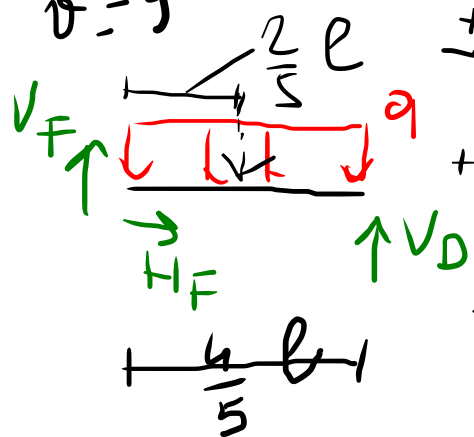


Il corpo 1 è scarico e le reatt. vincolari da a lui competono (nel n° di 3, sono nulle).

$q = 9$

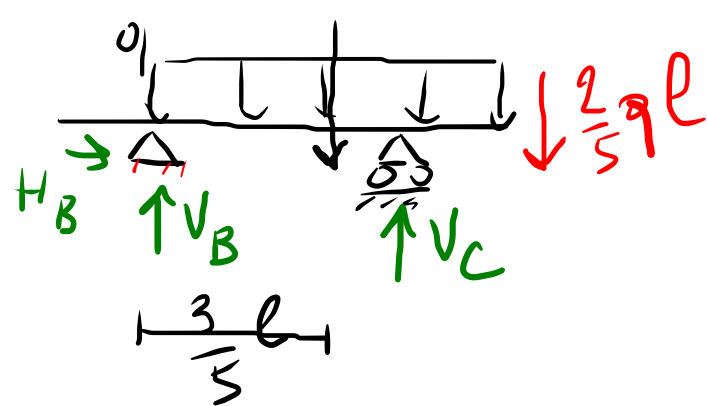
$v = 9$



$\rightarrow H_F = 0$

$\uparrow; V_F + V_D - \frac{4}{5} q l = 0 \quad ; \quad V_F = \frac{4}{5} q l - \frac{2}{5} q l = \frac{2}{5} q l$

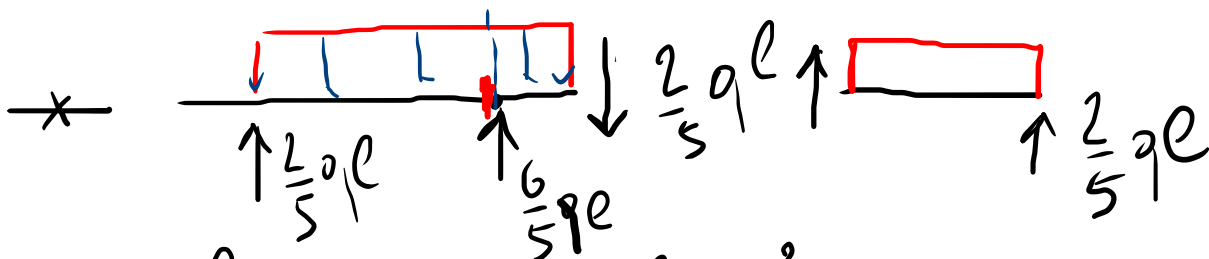
$\rightarrow; -\frac{4}{5} q l \cdot \frac{2}{5} l + V_D \frac{4}{5} l = 0 \quad ; \quad V_D = \frac{2}{5} q l$



