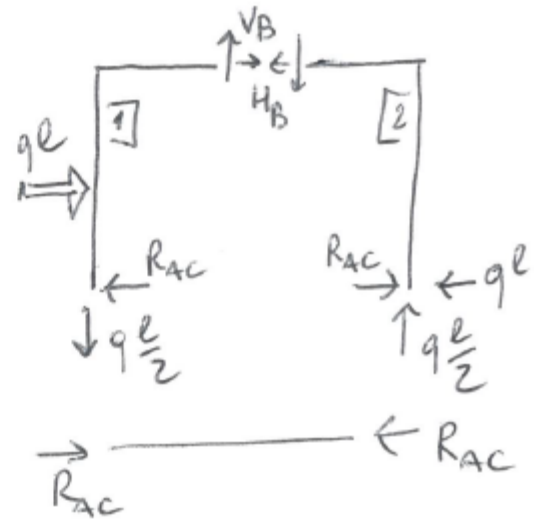


S.C.L.
(vincoli esterni)



Equilibrio [2]

$$\rightarrow : R_{Ac} - ql - H_B = 0$$

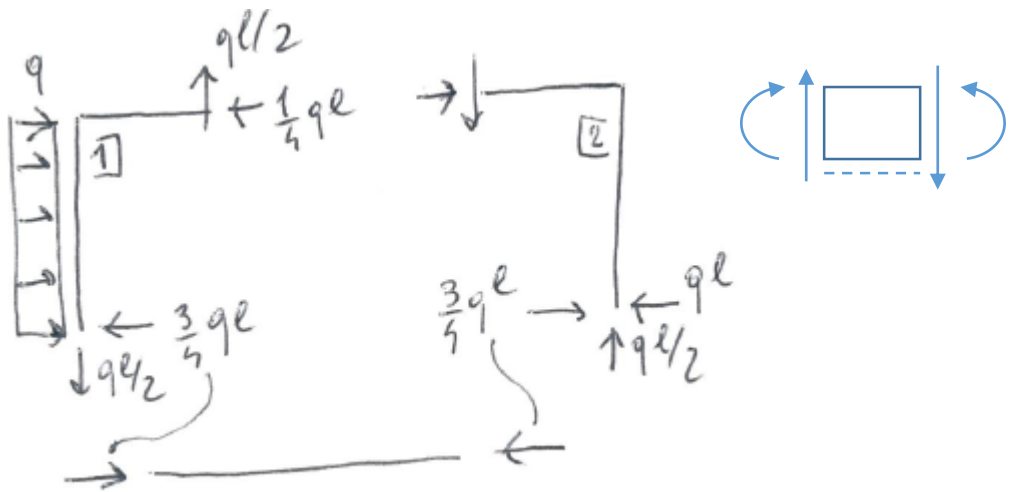
$$H_B = - \frac{ql}{4}$$

$$\uparrow : \frac{qe}{2} - V_B = 0$$

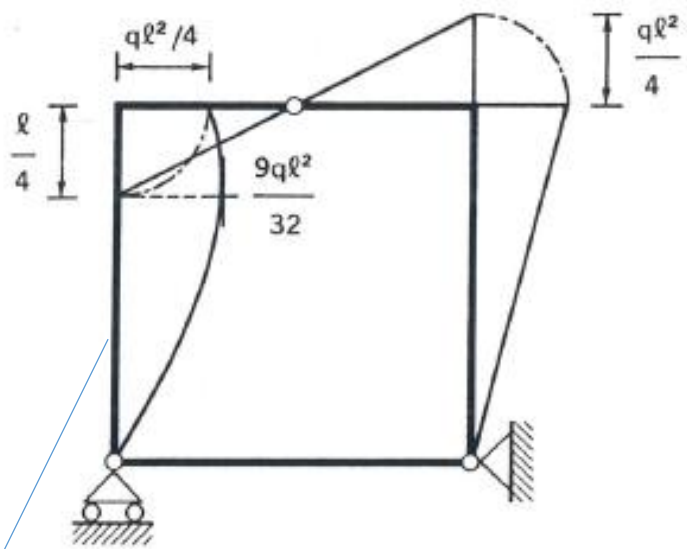
$$V_B = \frac{qe}{2}$$

$$\curvearrow : R_{Ac} l + \frac{qe}{2} \frac{l}{2} - ql \cdot l = 0 ; R_{Ac} = \frac{3}{4} ql$$

Con gli schemi di corpo libero verificavamo anche l'equilibrio del corpo [1]

