Special Problem 2.3-15

Determine the **input impedance** Z_{in} of the network below.

Make sure you **explain** how you arrived at this result!

Hint: Don't make this hard!

$\ell = \lambda/4$

Z_{in}

$Z_0 = 50\Omega$ $100\ \Omega$

$Z_0 = 100\Omega$

$\ell = \lambda/2$

$j50\ \Omega$

$Z_0 = 75\Omega$ $\ell = \lambda/3$

75Ω