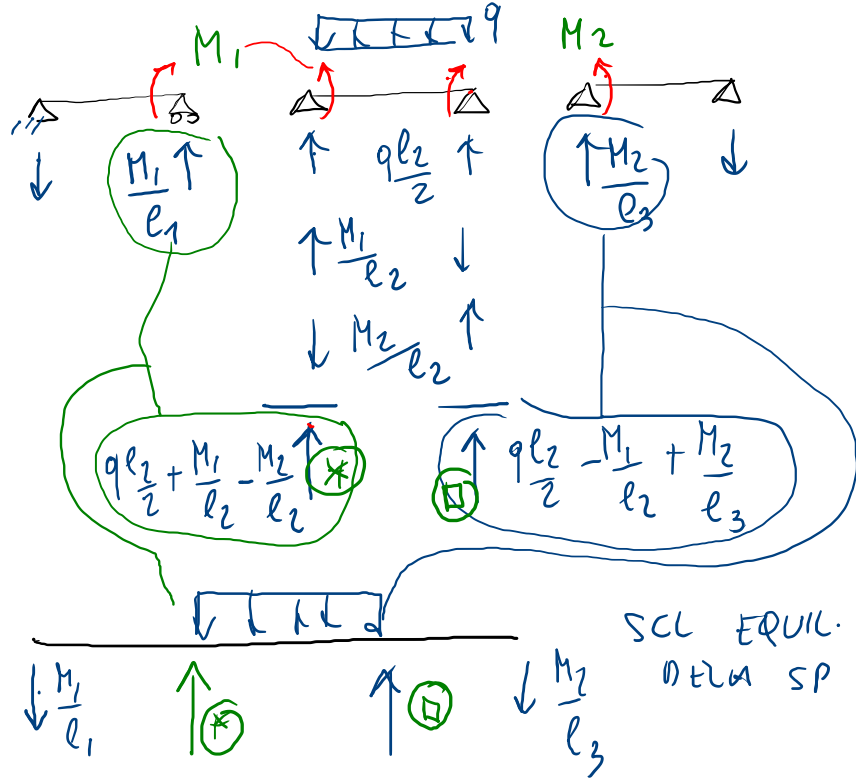


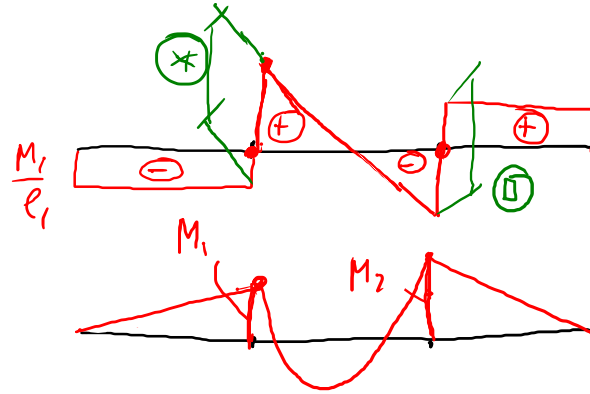
TRAVI CONTINUE



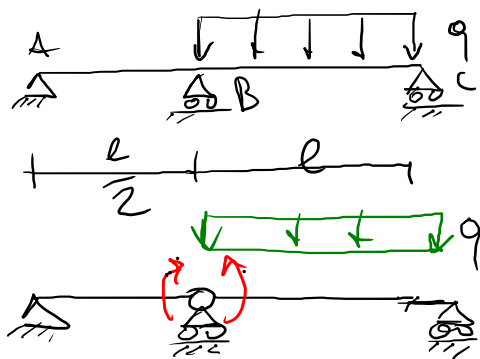
$$X_1 = \Delta M_1 ; X_2 = \Delta M_2$$

7/12/22

2h MERC. 14/12
h 14-16



ES



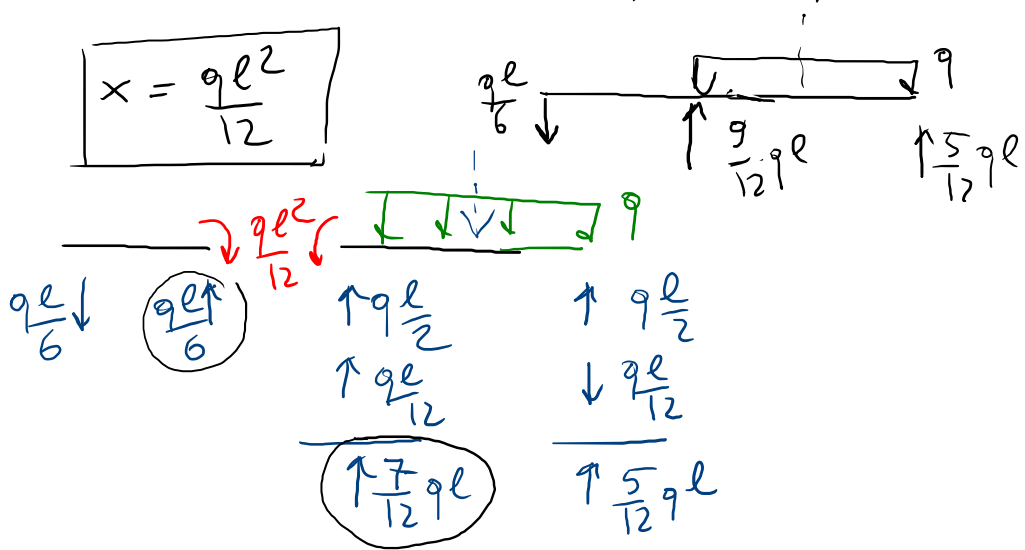
EJ cost
1 VIPERST

$$+ \frac{X l / 2}{3} + \frac{X l}{3} = \frac{q l^3}{24}$$

MONUMI DI STABILITA' TERMODINAMICA

