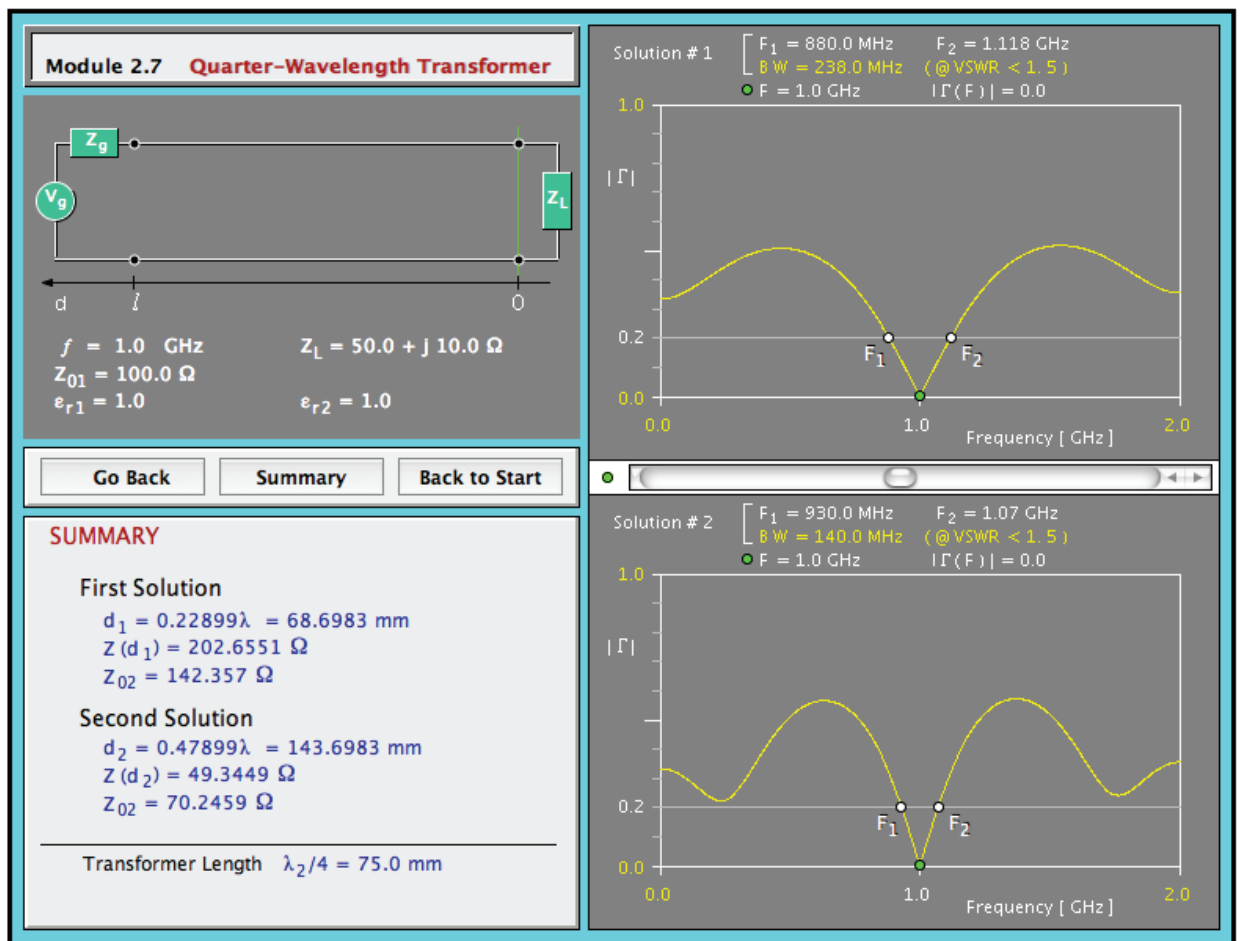


**2.65** Use CD Module 2.7 to design a quarter-wavelength transformer to match a load with  $Z_L = (50 + j10) \Omega$  to a  $100\text{-}\Omega$  line.

**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**