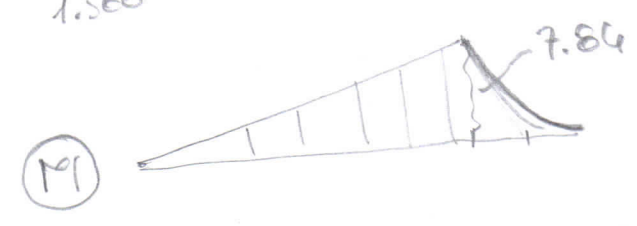
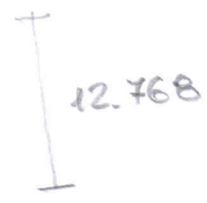
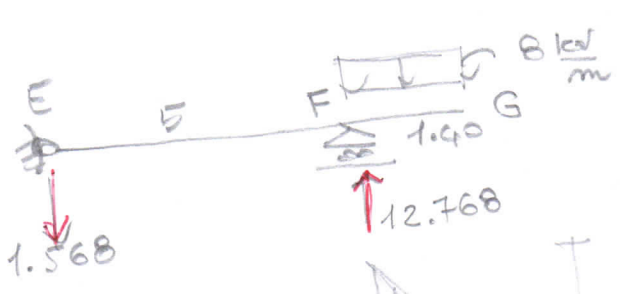
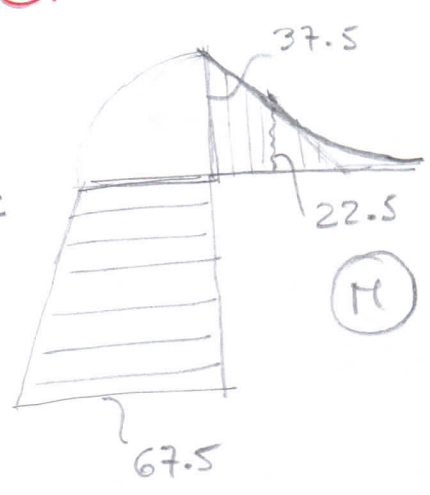
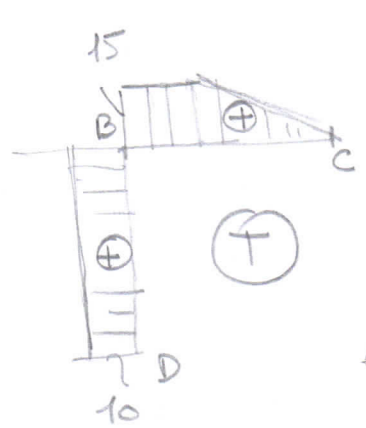
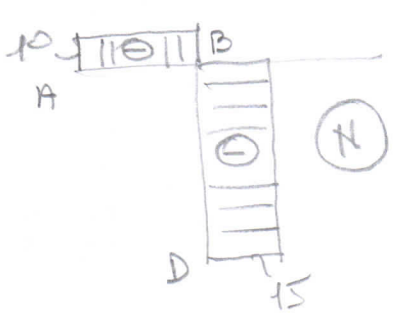
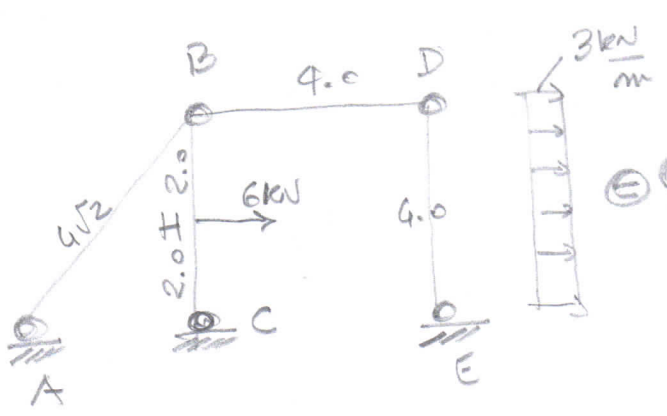
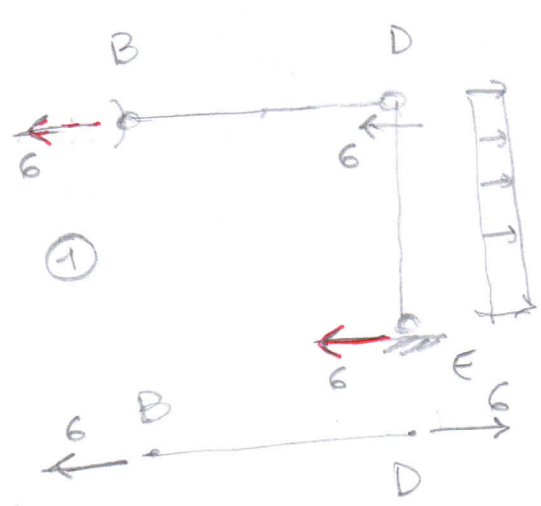


