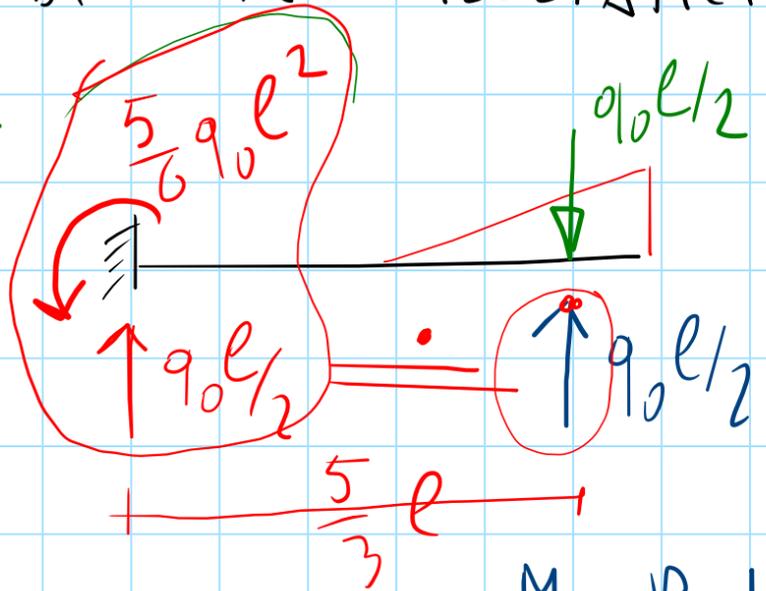
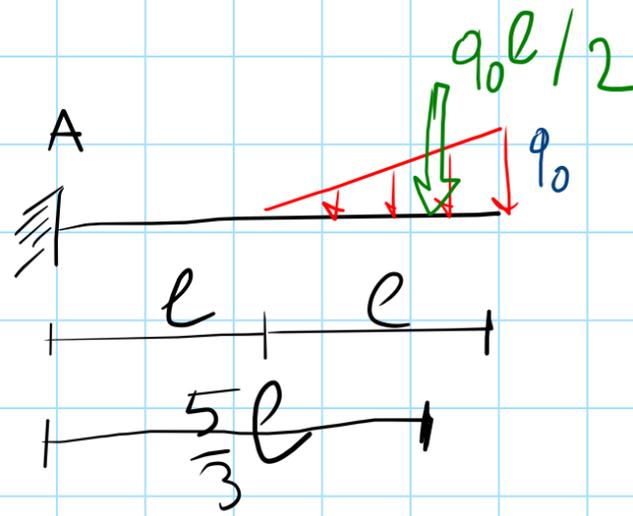


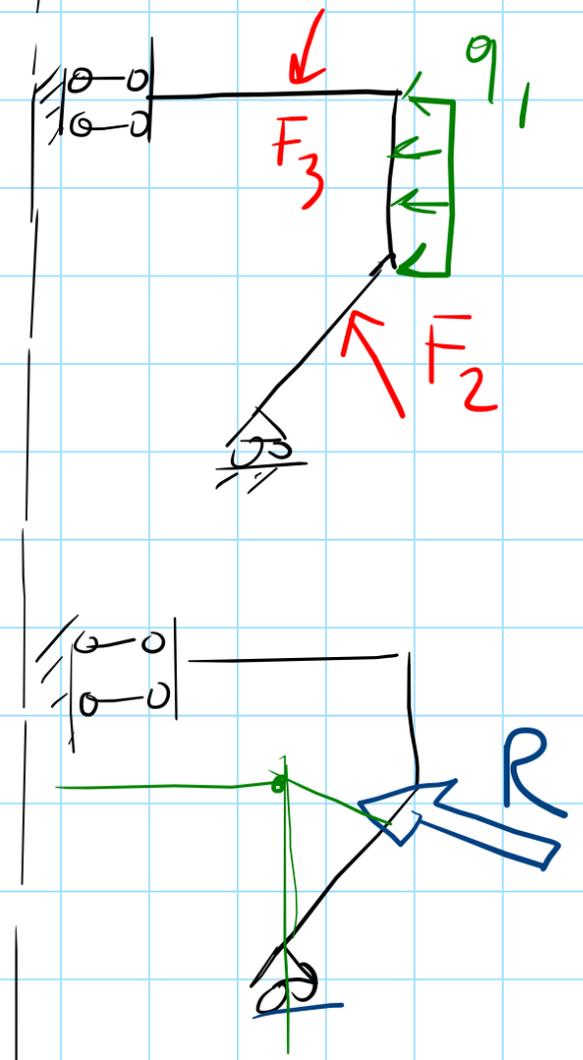
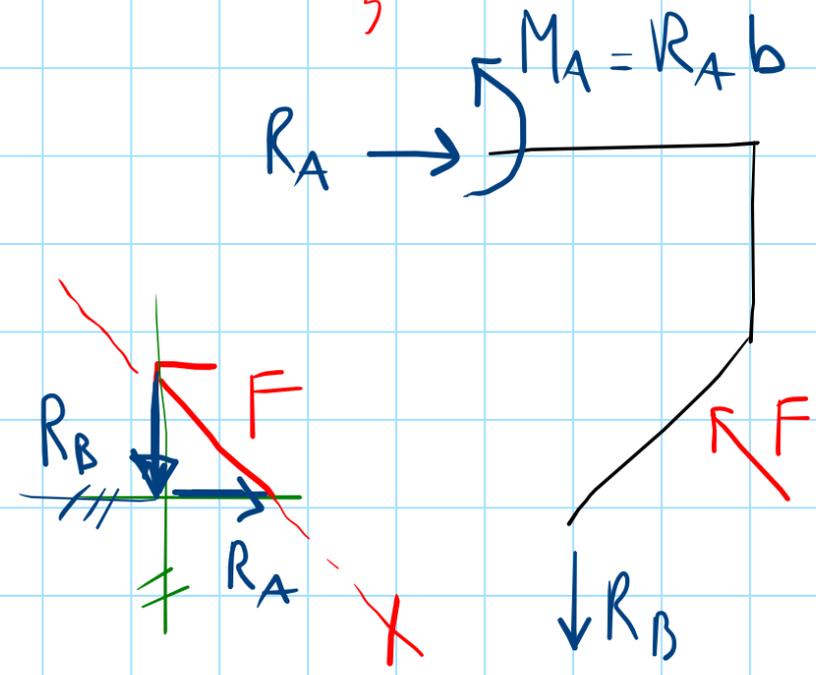
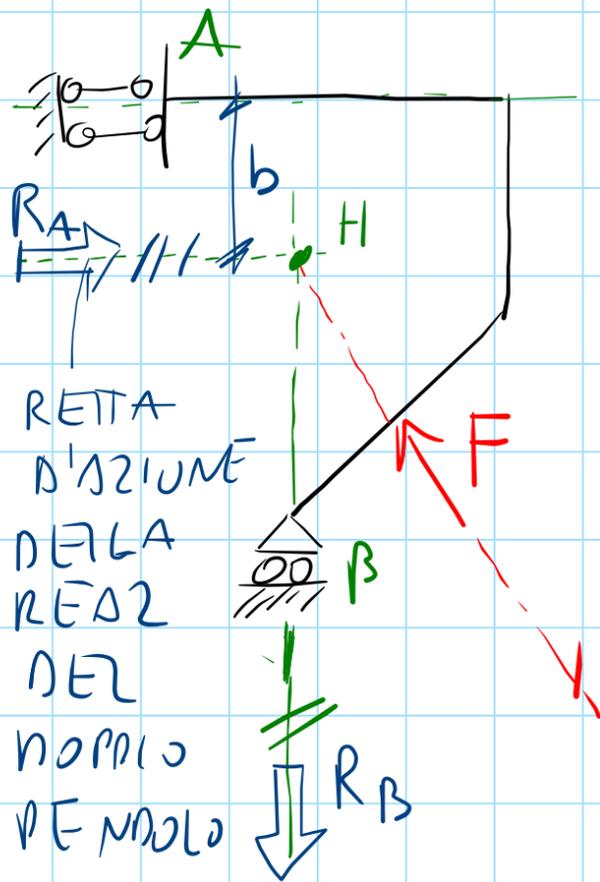
RISOLUZIONE GRAFICA DI STRUTTURE ISOSTATICHE

