Special Problem 2.6-2

Determine the value of load $Z_L$ that will result in the maximum absorbed power.

How much power would this be?

$Z_g = 100 + j50$

$Z_0 = 50$

$Z = -\ell$

$\ell = \lambda/8$

$z = 0$

**Hint:** a Smith Chart comes in handy!