$\rightarrow H_B = 0$

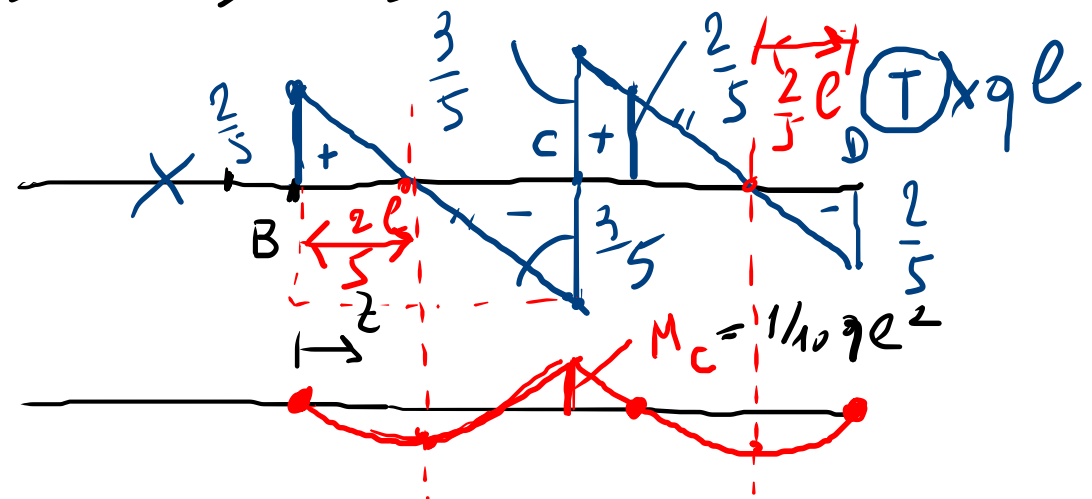
$\uparrow; V_B + V_C - \frac{6}{5} q l - \frac{2}{5} q l = 0 \quad ; \quad V_B = \frac{8}{5} - \frac{6}{5} = \frac{2}{5} q l$

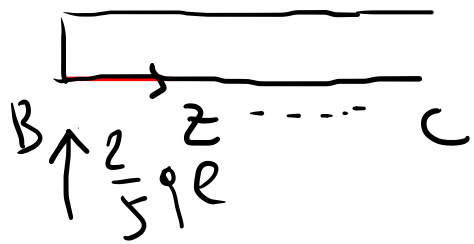
$\rightarrow; V_C l - \frac{6}{5} q l \cdot \frac{3}{5} l - \frac{2}{5} q l \cdot \frac{6}{5} l = 0 \quad ; \quad V_C = \frac{6}{5} q l$



$\uparrow M_C: \quad \frac{2}{5} q l^2 - q \frac{l^2}{2} - M_C = 0$
 $M_C = -\frac{1}{10} q l^2$

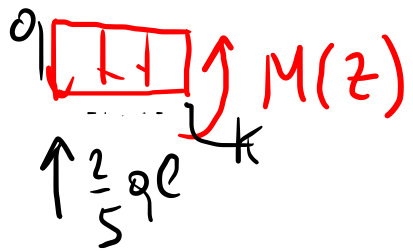
(M)