12/12/25  
INTEGRA - STR ISOST.

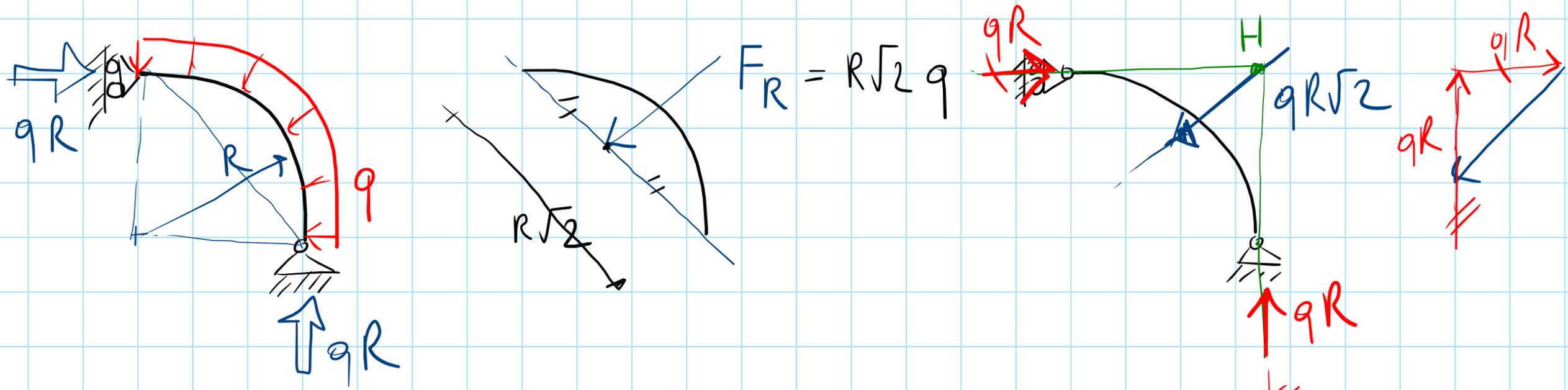


REAZIONE VINCOLE  
EQUIVALENTE

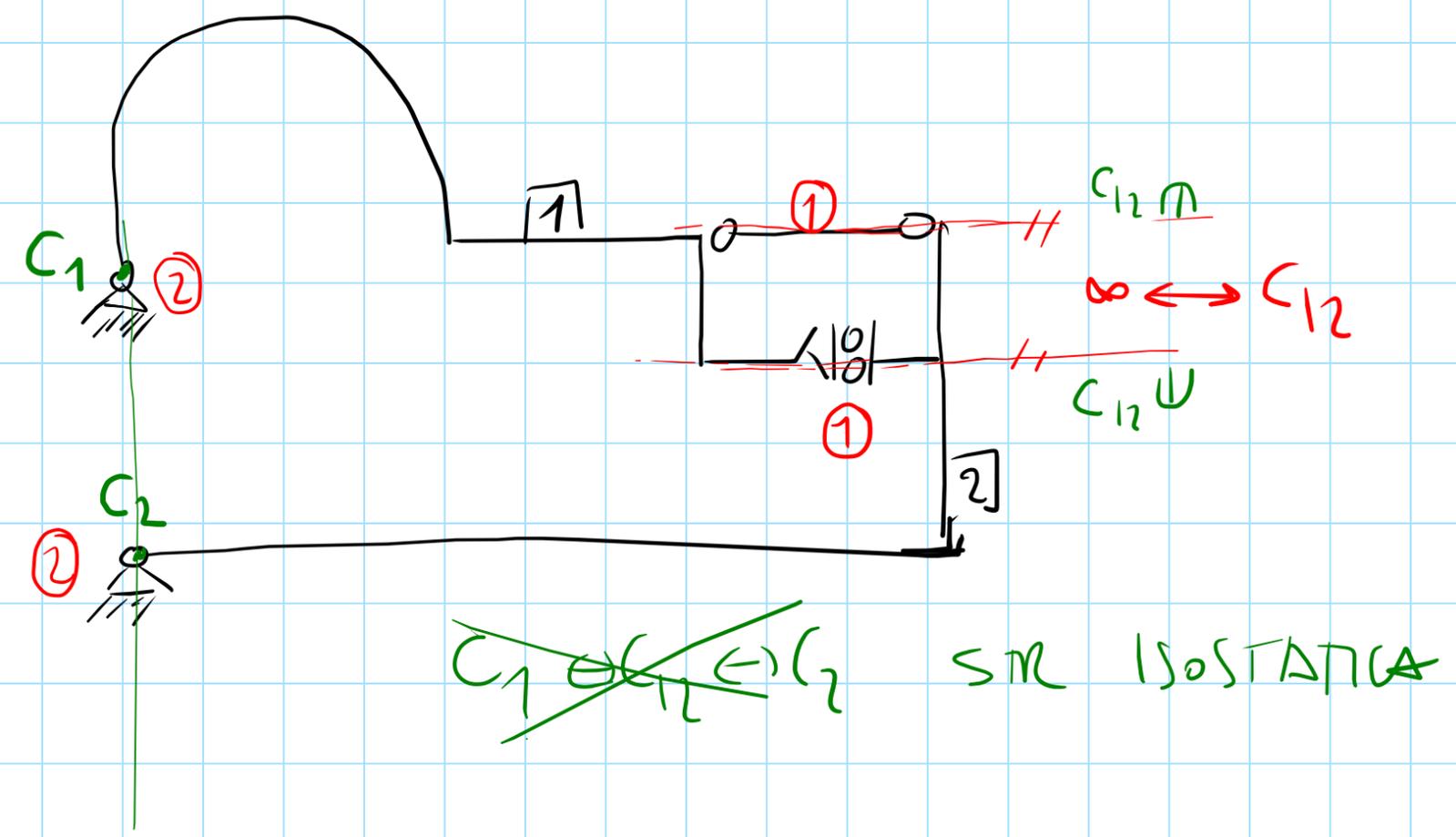
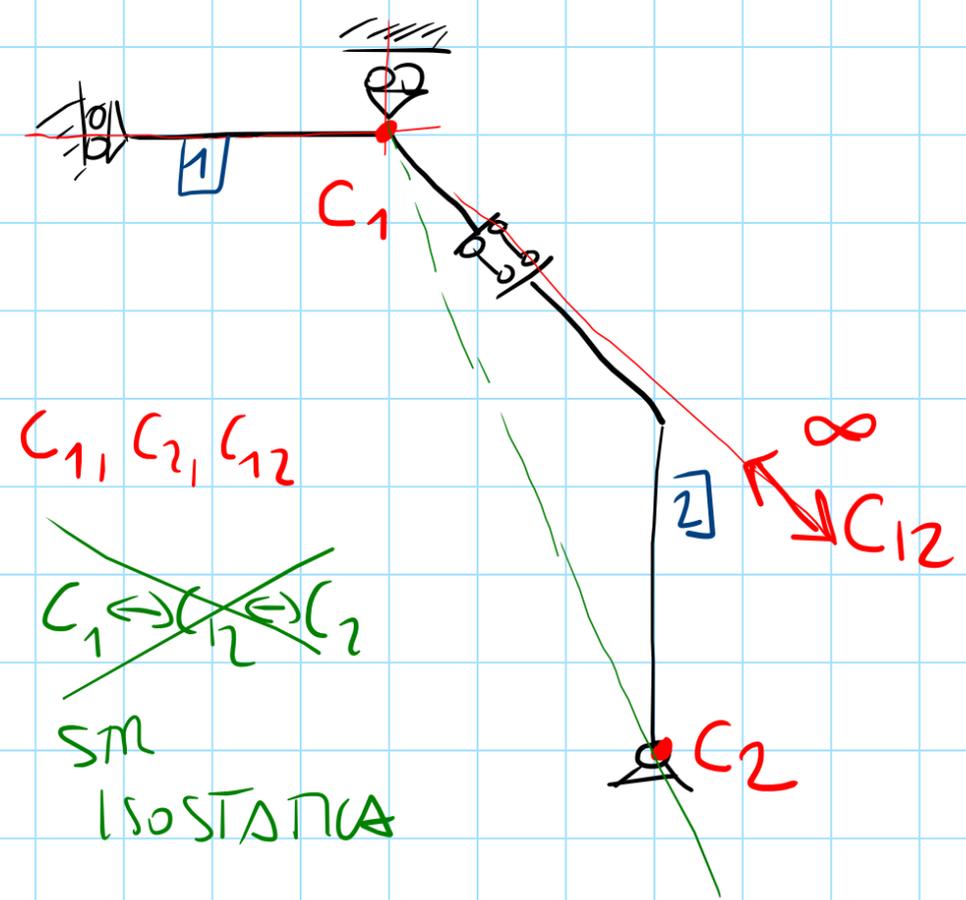
COME FARE QUANDO HO PIU' CARICHI APPLICATI?



