Equazione delle trove tisa (EAWI)+ p=0

EA vigible arrale

dile laz-vous

cuvature.

$$\Delta T_{m} = \frac{1}{2} \left(T^{\dagger} + T^{\dagger} \right)$$

E modulo di Young A one a delle regione

I mom. dlin.

16 mg

ESEMPIO

? forza normale

$$m-m=l-i$$

$$3 - 6 = -i \implies i = 3$$

$$3$$

$$i=3 l=3 (stat. dut)$$

? forza normale

$$m-m=l-i$$

$$3 - 6 = -i \implies i = 3$$

$$\begin{cases} (EAw')^{1} + p = 0 & 2^{\circ} \text{ ordine } (z \text{ c.c.}) \\ W(z) = 0 & \exists ! \text{ solur.} \\ W(l) = 0 & \end{cases}$$

Soluz:
$$w(z) = \frac{p\ell^2}{2EA} \stackrel{?}{\sim} \left(1 - \stackrel{?}{\sim}\right)$$

$$\left[\frac{p\ell^2}{EA}\right] = \frac{p\ell^2}{2EA} = \frac{1}{2} \left[\frac{p\ell^2}{EA}\right] = \frac{p\ell^2}{2EA} = \frac{p\ell^2}{2E$$

ESEMPIO

Possa normale

N = EAE = EAW

$$\frac{2}{2}$$

$$\frac{2}{2}$$

$$\frac{2}{2}$$

$$\frac{2}{2}$$

$$\frac{2}{2}$$

$$\frac{2}{2}$$

$$\frac{2}{2}$$

$$\frac{2}{2}$$

$$\frac{2}{2}$$

$$N = EAE = EAW$$

$$= \frac{Pl}{2} \left(1 - 2\frac{3}{2}\right)$$

$$w'(z) = \frac{p\ell^2}{2EA} \left(\frac{1}{\ell} - 2 \frac{z}{\ell^2} \right)$$
$$= \frac{p\ell}{2EA} \left(1 - 2 \frac{z}{\ell} \right)$$

$$\begin{cases} (EAw')^{1} + h = 0 & 2^{\circ} \text{ online} \quad (z \text{ c.c.}) \\ w(\circ) = 0 \\ w(\ell) = 0 \end{cases}$$

$$EA = cost.$$

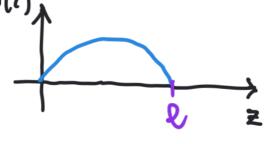
Soluz:
$$W(z) = \frac{p\ell^2}{2EA} \left(\frac{2}{\ell} \left(1 - \frac{2}{\ell} \right) \right)$$

Solur:
$$W(z) = \frac{p\ell^2}{2EA} \stackrel{?}{\sim} \left(1 - \frac{2}{\ell}\right)$$

$$\left[\frac{p\ell^2}{EA}\right] = F \chi^{-1} \chi^2 \left(F(-1)^{-1}\right) \chi^2 = L \quad 0$$

$$W(7)$$

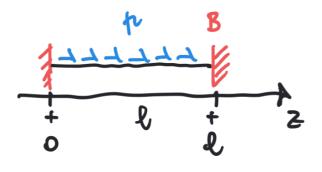
$$\frac{p\ell}{2} + \frac{2}{\ell}$$



$$N(o) = \frac{p\ell}{p\ell}$$

$$N(\ell) = -\frac{p\ell}{2}$$

ESEMPIO



? forza normale

$$= \frac{p\ell}{2} \left(1 - 2 \frac{2}{\ell} \right)$$

$$w'(z) = \frac{p\ell^2}{2EA} \left(\frac{1}{\ell} - 2 \frac{z}{\ell^2} \right)$$
$$= \frac{p\ell}{2EA} \left(1 - 2 \frac{z}{\ell} \right)$$

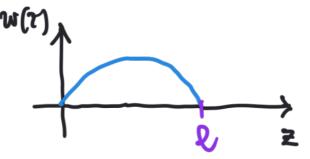
$$W(z) = \frac{p\ell^2}{2EA} \frac{2}{\ell} \left(1 - \frac{2}{\ell}\right)$$

pl 2 1 tesa compressa

177777



Soluz:



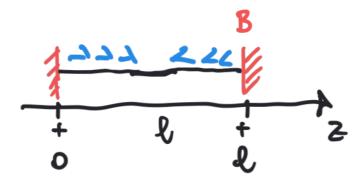
pl + .

, and fime

$$N(0) = \frac{p\ell}{2}$$

$$N(\ell) = -\frac{p\ell}{2}$$

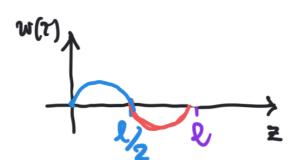




Pl Z HHHHHHHHHHH

N mon dipende de <u>k</u>

Soluz:



$$N=F$$

$$W(z)=w(0)+\int_{0}^{z} \varepsilon(s)ds$$

$$\begin{cases} (EAw')'=0 & \text{Si pui riblete,} \\ w(0)=0 & \text{Ma mon conview...} \end{cases}$$

$$w'(0)=0 & \text{Ma mon conview...}$$

$$\int w' = F + C_2 = F$$

$$W(c) = c_1 + C_2 = F$$

$$W(c) = c_2 = F$$

$$EA$$