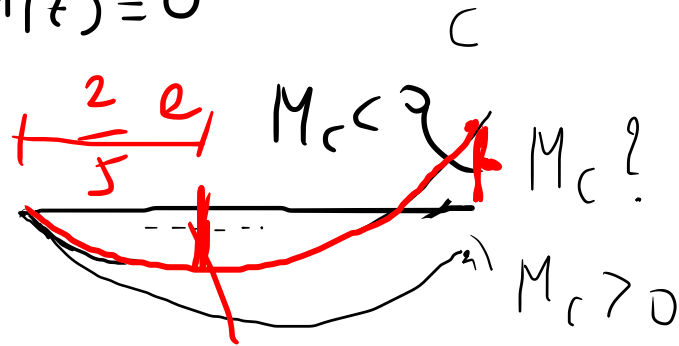


Calculo $M(z)$ in BC

$$\sum \mathcal{K} \uparrow : -\frac{2}{5} qlz + q \frac{z^2}{2} + M(z) = 0$$

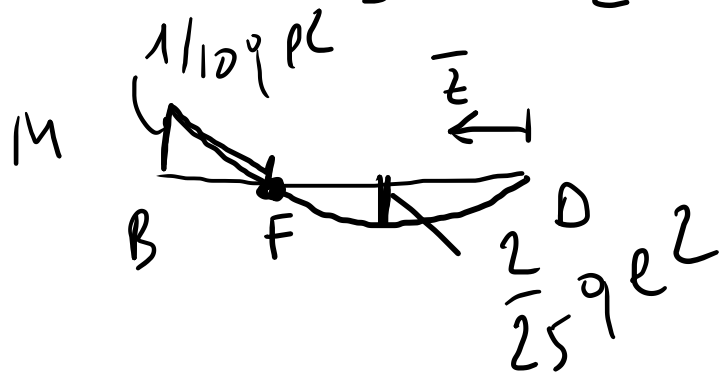


$$M(z) = \frac{2}{5} qlz - q \frac{z^2}{2}$$

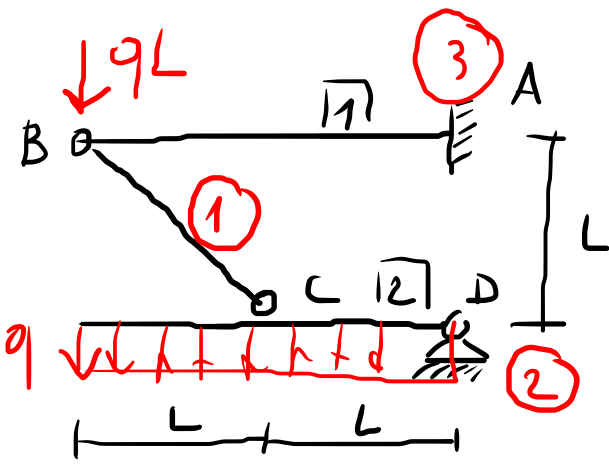


$$M(l) = \frac{2}{5} ql^2 - q \frac{l^2}{2} = \frac{4-5}{10} ql^2 = -\frac{1}{10} ql^2 \quad M_{max} =$$

$$M_{max} = M\left(\frac{2}{5}l\right) = \frac{2}{5} ql \cdot \frac{2}{5} l - \frac{q}{2} \left(\frac{2}{5}l\right)^2 = \frac{4}{25} - \frac{2}{25} = \frac{2}{25} ql^2$$



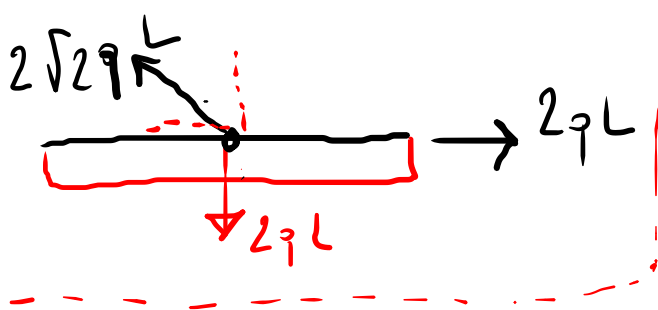
ES.



$q = 6, v = 6$

$V_D = 2qL - \frac{R_{BC}}{\sqrt{2}} = 2qL - 2qL = 0$

$H_D = 2qL$

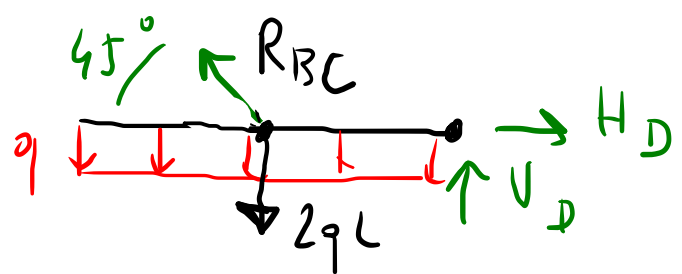


$\rightarrow : 2qL + H_A = 0$

$\uparrow : -qL - 2qL + V_A = 0$

$\curvearrowright : +qL \cdot 2L + 2\sqrt{2}qL \cdot \frac{2L}{\sqrt{2}} + M_A = 0$