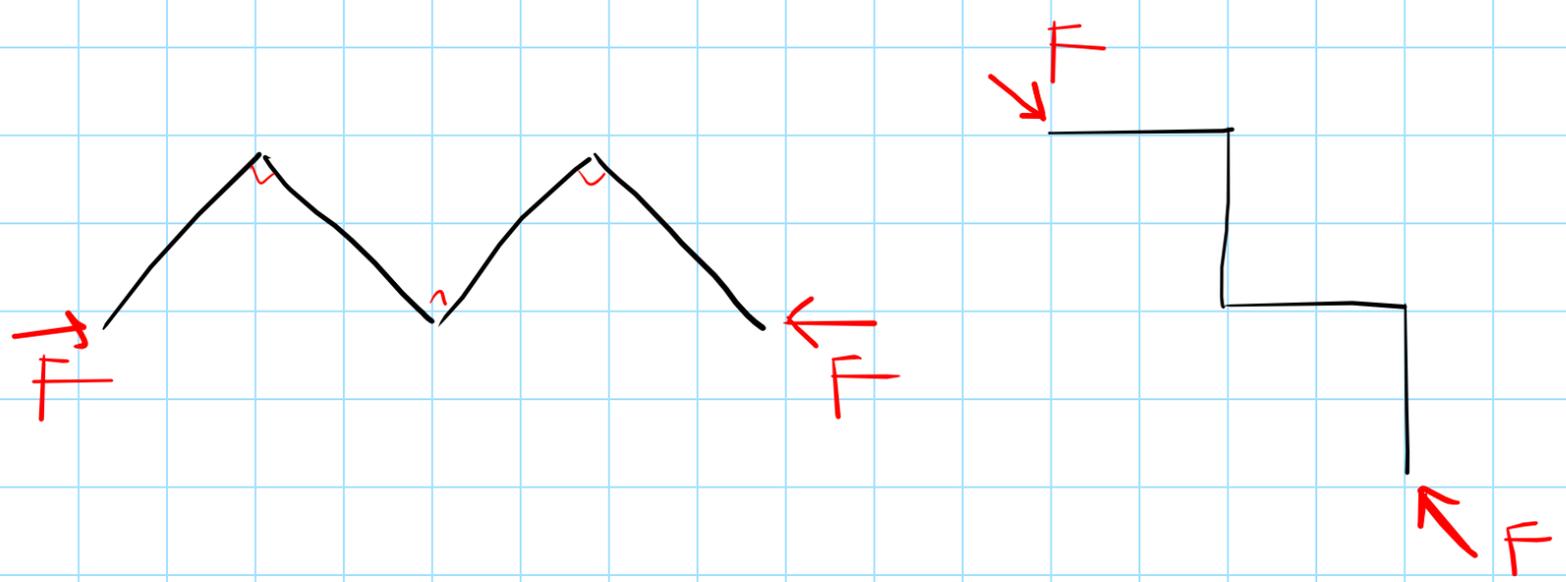
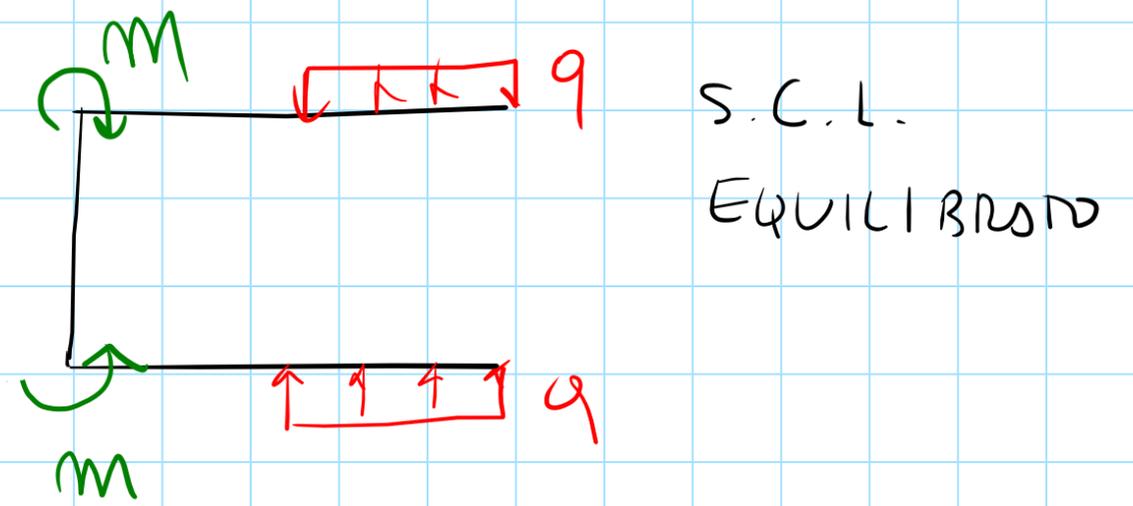
- 1) CONSIDERARE UN CARICO ALLA VOLTA, POI SOMMO I RISULTATI
- 2) TROVO LA RISULTANTE E LA BILANCIO SUCCESSIVAMENTE



