Problema n° 6

$S = 25\ W/m^2$

$p = ?$ si es sup. absorbente.

$$p = \frac{S}{c} = \frac{25}{3\times10^8} = 8{,}33\times10^{-8}\ N/m^2$$

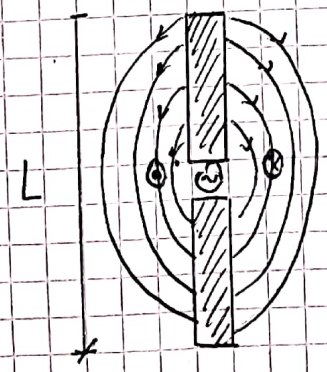
Si fuera reflectante total

$$p' = \frac{2S}{c} = 2p = 2\times 8{,}33\times10^{-8} = 1{,}666\times10^{-7}$$

$$p' = 1{,}7\times10^{-7}\ (Pascal)$$

Problema n° 7

$L = ?$ de una antena de media onda para transmitir a 20 MHz



$$L = \frac{\lambda}{2}$$

$$\lambda = \frac{c}{f}$$

$$L = \frac{c}{2f} = \frac{3\times10^8}{2\times 20\times10^6} = 7{,}5\ m$$