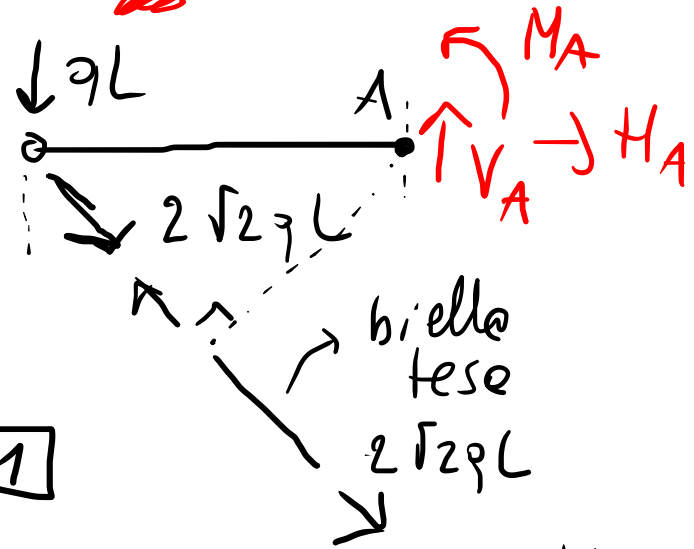
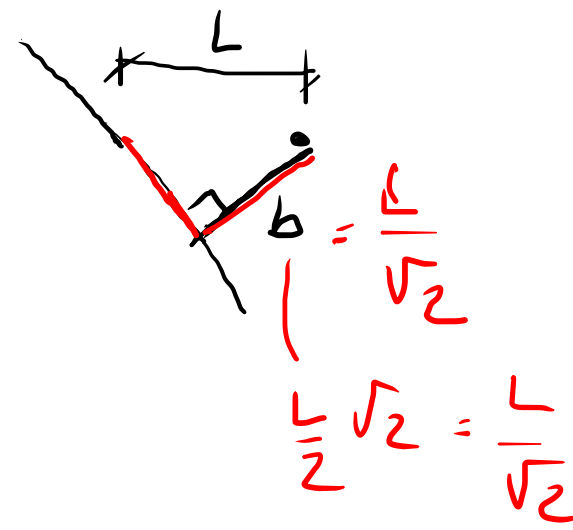
ER. [2]



$\rightarrow : -\frac{R_{BC}}{\sqrt{2}} + H_D = 0$

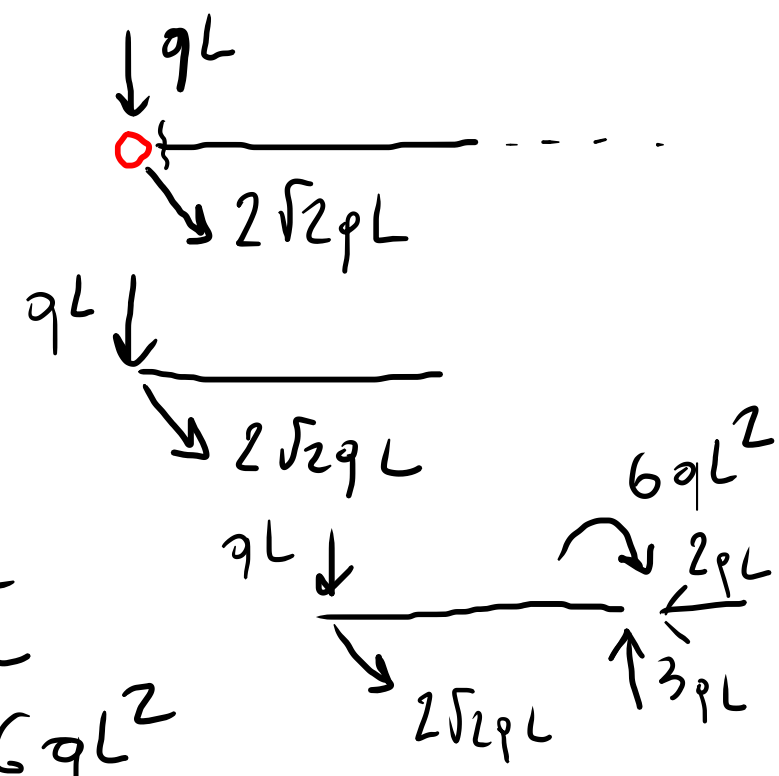
$\uparrow : +\frac{R_{BC}}{\sqrt{2}} - 2qL + V_D = 0$