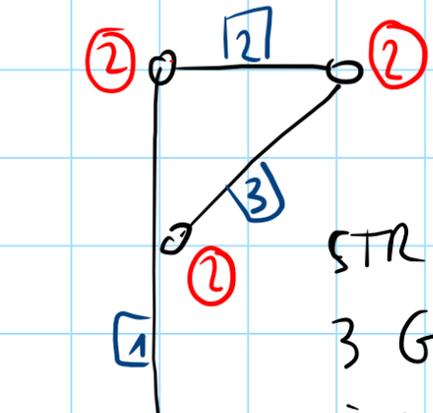
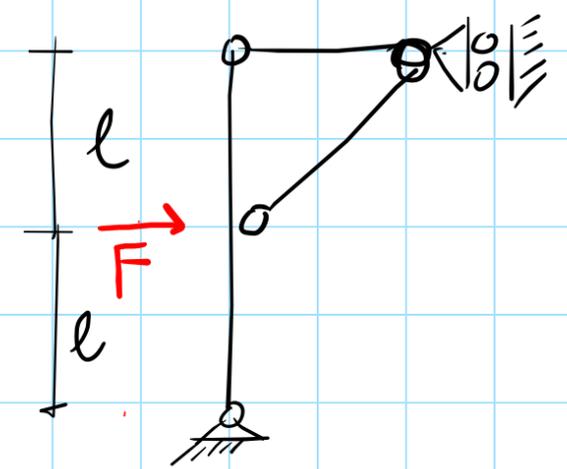
LABILITA' O ISOSTATICITA' DI ARCHI A 3 CERNIERE "GENERICI" "GENERALISIERUNG"



# STR EQUILIBR (o ANCHE AUTO-EQUILIBRATA)



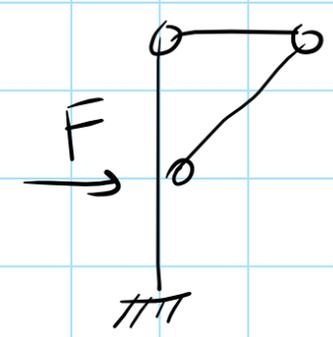
UNA STRUTTURA ISOSTATICA "MISTA"



