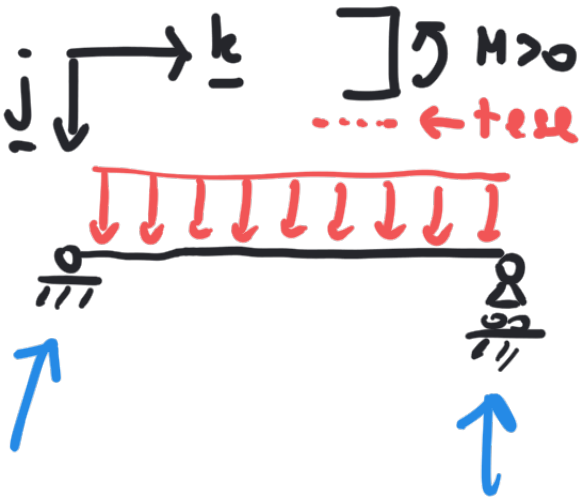
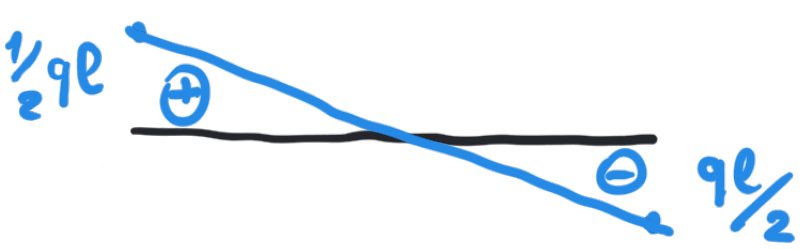
ESEMPIO DI INTEGRAZIONE

$$N' + p = 0$$

$$\begin{cases} T' + q = 0 \\ M' - T = 0 \end{cases}$$



$M(0) = 0$ $\qquad$ $M(\ell) -$



T

$\frac{q\ell^2}{8}$ +

M

$$T(z) = c_1 - qz$$

$$M(z) = c_2 + c_1 z - \tfrac{1}{2} q z^2$$

c.c. $\Rightarrow$ $c_2 = 0$, $c_1 = \tfrac{1}{2} q\ell$

$\Rightarrow$

$$T(z) = q\left(\tfrac{1}{2}\ell - z\right)$$

$$M(z) = \tfrac{1}{2} qz(\ell - z)$$

ESEMPI DI INTEGRAZIONE

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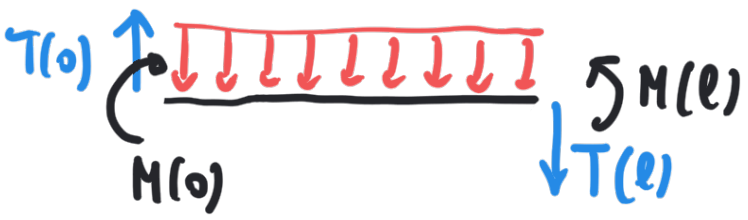

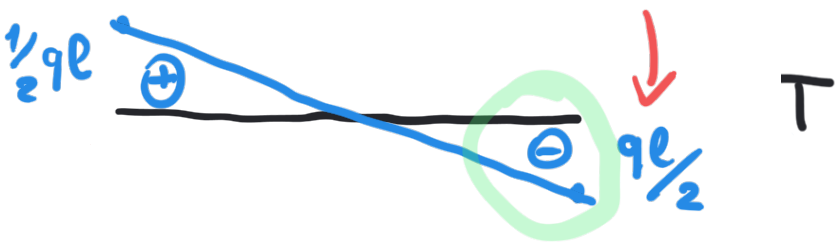

$$T(z) = q\left(\tfrac{1}{2}l - z\right)$$

$$M(z) = \tfrac{1}{2}qz(l - z)$$

Oss

Il metodo permette di calcolare (a posteriori) le reazioni vincolari