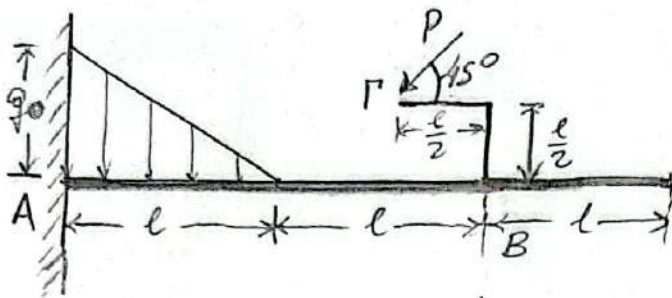


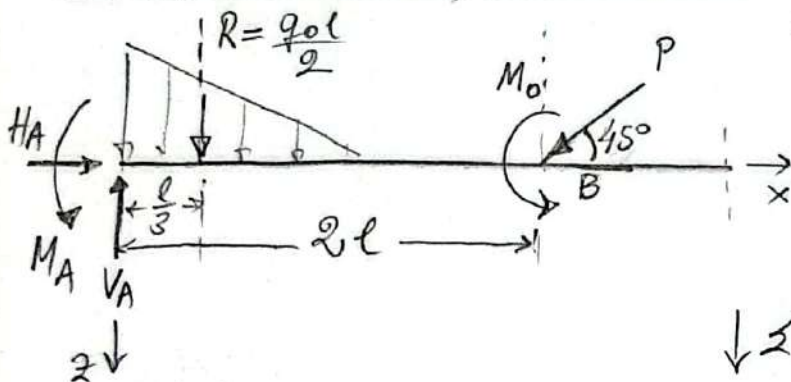
(5-4)

36^η ΑΣΚΗΣΗ

Να υπολογιστούν οι αντιδράσεις
στηρίξης του ωρολογίου



Αντικρυσί P στο B, και $\Delta E \Sigma$



$$M_0 = \frac{Pl\sqrt{2}}{2}$$

Είσοδος

$$\rightarrow \sum F_x = 0 \Rightarrow H_A = \frac{P\sqrt{2}}{2} \cos 45^\circ$$

$$\downarrow \sum M_2 = 0 \Rightarrow V_A = R + P \frac{\sqrt{2}}{2} \sin 45^\circ$$

$$V_A = \frac{q_0 l}{2} + \frac{P\sqrt{2}}{2}$$

$$\uparrow \sum M_A = 0 \Rightarrow M_A + M_0 - \frac{1}{3} \cdot \frac{q_0 l}{2} - 2l P \frac{\sqrt{2}}{2} \sin 45^\circ = 0 \Rightarrow$$

$$\Rightarrow M_A = \frac{q_0 l}{6} + Pl\sqrt{2} - \frac{Pl\sqrt{2}}{2} \Rightarrow M_A = \frac{q_0 l}{6} + \frac{Pl\sqrt{2}}{2}$$