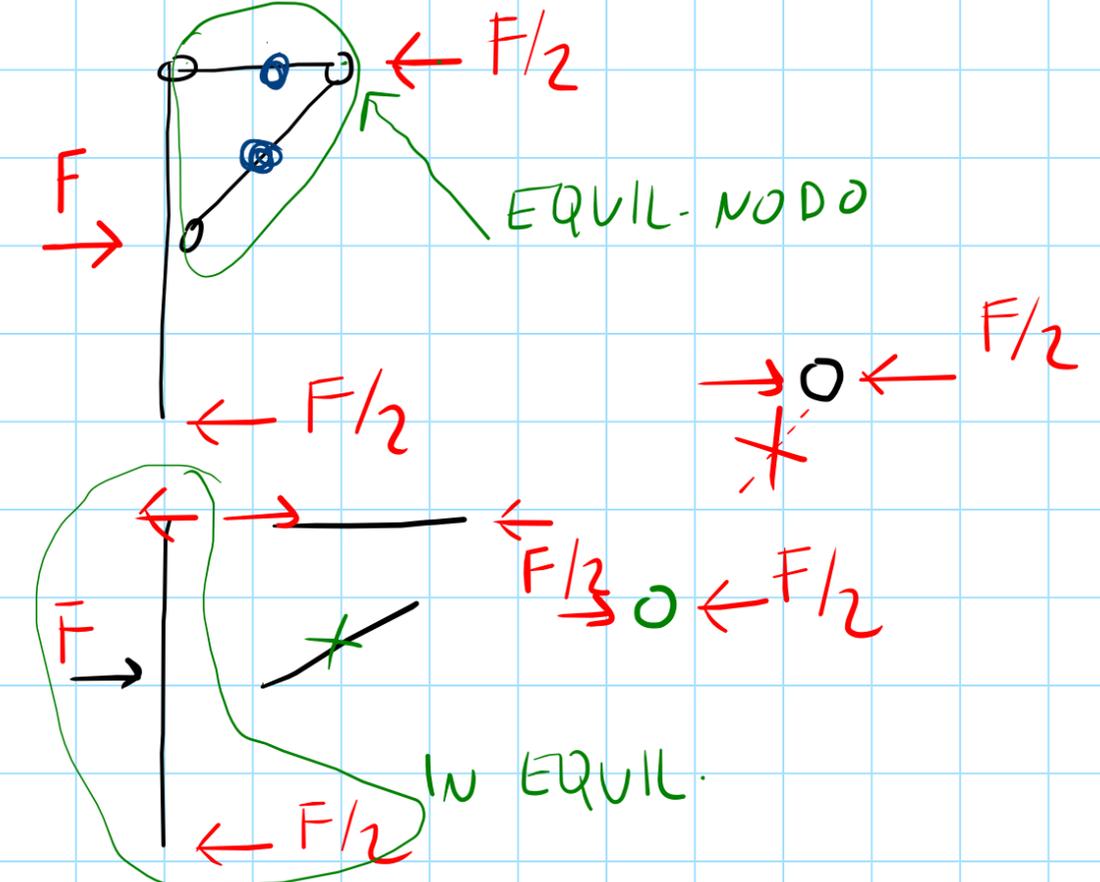
STR CON  
3 GDL  
= CORPO RIGIDO

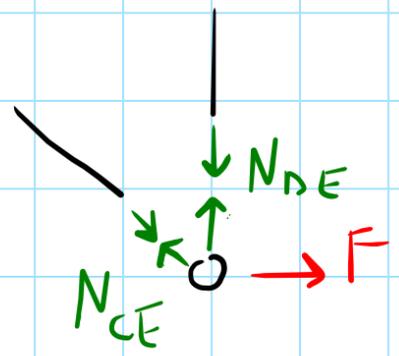
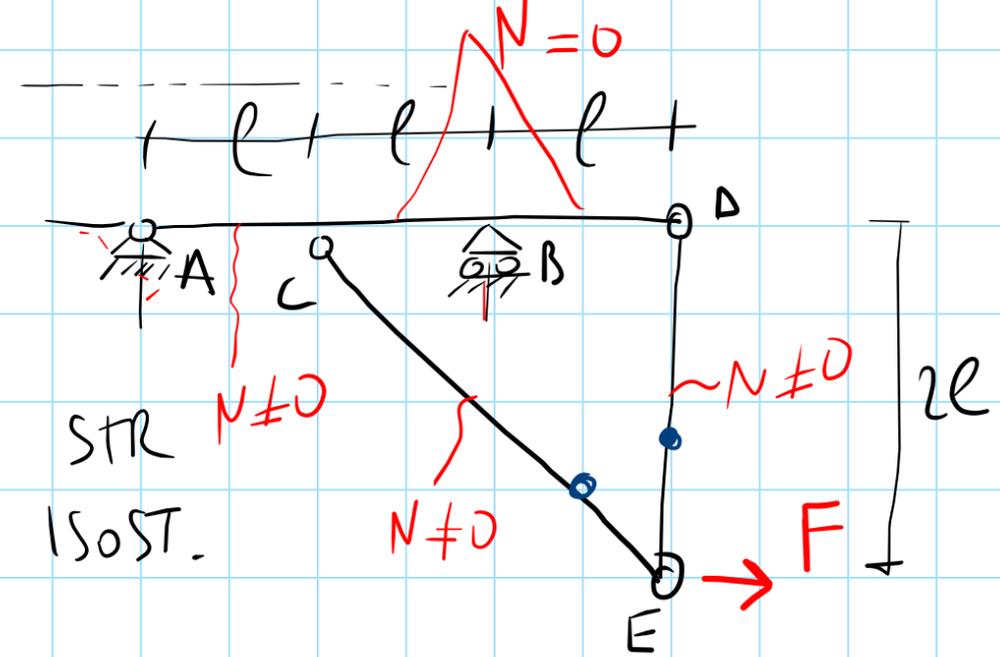
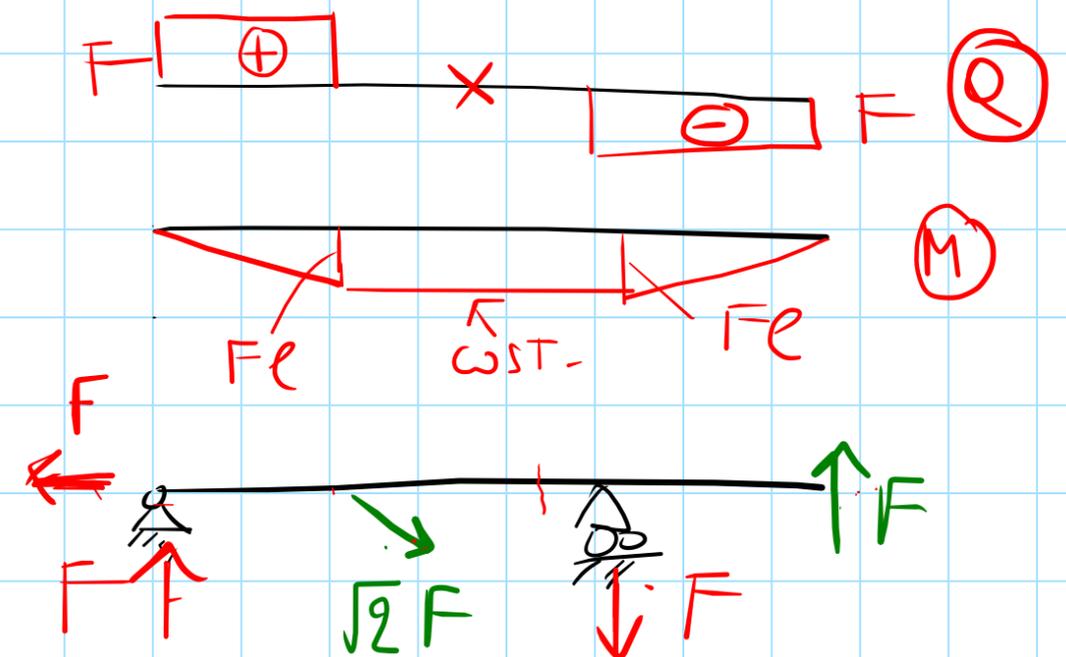
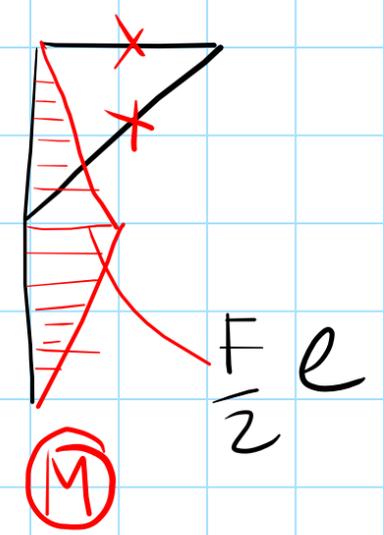
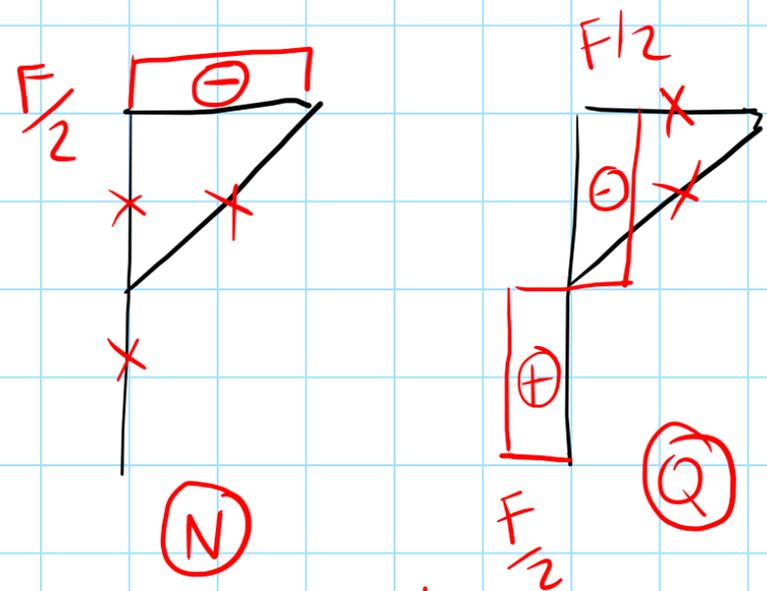
3 GDL  
DISP.

