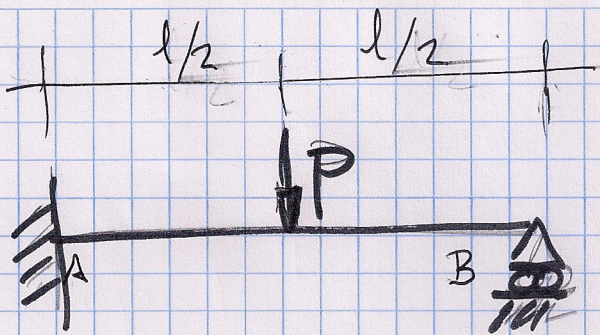
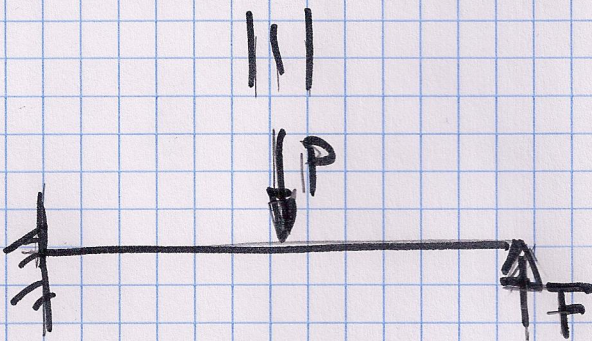


# PROBLEMA 15

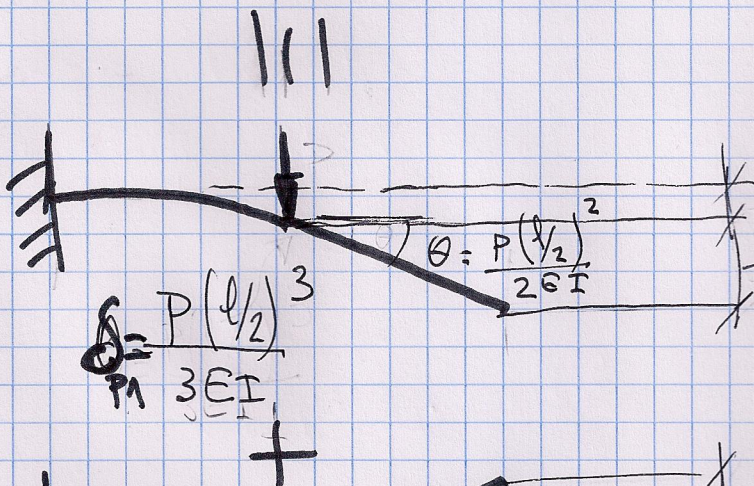


Calcular reacción en B

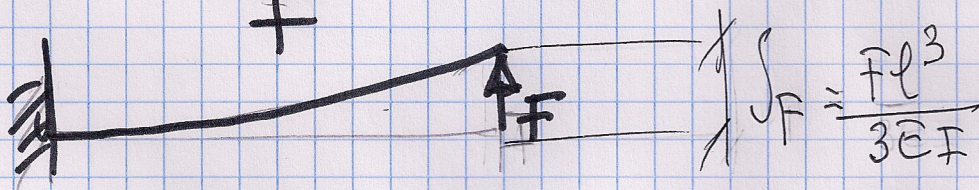


sacando valores del  
problema 2)

$$\int P_1 = \frac{P(l/2)^3}{3EI} = \frac{Pl^3}{24EI}$$



$$\int P_2 = \frac{l}{2} \tan \theta \approx \frac{l}{2} \theta = \frac{Pl^3}{16EI}$$



$$\int_{TP} = \int_{1P} + \int_{2P} = \int_F \Rightarrow$$

$$\boxed{F = \frac{5}{16} P}$$