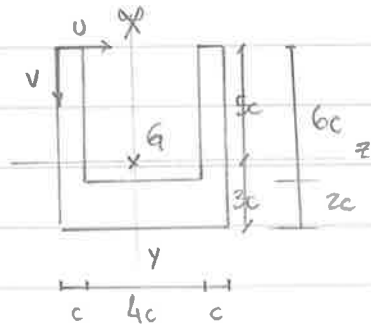
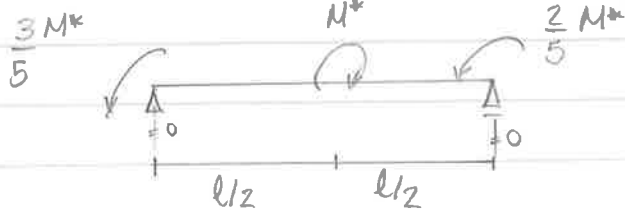


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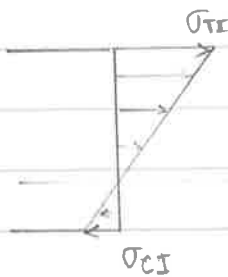
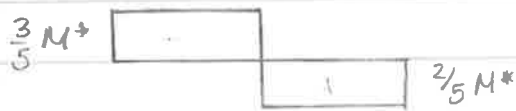
$$V_G = \frac{\sum U}{A} = \frac{(4c \cdot 8c \cdot 6c) - (3c \cdot 6c \cdot 4c)}{8c \cdot 6c - 6c \cdot 4c} = 5c$$

$$I_U = \frac{(6c)(8c)^3}{3} - \frac{(4c)(6c)^3}{3}$$

$$I_Z = I_U - (5c)^2 A = 136c^4 \Rightarrow W_{z,s} = \frac{I_Z}{y_s} = \frac{136c^4}{5c} = \frac{136c^3}{5}$$

$\sigma_{T, \max}$ e $\sigma_{C, \max}$?

$$W_{z,i} = \frac{I_Z}{y_i} = \frac{136c^4}{3c} = \frac{136c^3}{3}$$



$$\sigma_{T,I} = \frac{3/5 M^*}{136/5 c^3} = \frac{3 M^*}{136 c^3} = \sigma_{T, \max}$$

$$\sigma_{C,I} = \frac{3/5 M^*}{136/3 c^3} = \frac{9 M^*}{680 c^3}$$



$$\sigma_{T,II} = \frac{2/5 M^*}{136/3 c^3} = \frac{6 M^*}{680 c^3}$$

$$\sigma_{C,II} = \frac{2/5 M^*}{136/5 c^3} = \frac{2 M^*}{136 c^3} = \sigma_{C, \max}$$