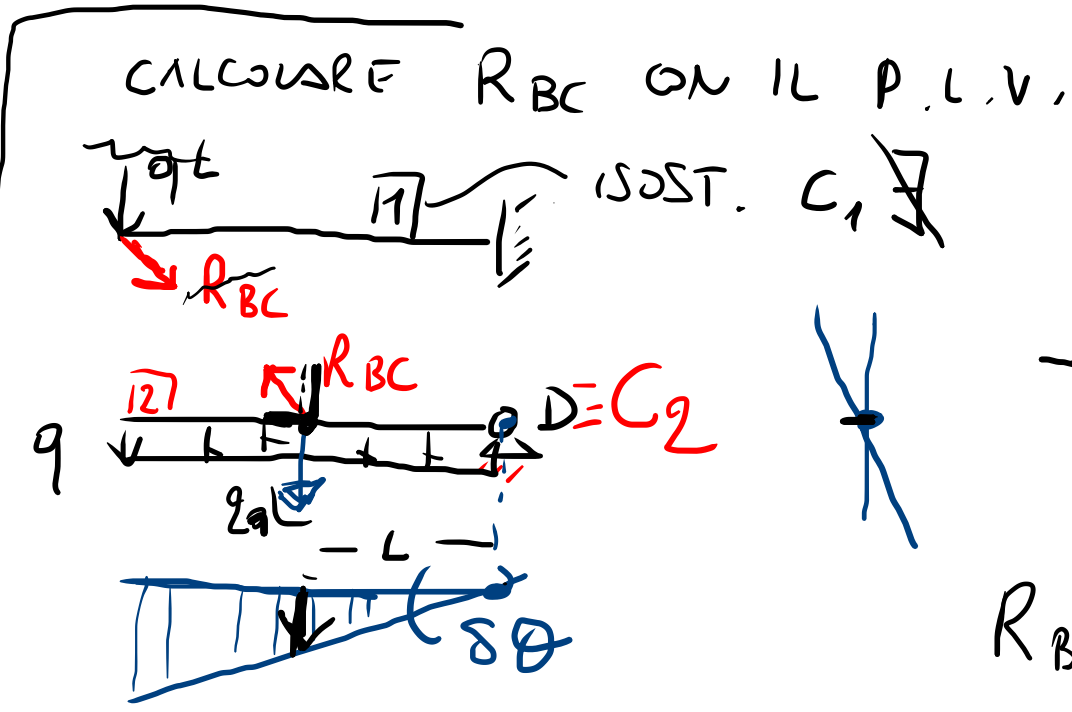
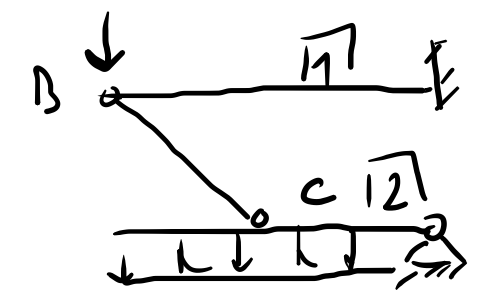
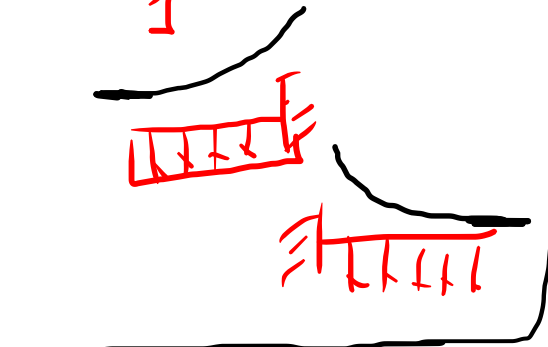
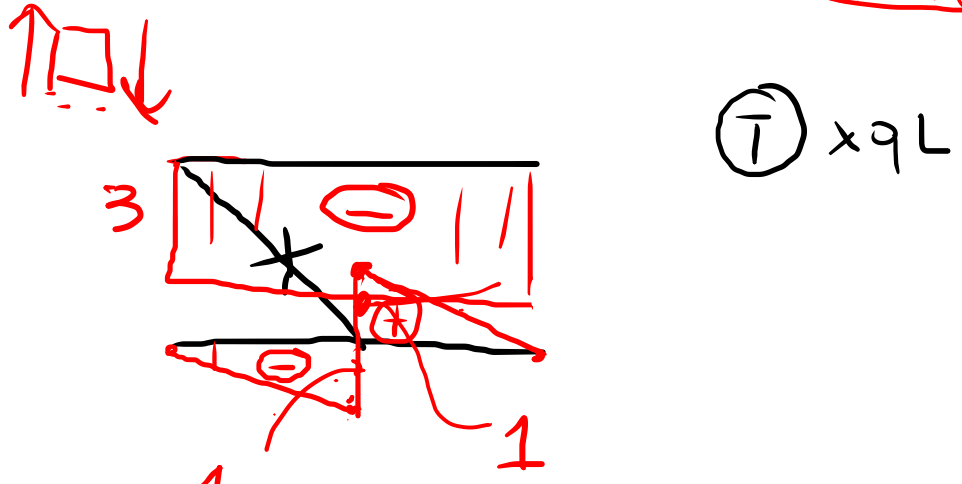
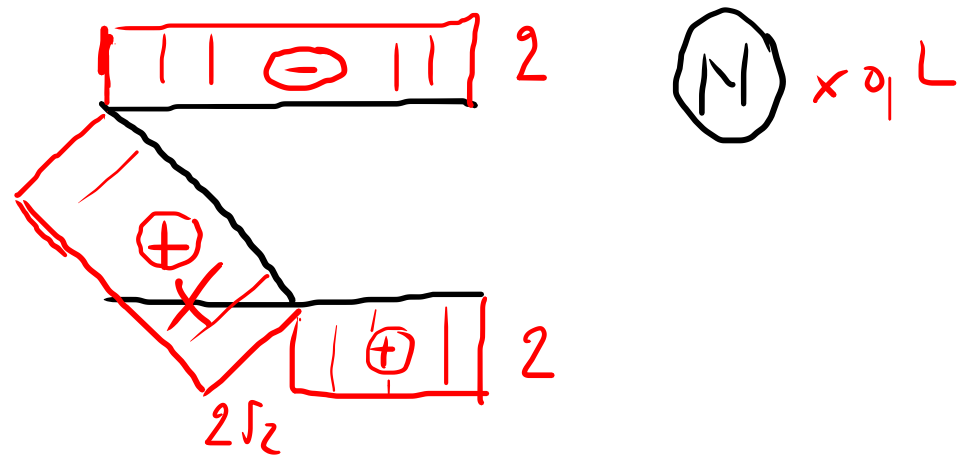
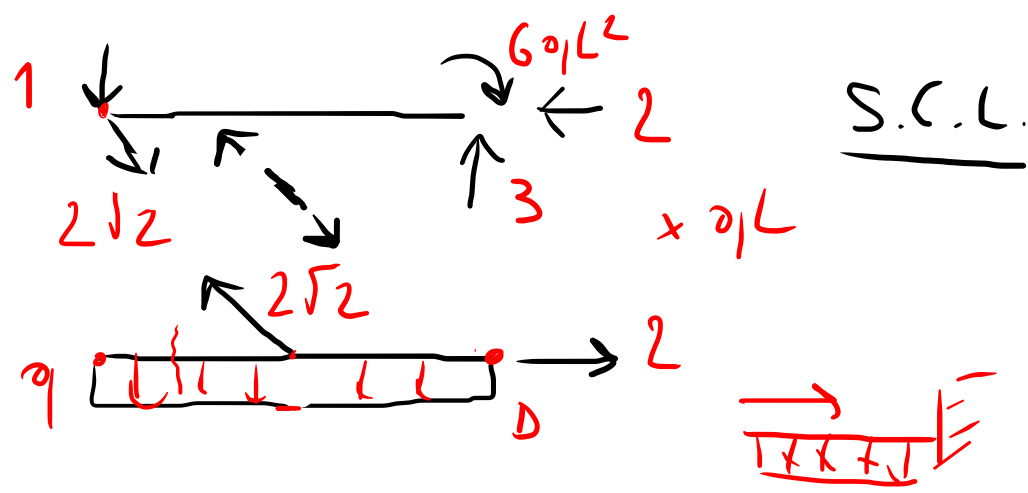
$\curvearrowright : -R_{BC} \frac{L}{\sqrt{2}} + 2qL \cdot L = 0 ; R_{BC} = 2\sqrt{2}qL$



[1]

$H_A = -2qL$
 $V_A = 3qL$
 $M_A = -6qL^2$





$$\delta L = 0 \Rightarrow \delta L^2 = 0$$

$$-R_{BC} \frac{\delta \theta L}{\sqrt{2}} + 2qL - \delta \theta L = 0$$

$$R_{BC} = +2\sqrt{2}qL$$

(TRAZIONE)
NELLA
BIELLA