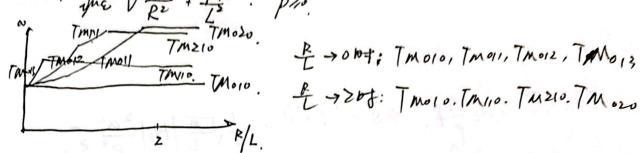
8.6

a).



(b) TM010

$$Q_{0/0} = \omega \frac{U}{p} = \omega \frac{L}{\mu_0} \cdot \frac{1}{8} \cdot \frac{1}{1+\frac{L}{p}} , 8 = 8 / \kappa_0^7 m.$$

$$= 1.4 \times 10^4$$