$g = 9$   
 $v_{INT} = 6$

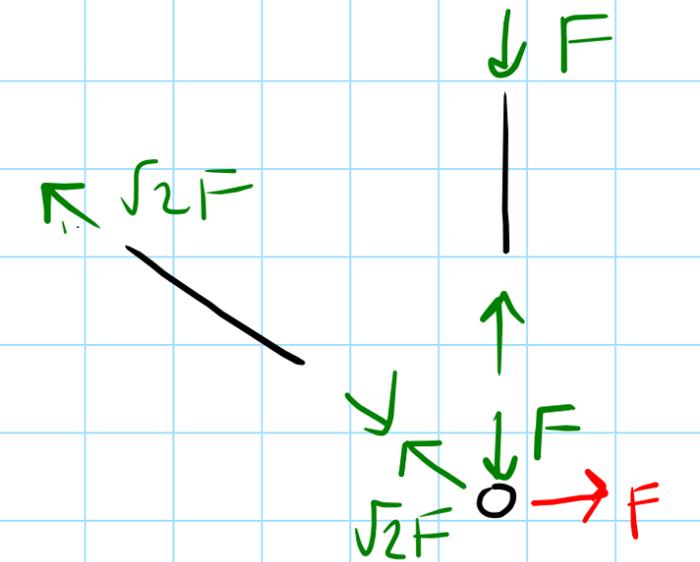


RETICOLORE

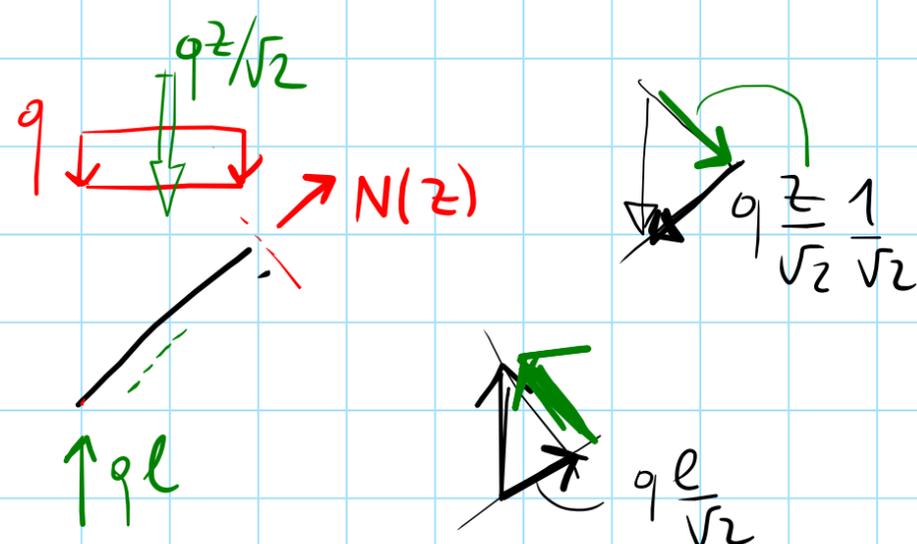
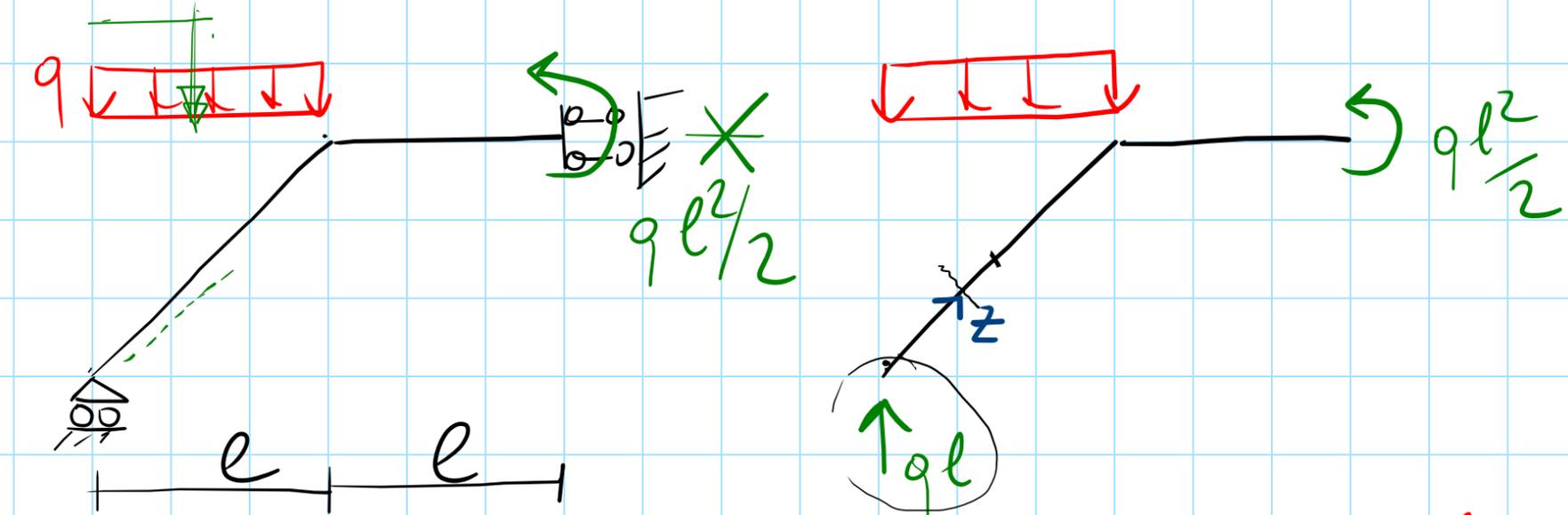




$N_{CE} = +\sqrt{2}F$  (TIRSONTE)  
 $N_{DE} = -F$  (PUNTONTE)



