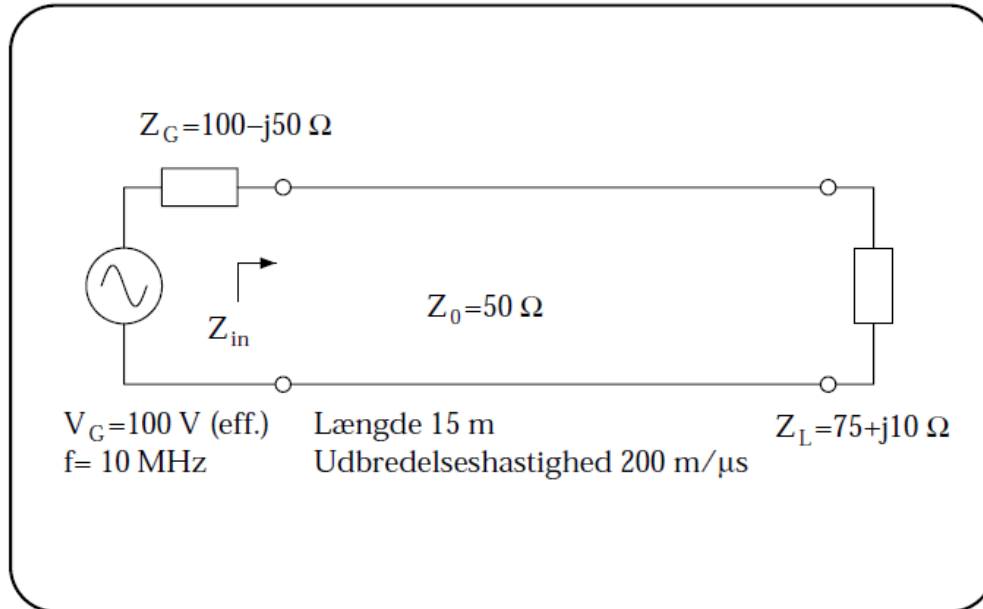


Exercise 13.1:

Calculate the following quantities for the setup shown in the figure below and provide them with the correct units.



- Determine the value of  $Z_{in}$ .
- Calculate the incident and reflected power immediately to the right of  $Z_G$ .
- How much power is delivered in total from the generator into the transmission line?
- How much power is dissipated in  $Z_L$ ?