$$\frac{X l}{6} + \frac{X l}{3} = \frac{q l^3}{24} \Rightarrow \frac{2+4}{12} X = \frac{q l^2}{24} \Rightarrow X = \frac{q l^2}{12}$$

$$X = \frac{q l^2}{12}$$

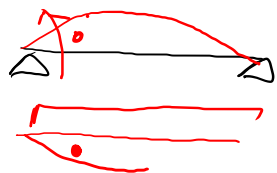
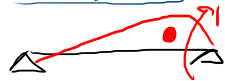


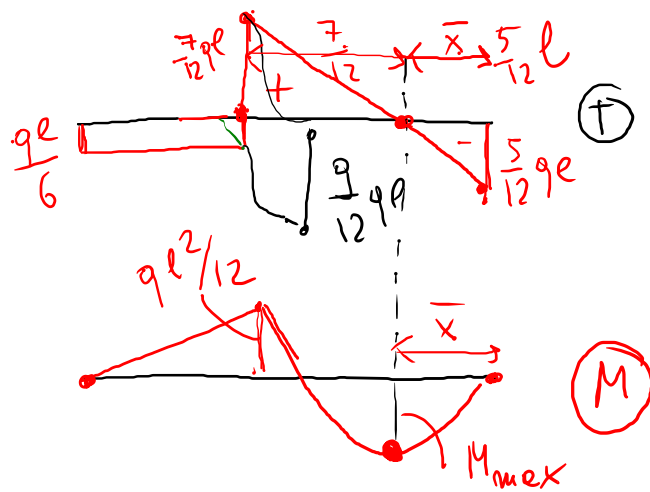
EQ DI CONGR:

$$\varphi_{BA} = \varphi_{BC}$$

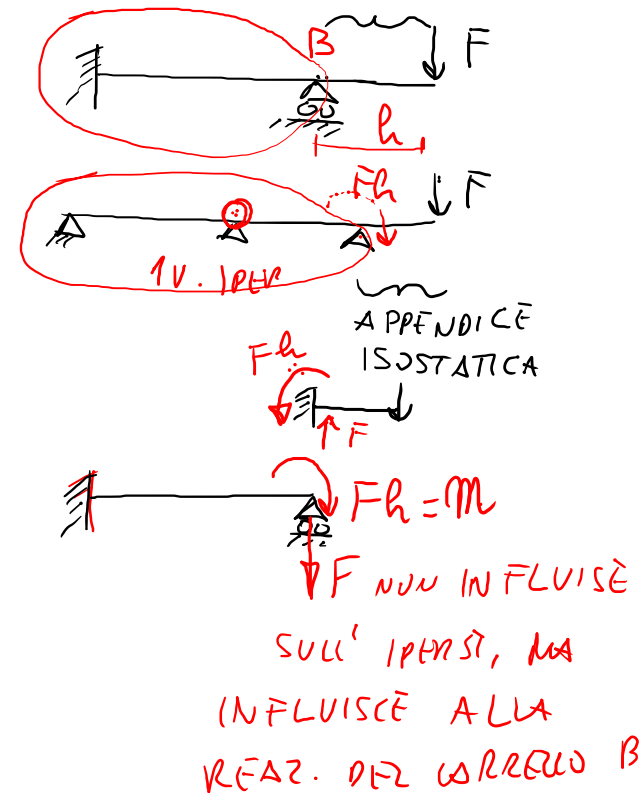
$$\varphi_{BA}(X) = \varphi_{BC}(X, q)$$

