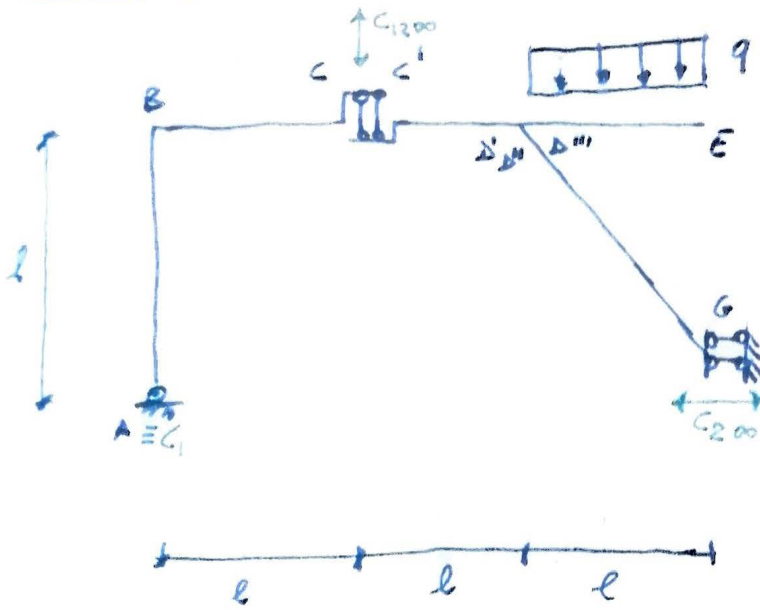


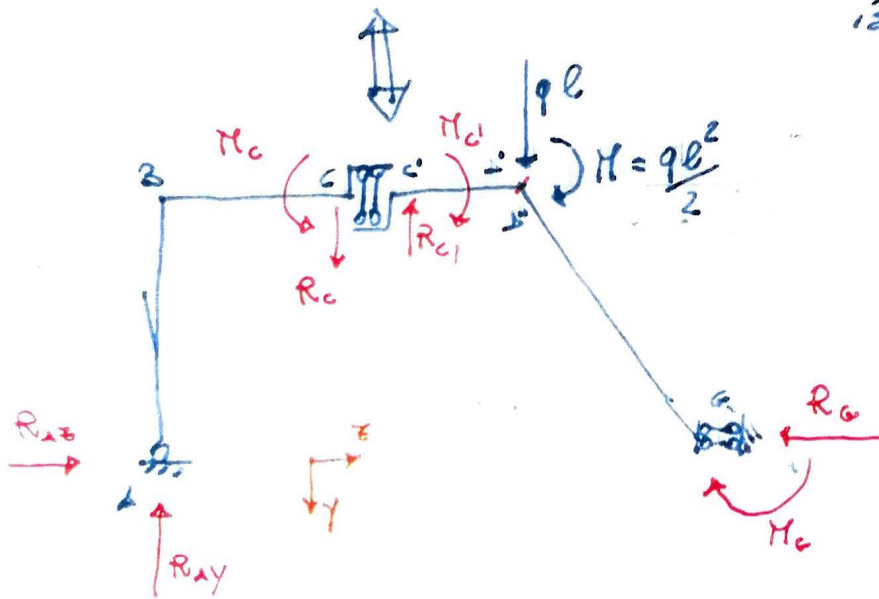
Esercizio



$3t = 6$
 $S = 6$
 i 3 centri non
 sono allineati.
 per il 1° Th. $l = 0$

$i = 0$

il sistema è
isostatico.



TRONCO AC

$\rightarrow) R_{Ax} = 0$
 $\uparrow) -R_{Ay} + R_c = 0$
 $\curvearrowright) -R_c l + M_c = 0$

TRONCO CG

$\rightarrow) R_G = 0$
 $\downarrow) -R_c + ql = 0$
 $\curvearrowright) -M_c - ql^2 - \frac{ql^2}{2} - R_G l - M_G = 0$

eq. del nodo c

Se nodo c è scorcico, quindi

$$\begin{cases} R_c = R_{c'} \\ M_c = M_{c'} \end{cases}$$

$$R_{Ay} = 0$$

$$R_G = 0$$

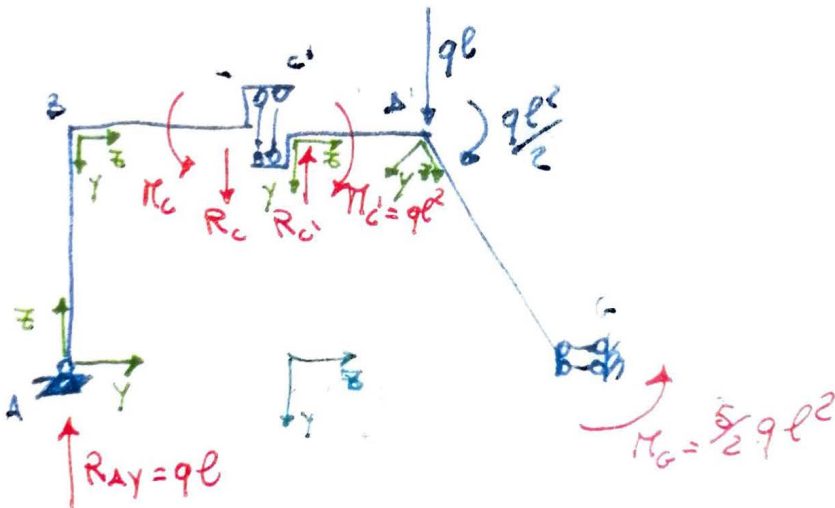
$$\underline{R_{c'}} = R_c = \underline{ql}$$

$$\underline{R_{Ay}} = \underline{ql}$$

risolvendo le 6 equazioni

$$\underline{M_c} = \underline{ql^2}$$

$$\underline{M_G} = \underline{-\frac{5}{2} ql^2}$$



TRONCO AB

$$\textcircled{1} \quad \frac{dN}{ds} + p = 0 \quad \frac{dN}{ds} = 0 \quad \Rightarrow \underline{N(s) = \text{cost} = -R_{Ay} = -ql}$$

$$\textcircled{2} \quad \frac{dT}{ds} + q = 0 \quad \frac{dT}{ds} = 0 \quad \Rightarrow \underline{T(s) = \text{cost} = 0}$$

$$\textcircled{3} \quad \frac{dM}{ds} - T + c = 0 \quad \frac{dM}{ds} = 0 \quad \Rightarrow \underline{M(s) = \text{cost} = 0}$$