2 + R_3 & -R_2 - R_3 \\ -R_2 - R_3 & R_2 + R_3 + R_4 + R_5 + R_6 \end{pmatrix} \times \begin{pmatrix} I_A \\ I_B \end{pmatrix} = \begin{pmatrix} U \\ 0 \end{pmatrix}$$
$$\begin{pmatrix} 1180 & -930 \\ -930 & 1690 \end{pmatrix} \times \begin{pmatrix} I_A \\ I_B \end{pmatrix} = \begin{pmatrix} 180 \\ 0 \end{pmatrix}$$

Nyní vypočteme determinant matice.

$$M = \begin{vmatrix} 1180 & -930 \\ -930 & 1690 \end{vmatrix} = 2859100$$