$$-\frac{X l / 2}{3 E J} = \frac{X l}{3 E J} - \frac{q l^3}{24 E J}$$

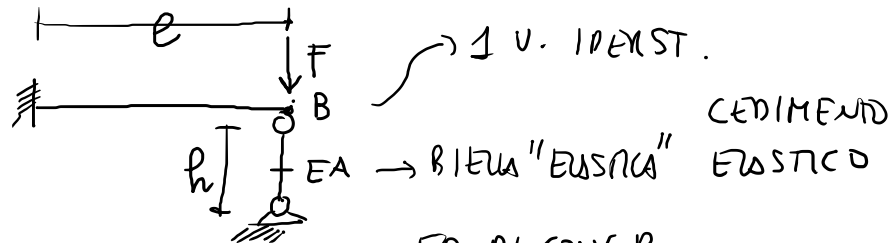




$$T_{max} = \frac{7}{12} qe, B^+$$



STR IPERST. CON CEDIMENTI VINCOLARI



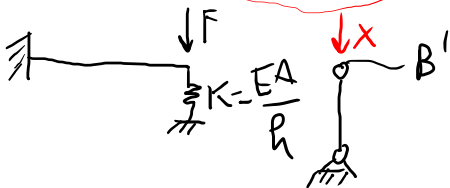
EQ. DI CONGR.

$$v_B = v_{B'}$$

$$J +$$

$$\left(A = \frac{J}{h^2} \right)$$

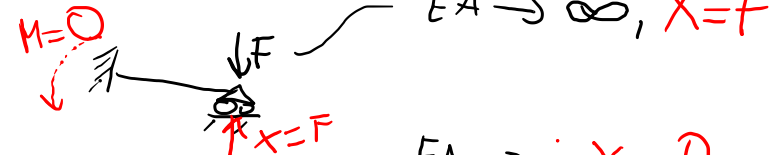
SI POTREBBE ASSEGNARE
UNA LEGGE TRA λ e J

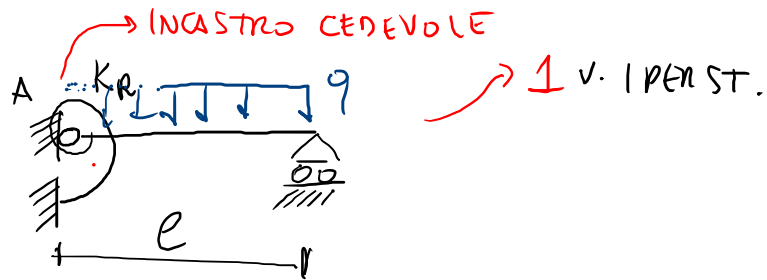


$$+ \frac{(F-x)l^3}{3EJ} = + \left(\frac{xh}{EA} \right) \frac{1}{K}$$

$$x \left(\frac{l^3}{3EJ} + \frac{h}{EA} \right) = \frac{Fl^3}{3EJ}$$

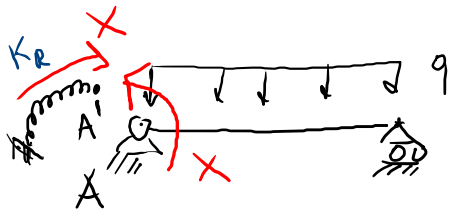
$$X = F \frac{l^3/3J}{\frac{l^3}{3J} + \frac{h}{A}} \Rightarrow \text{POSSO STUDIARE I CASI LIMITE}$$



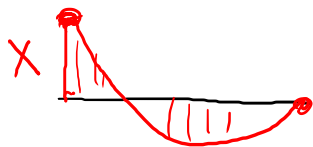


K_R : RIGIDEZZA ROTAZIONALE

$$M = K_R \varphi \quad \varphi = \frac{M}{K_R}$$



$$\varphi_A = \varphi_{A'}$$



$$\varphi_A \quad \varphi_{A'}$$

$$-\frac{ql^3}{24EJ} + \frac{Xl}{3EJ} = -\frac{X}{K_R}$$

$$X \left(\frac{l}{3EJ} + \frac{1}{K_R} \right) = \frac{ql^3}{24EJ} \quad ; \quad X > 0$$

$$X = \frac{ql^3/24EJ}{V}$$

$$[K_R] = \left[\frac{FL}{-} \right] = [FL] \quad (Nm)$$



$$K = \frac{F}{L} \Rightarrow \left(\frac{N}{m} \right)$$