

$U_1[\text{V}]$	$U_2 [\text{V}]$	$R_1 [\Omega]$	$R_2 [\Omega]$	$R_3 [\Omega]$	$R_4 [\Omega]$	$R_5 [\Omega]$	$R_6 [\Omega]$	$R_7 [\Omega]$	$R_8 [\Omega]$
100	80	450	810	190	220	220	720	260	180

$$U_{12} = U_1 + U_2 = 100 + 80 = 180V$$

$$R_{56} = R_5 + R_6 = 220 + 720 = 940\Omega$$

$$R_{78} = R_7 + R_8 = 260 + 180 = 440\Omega$$

Nyní provedeme transfiguraci trojúhelník hvězda

$$R_A = \frac{R_1 R_2}{R_1 + R_2 + R_3} = \frac{450 \cdot 810}{450 + 810 + 190} = \frac{364500}{1450} = 251.3793103448276\Omega$$

$$R_B = \frac{R_1 R_3}{R_1 + R_2 + R_3} = \frac{450 \cdot 190}{450 + 810 + 190} = \frac{85500}{1450} = 58.96551724137931\Omega$$

$$R_C = \frac{R_2 R_3}{R_1 + R_2 + R_3} = \frac{810 \cdot 190}{450 + 810 + 190} = \frac{153900}{1450} = 106.13793103448276\Omega$$