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

Krok 1 - [TODO: write description]

$$R_{23} = R_2 + R_3 = 315 + 615 = 930\Omega$$

$$R_{123} = \frac{R_1 \times R_{23}}{R_1 + R_{23}} = \frac{180 \times 930}{180 + 930} = 150,81081081081\Omega$$

 $R_{1234} = R_{123} + R_4 = 150,81081081081 + 180 = 330,81081081081\Omega$

$$R_i = \frac{R_5 \times R_{1234}}{R_5 + R_{1234}} = \frac{460 \times 330, 81081081081}{460 + 330, 81081081081} = 192.4265208475732\Omega$$

Krok 2 Vypočítáme U_i pomocí I_B

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