

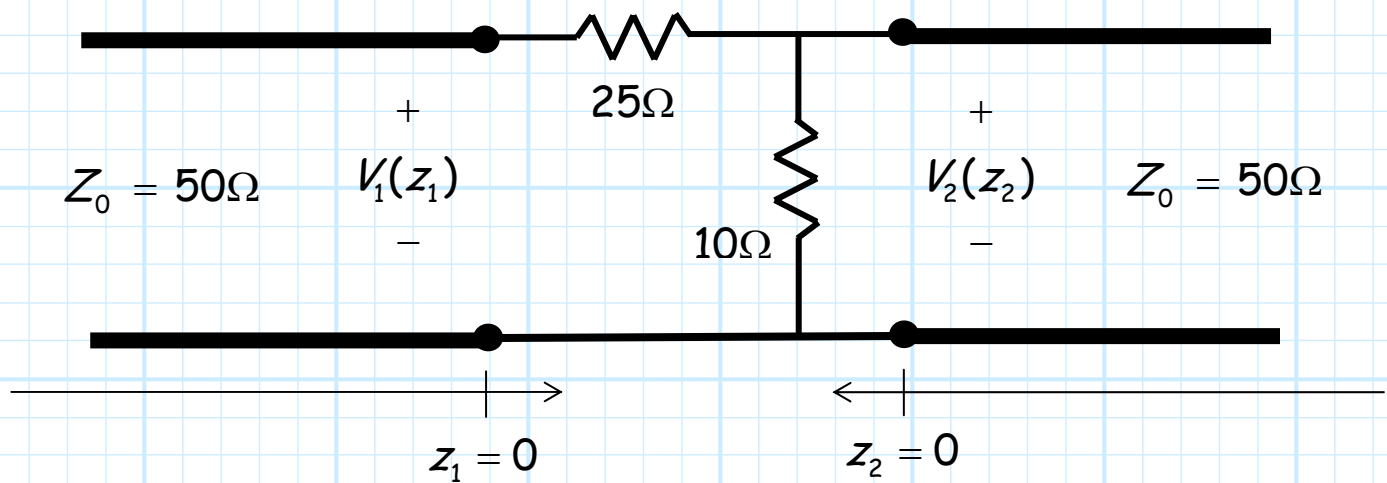
Special Problem 2.3-6

The **voltages** along the transmission lines shown below have the form:

$$V_1(z_1) = 5 e^{-j\beta z_1} + A e^{+j\beta z_1}$$

$$V_2(z_2) = B e^{+j\beta z_2}$$

Where A and B are some unknown complex constants.



Carefully apply the boundary conditions at $z_1 = 0$ and $z_2 = 0$, and determine the values of complex constants A and B .