$U_1[V]$	U_2 [V]	$R_1 [\Omega]$	$R_2 [\Omega]$	L_1 [mH]	$L_2 [mH]$	$C_1 [\mu F]$	$C_2 [\mu F]$	f [Hz]
3	4	10	13	220	70	230	85	75

Nejprve si převedeme hodnoty na zakladní jednotky

$$L_1 = 220mH = 0.22H$$

$$L_2 = 70mH = 0.07H$$

$$C_1 = 230mH = 0.00023F$$

$$C_2 = 85mH = 0.000085F$$

$$\omega = 2\pi f = 2 \cdot \pi 75 = 471.23889803846896 //Addunits$$

$$Z_{L1} = 1j\omega L_1 = 1j \cdot 471.23889803846896 \cdot 0.22 = 103.67255756846318j \ \Omega$$

$$Z_{L2} = 1j\omega L_2 = 1j \cdot 471.23889803846896 \cdot 0.07 = 32.98672286269283j \ \Omega$$

$$Z_{C1} = -\frac{1j}{\omega C_1} = -\frac{1j}{471.23889803846896 \cdot 0.00023} = 9.226373512573643j \ \Omega$$

$$Z_{C2} = -\frac{1j}{\omega C_2} = -\frac{1j}{471.23889803846896 \cdot 0.000085} = 24.965481269316918j \ \Omega$$