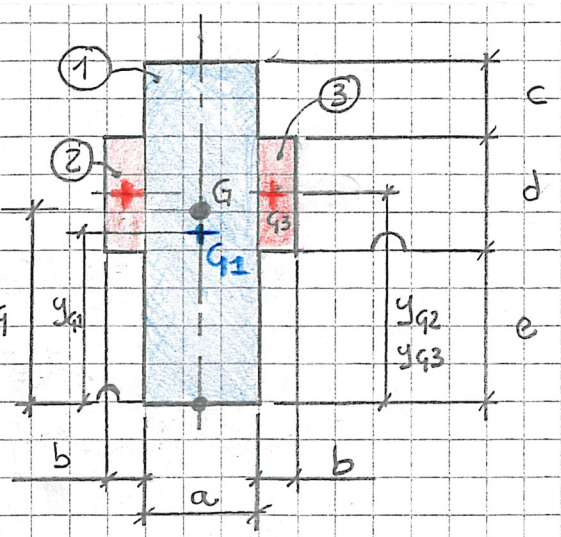
Scritto FCdM
11/6/2019
esercizio 4



$$y_{G1} = \frac{c+d+e}{2}$$

$$y_{G2} = y_{G3} = e + \frac{d}{2}$$

$$y_G = \frac{a_1 \cdot y_{G1} + a_2 y_{G2} + a_3 y_{G3}}{a_1 + a_2 + a_3}$$

$$a_1 = a \cdot (c+d+e)$$

$$a_2 = a_3 = b \cdot d$$

$$J_1 = \frac{a\,(c+d+e)^3}{12} + a_1 \cdot (y_G - y_{G1})^2$$

$$J_2 = J_3 = \frac{b\,d^3}{12} + a_2\,(y_{G2} - y_G)^2$$

$$J_{tot} = J_1 + J_2 + J_3$$

valori numerici differenziati per traccia