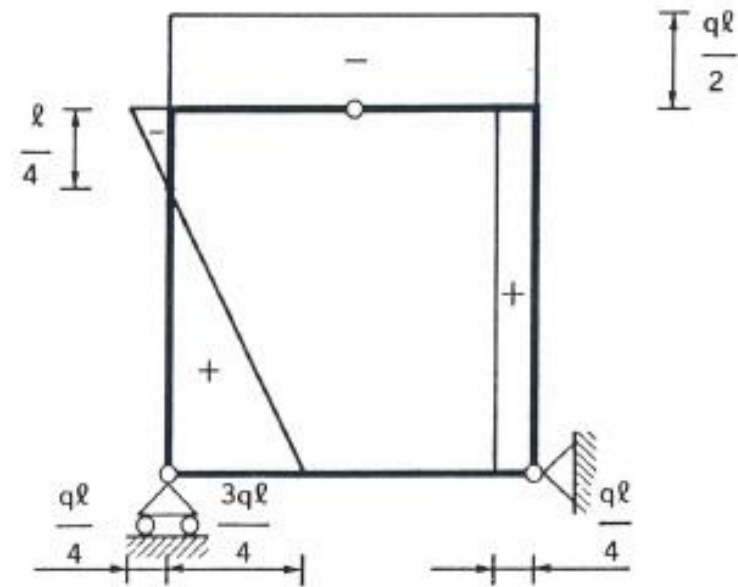


M

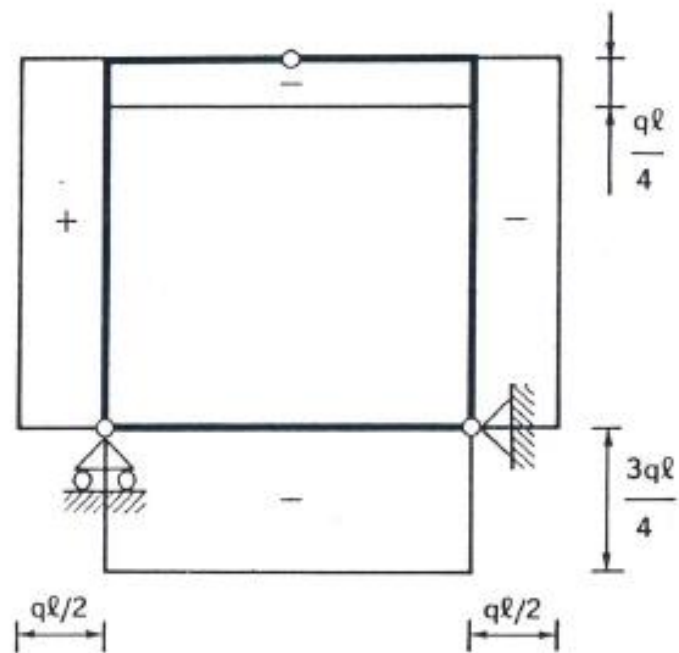


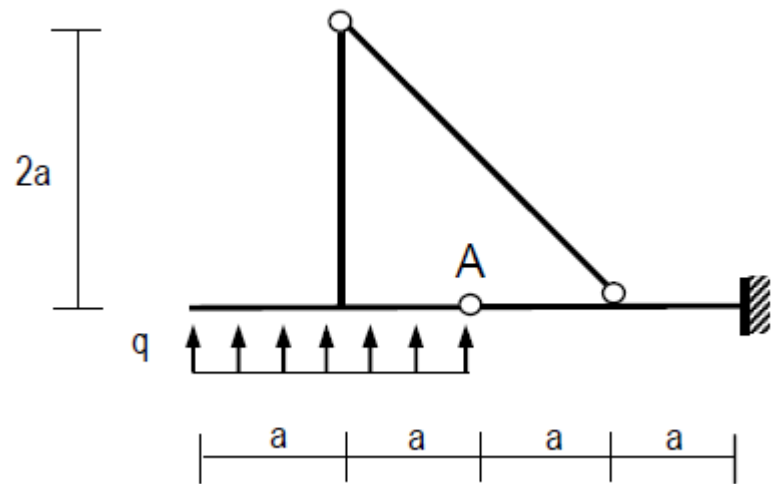
$$M(z) = \frac{3}{4} q l z - \frac{q z^2}{2}, \quad M'(z) = \frac{3}{4} q l - q z$$

T



N





Calcolare le reazioni della cerniera A

Schemi di corpo libero