ES: CAS SU ASTA "INCLINATA"



$$\rightarrow : +N(z) - \frac{qz}{2} + \frac{ql}{\sqrt{2}} = 0$$

$$-\frac{ql}{\sqrt{2}} = N(0)$$

$$0 = N(\sqrt{2}l)$$

$$N(z) = \frac{qz}{2} - \frac{ql}{\sqrt{2}}$$

$$Q(z) = \frac{ql}{\sqrt{2}} - \frac{qz}{2}$$

$$Q(0) = +\frac{ql}{\sqrt{2}}$$

$$Q(\sqrt{2}l) = 0$$

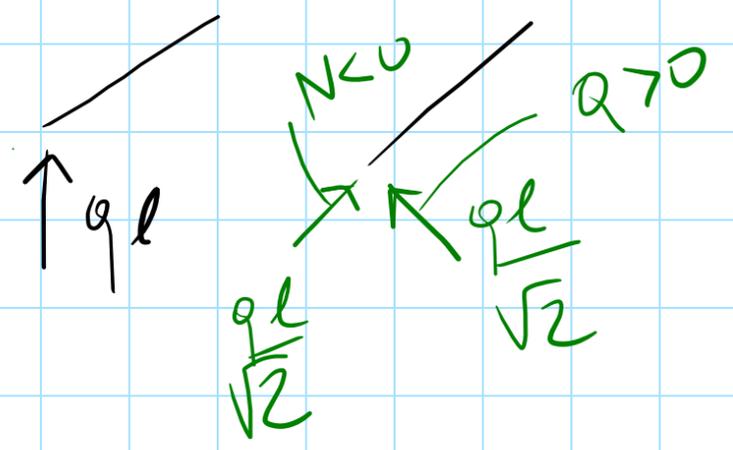
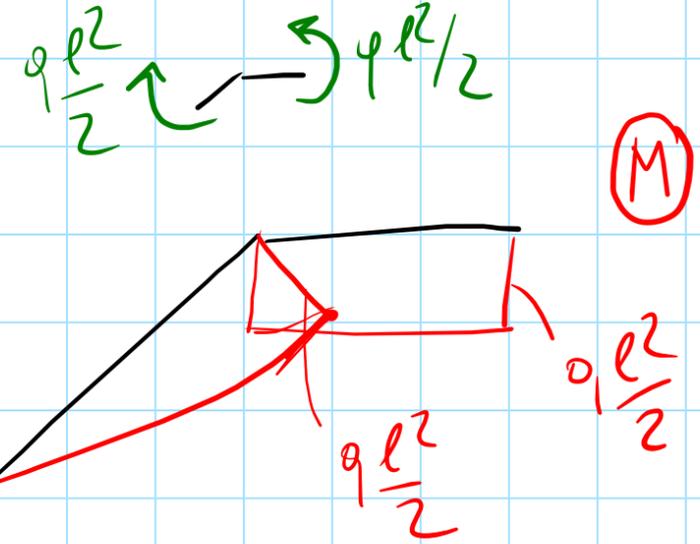
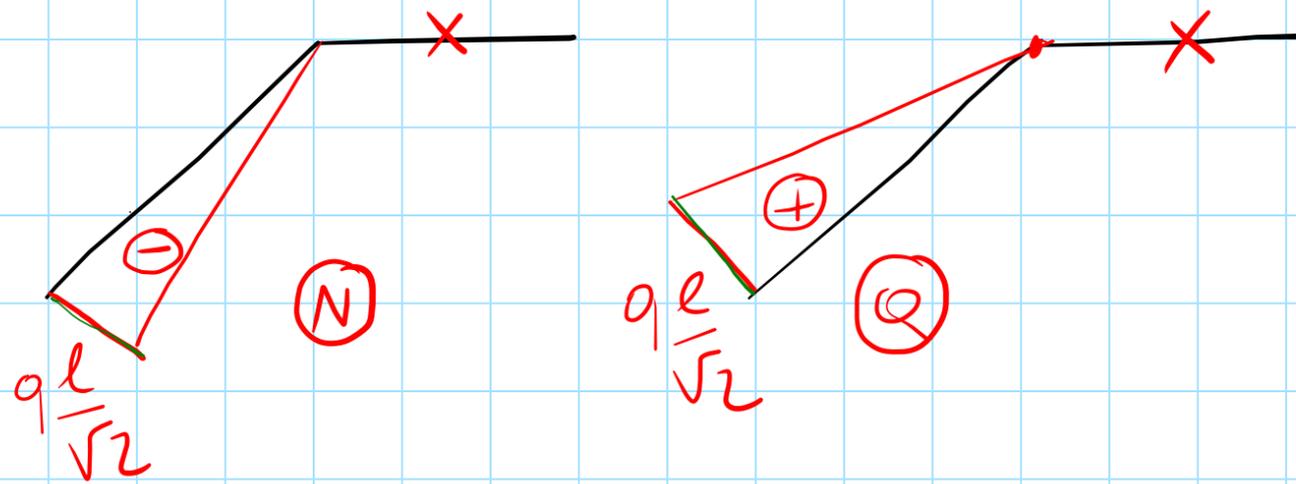
$$\downarrow : +Q(z) + \frac{qz}{2} - \frac{ql}{\sqrt{2}} = 0$$

$$\curvearrow : +M(z) + \frac{qz}{\sqrt{2}} \cdot \frac{z}{\sqrt{2}} \cdot \frac{1}{2} - ql \frac{z}{\sqrt{2}} = 0$$

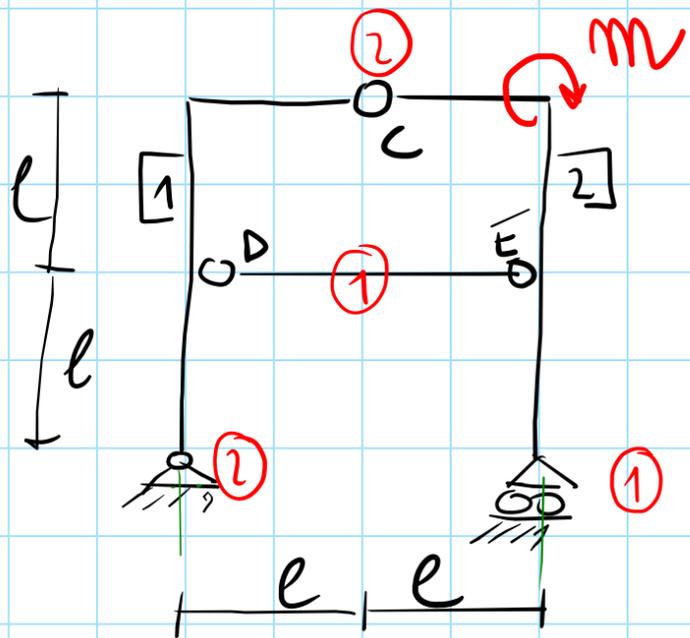
$$M(z) = ql \frac{z}{\sqrt{2}} - \frac{qz^2}{4}$$

