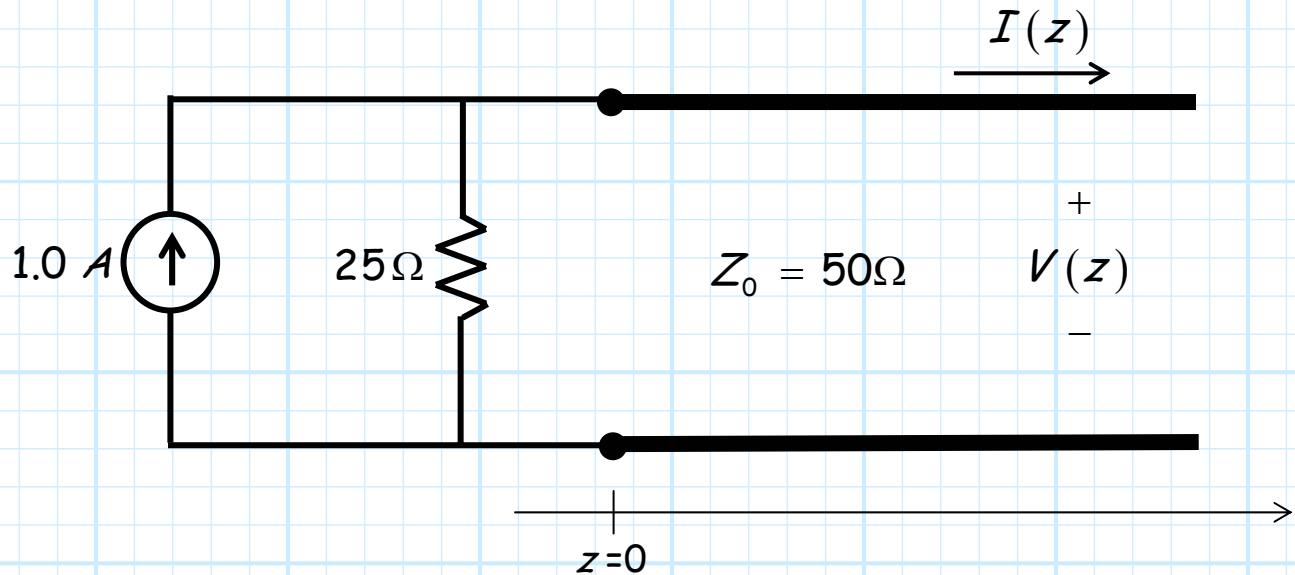


Special Problem 2.6-8

Consider the circuit below:



It is known that the **current** along the transmission line is:

$$I(z) = 0.4 e^{-j\beta z} - B e^{+j\beta z} \quad A \quad \text{for } z > 0$$

where B is some unknown complex value.

Determine the value of B .

Hint: $B \neq -0.6$