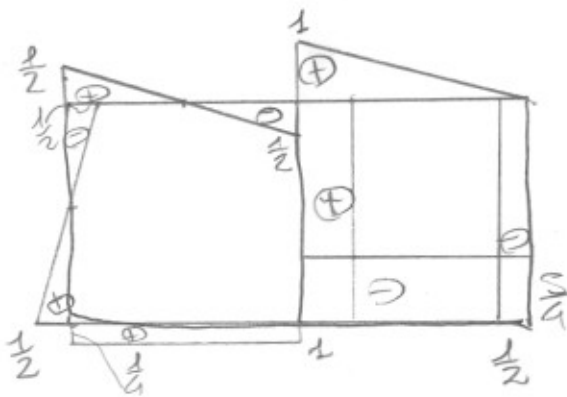
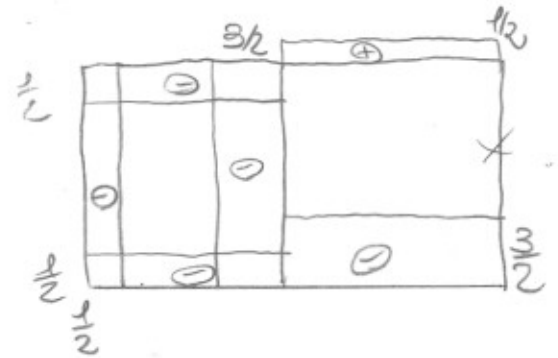


UTILIZZO LE EQUAZIONI CARDINALI DELLA STATICA PER DETERMINARE LE REAZIONI VINCOLARI. AMO LA STRUTTURA IN "B" ED "E" E UTILIZZO LE EQUAZIONI AUSILIARIE.

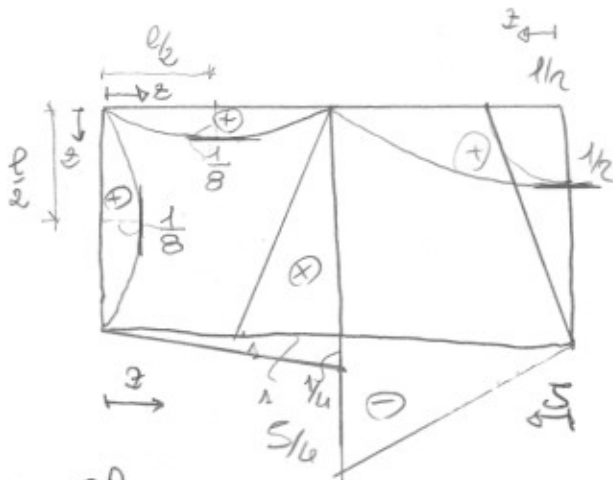
ASSETTO STATICO:



$1/qe$

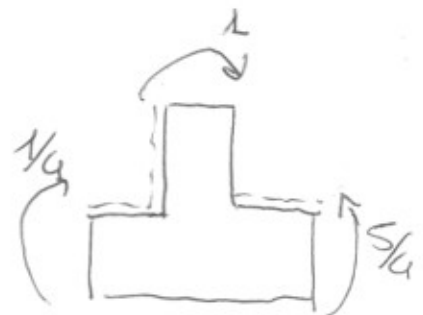


$\tau/qe$



VERIFICA DEL NODO F

$M/qe^2$

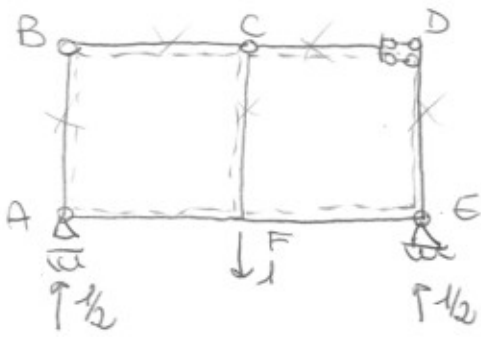


$$1 + \frac{1}{4} - \frac{5}{4} = 0 \quad \checkmark$$

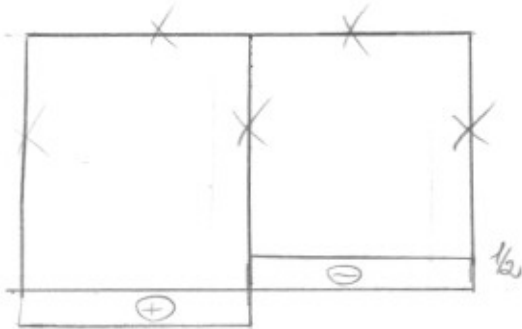
$$AF \quad M(z) = -\frac{qe}{2} z$$

$$EF \quad M(s) = -\frac{5}{4} qe s$$

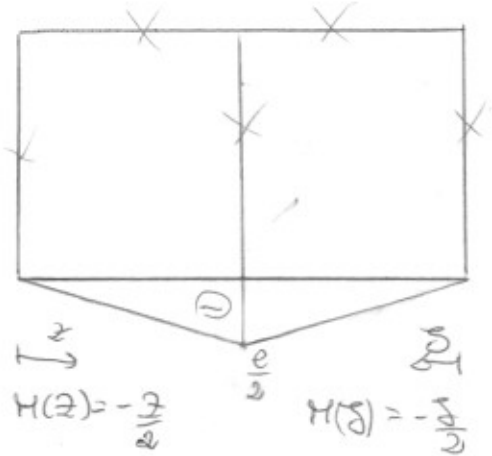
# SISTEMA AUXILIARIO



T



M



$$1 \cdot \delta_F - \frac{1}{2} \Delta = \int_0^l \left(-\frac{3}{8}\right) \left(-\frac{ql}{4} z\right) \frac{dz}{K_X} + \int_0^l \left(-\frac{3}{8}\right) \left(-\frac{5}{4} ql s\right) \frac{ds}{K_X} =$$

$$= \int_0^l \frac{qlz^2}{8} \frac{dz}{K_X} + \int_0^l \frac{5}{8} qls^2 \frac{ds}{K_X} =$$

$$= \frac{ql^4}{3 \cdot 8 \cdot K_X} + \frac{5}{8} \frac{ql^4}{3 K_X} = \frac{6}{24} \frac{ql^4}{K_X} = \frac{1}{4} \frac{ql^4}{K_X}$$

$$\delta_F = \frac{ql^4}{4K_X} + \frac{\Delta}{2}$$