$$M(0) = 0$$

$$M(\sqrt{2}l) = +\frac{ql^2}{2}$$

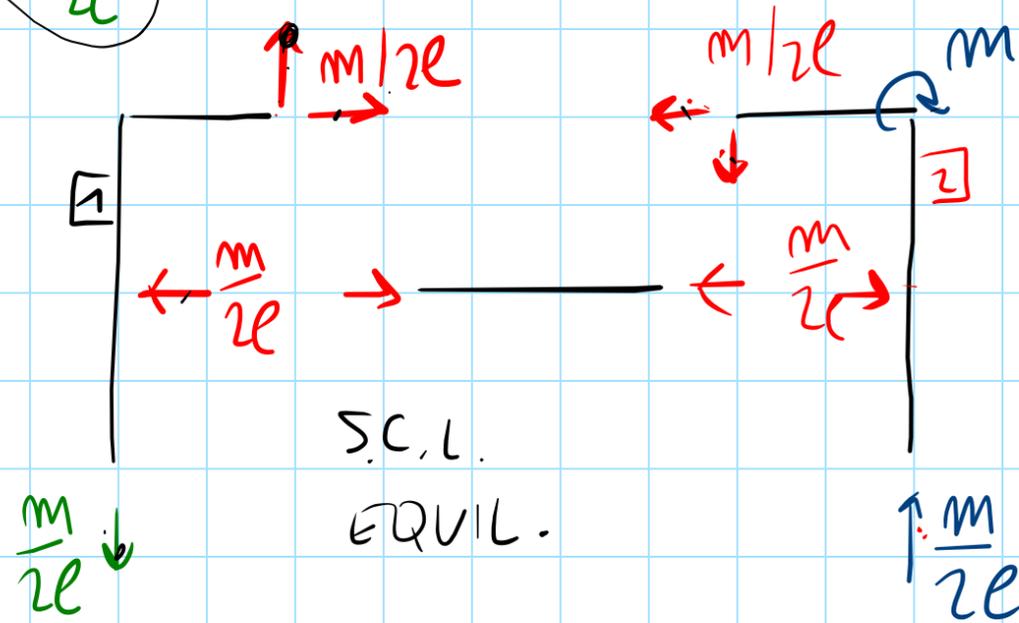
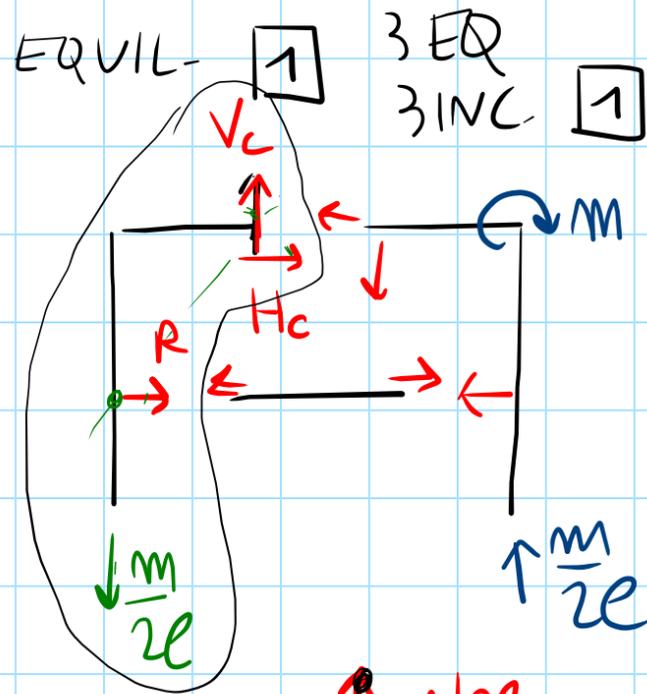
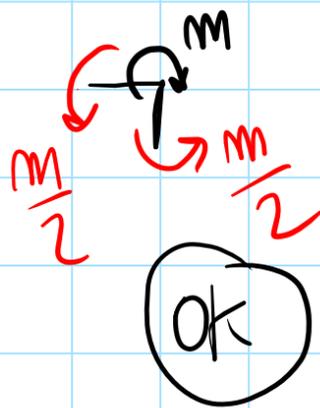
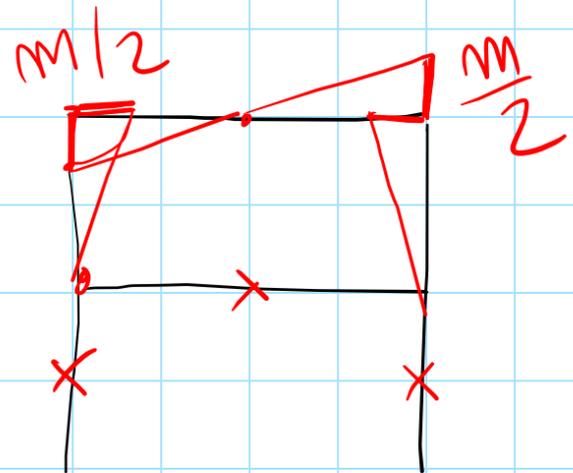
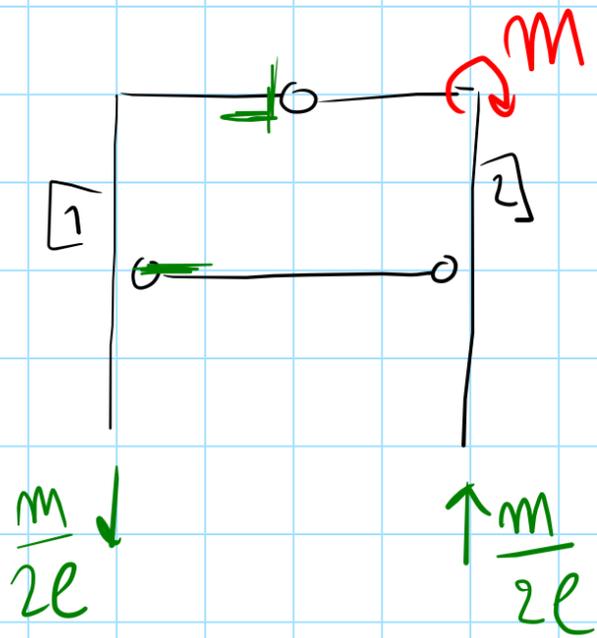


LES: STR ISOST.



$q = 6$   
 $v_{INT} = v_{EST} = 3$   
 $v = 6$

VERIFICA  
 BILANCIO  
 MOMENTI  
 NODI CARICATI



$$EQ \text{ [2]} \curvearrowright^+ : -M + \frac{M}{2e}e + \frac{M}{2e}e = 0$$