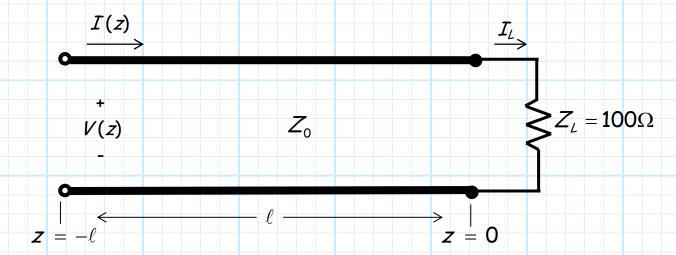
## Special Problem 2.3-13

Consider a terminated, lossless transmission line:



At location z=0, the wave **reflected from** load  $Z_{L}$  has the value:

$$V^-(z=0)=j$$

The current through the load is:

$$I_L = j0.04 A$$

Determine the characteristic impedance of the transmission line.