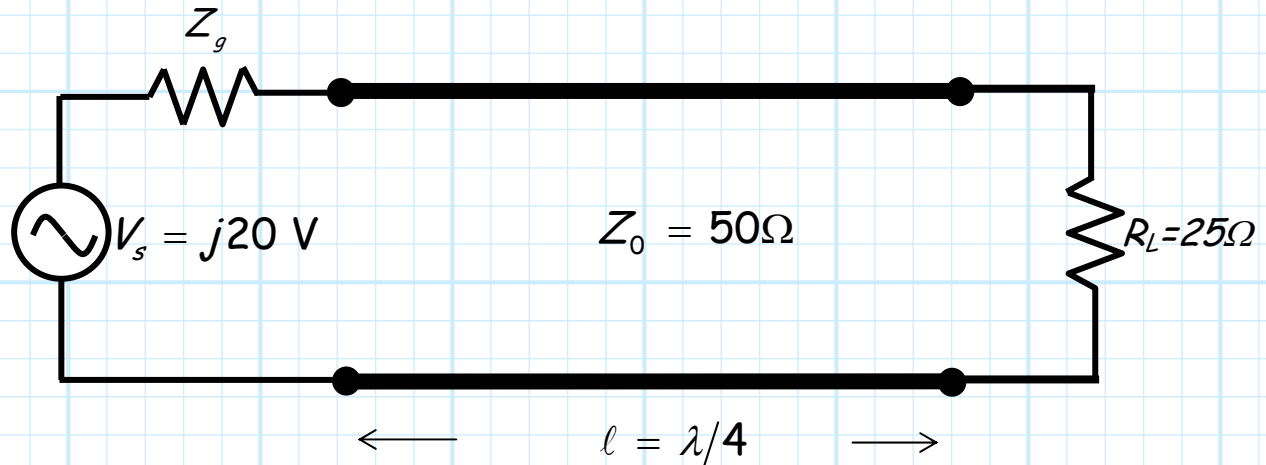


Special Problem 2.6-5

Consider this circuit, with a **lossless** transmission line of length $\ell = \lambda/4$.



1. Determine the value of **impedance** Z_g that maximizes the power absorbed by load R_L (be careful!).
2. Determine the power **absorbed** by R_L .
3. Determine the power **incident** on R_L .