

2.65 Use Module 2.7 to design a quarter-wavelength transformer to match a load with $Z_L = (50 + j10) \Omega$ to a 100Ω line.

Solution: Figure P2.65 provides a summary of the two possible solutions, obtained by going through multiple steps to insert a $\lambda/4$ -transformer at either a voltage minimum or a maximum.

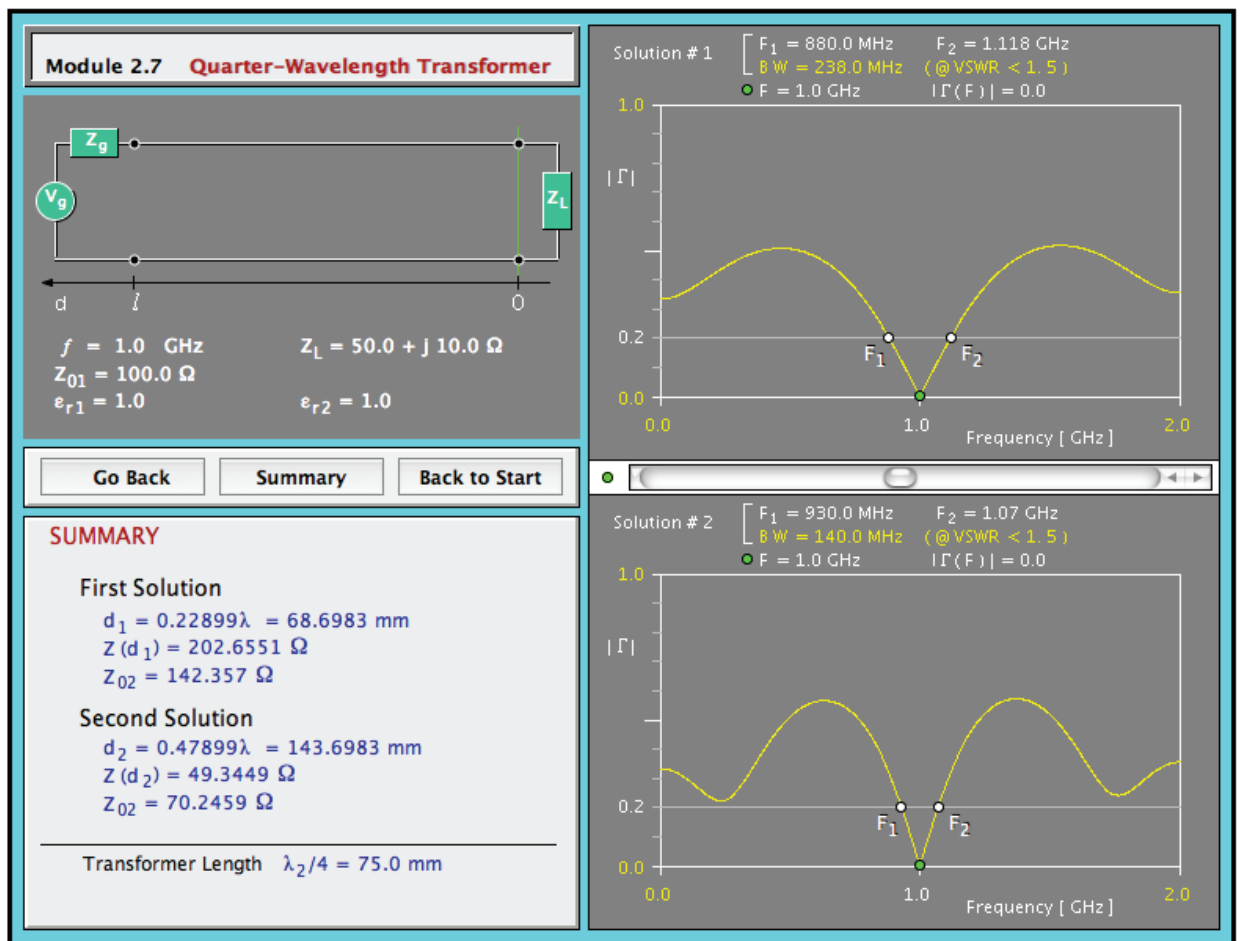


Figure P2.65