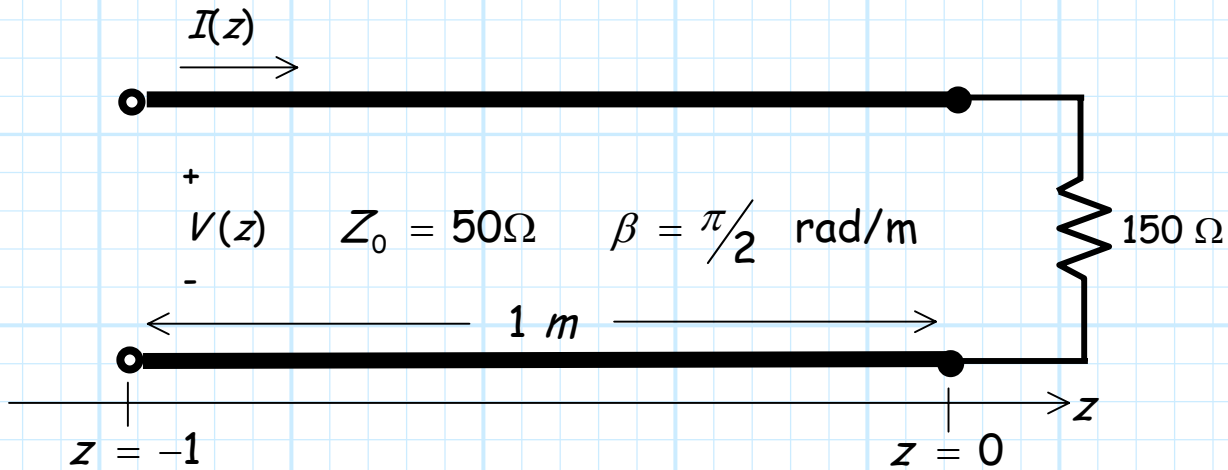


Special Problem II.A - 37

Consider this terminated, lossless, transmission line :



The voltage at $z=0$ is known to be $V(z = 0) = j3.0$ V :

Determine:

1. the complex functions $V^+(z), V^-(z), \Gamma(z)$.
2. the complex functions $V(z), I(z), Z(z)$.
3. the complex values $V^+(z = -1), V^-(z = -1), \Gamma(z = -1)$.
4. the complex values $V(z = -1), I(z = -1), Z(z = -1)$.