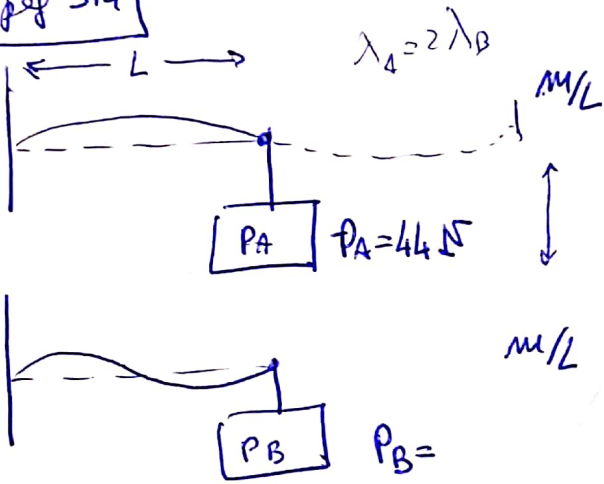


ONDE STAZIONARIE

$$v = \sqrt{\frac{F}{\mu/L}}$$

$$F = v^2 \cdot \frac{\mu}{L}$$

$m = 85 \text{ g}$ di SiH_4



$$f_1 = f_2 = f$$

$$v = \lambda f$$

$$F_B =$$

$$v = \sqrt{\frac{F}{\mu/L}} \rightarrow v^2 = \frac{F}{\mu/L} \rightarrow \mu/L = \frac{F}{v^2} \quad \begin{matrix} F = P_A \\ \downarrow \end{matrix} \quad \frac{P_A}{v_A^2} = \frac{P_B}{v_B^2} \rightarrow P_B = P_A \cdot \frac{v_B^2}{v_A^2}$$

$$P_B = P_A \cdot \frac{(\lambda_B \cdot f)^2}{(\lambda_A \cdot f)^2} = P_A \cdot \frac{\lambda_B^2 \cancel{f^2}}{(2 \cdot \lambda_B)^2 \cancel{f^2}} = \frac{44 \text{ N}}{4} = 11 \text{ N}$$

$\lambda_A = 2\lambda_B$