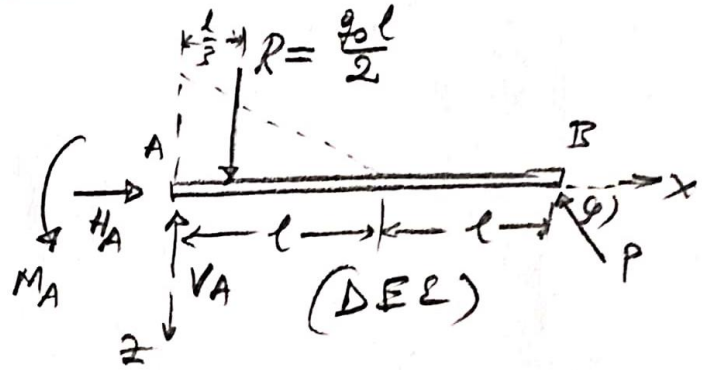
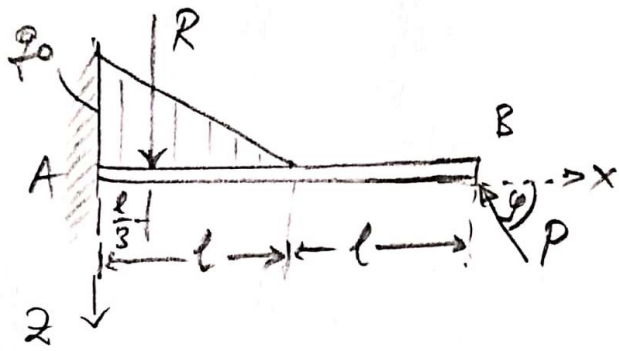


2) Проблем



$$\rightarrow \sum F_x = 0 \Rightarrow \boxed{H_A = P \cos \varphi}$$

$$\downarrow \sum F_z = 0 \Rightarrow V_A = R + P \sin \varphi \Rightarrow \boxed{V_A = \frac{q_0 l}{2} + P \sin \varphi}$$

$$\curvearrowleft \sum M_A = 0 \Rightarrow M_A - \frac{1}{3} R + 2l P \sin \varphi = 0 \Rightarrow$$

$$\Rightarrow M_A = \frac{1}{3} \frac{q_0 l}{2} + 2l P \sin \varphi = 0 \Rightarrow$$

$$\Rightarrow \boxed{M_A = \frac{q_0 l^2}{6} + 2l P \sin \varphi}$$