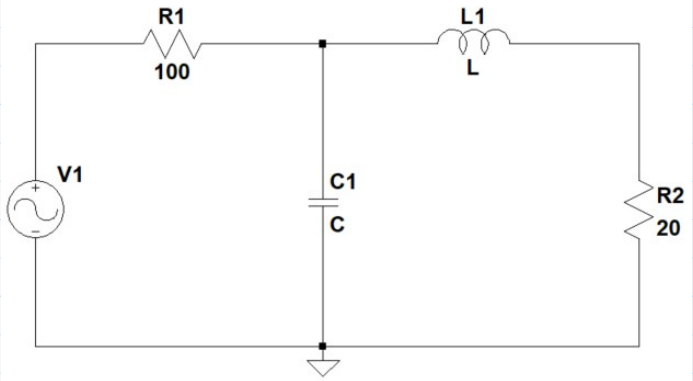

Den parallelle komponent placeres ved den højeste impedans

$R_p := 100\ \Omega$

$R_s := 20\ \Omega$

$Q_s := \sqrt{\frac{R_p}{R_s} - 1} = 2$

$Q_p := Q_s$

$X_p := \frac{R_p}{Q_p} = 50\ \Omega$

$X_s := Q_s \cdot R_s = 40\ \Omega$

Bestem L og C i lavpas impedans tilpasningen

$X_p = \frac{1}{250\ MHz \cdot 2\ \pi \cdot C} \xrightarrow{solve, C} \frac{1}{25000 \cdot \pi \cdot MHz \cdot \Omega} = 12.7\ pF$

$X_s = 250\ MHz \cdot 2\ \pi \cdot L \xrightarrow{solve, L} \frac{2 \cdot \Omega}{25 \cdot \pi \cdot MHz} = 25.5\ 10^{-9}\ H$