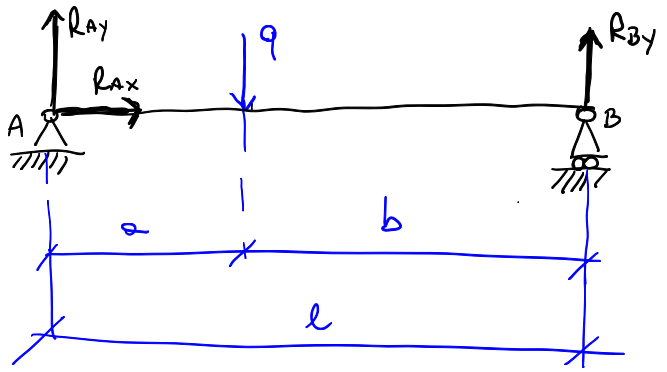
ESERCIZIO SU FOGLIO ELETTRONICO



Equilibrio:

$\xrightarrow{+}$ $+\uparrow$ $\circlearrowleft_{A}^{+}$

$$\begin{cases} R_{Ax} = 0 \\ R_{Ay} - q + R_{By} = 0 \\ -q \cdot a + R_{By} \cdot (a+b) = 0 \end{cases}$$

INPUT: $\begin{cases} a \\ b \\ q \\ l \end{cases}$ $\Rightarrow$ OUTPUT: $\begin{cases} R_{Ax} \\ R_{Ay} \\ R_{By} \end{cases}$

$$\Downarrow$$

$$\begin{cases} R_{Ax} = 0 \\ R_{Ay} = q - \dfrac{q \cdot a}{a+b} \\ R_{By} = \dfrac{q \cdot a}{a+b} \end{cases} \Rightarrow \begin{cases} R_{Ax} = 0 \\ R_{Ay} = q\left(1 - \dfrac{a}{a+b}\right) \\ R_{By} = q \cdot \dfrac{a}{a+b} \end{cases}$$