ES.1

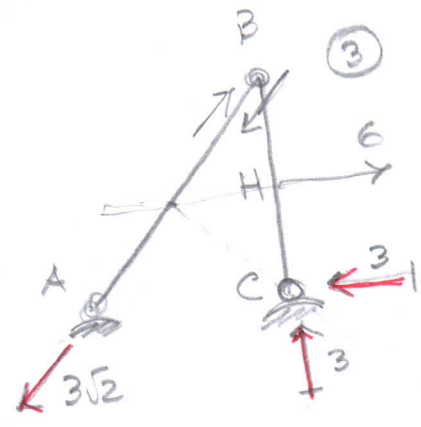
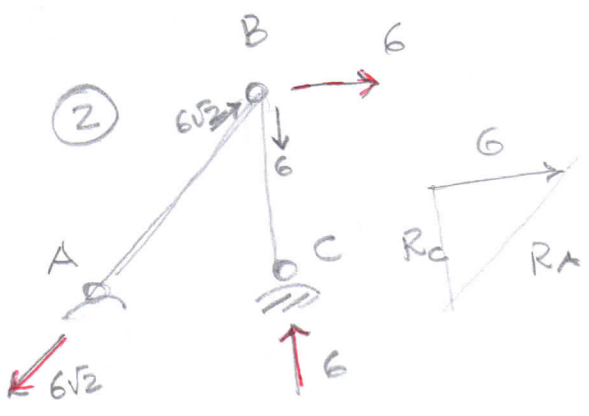




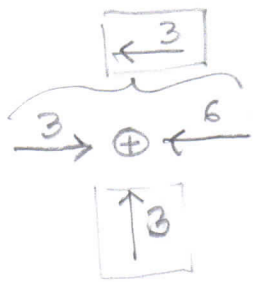
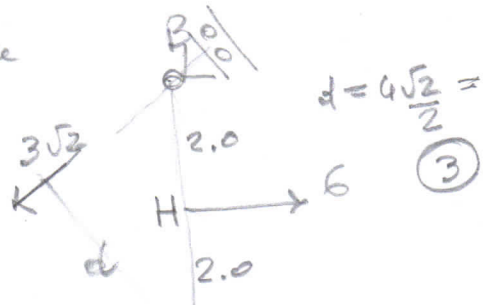
⑤ ①+②+③



①

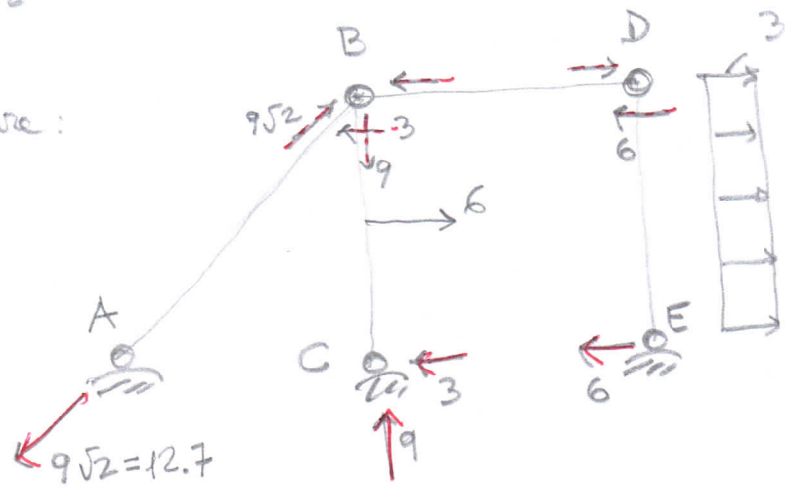


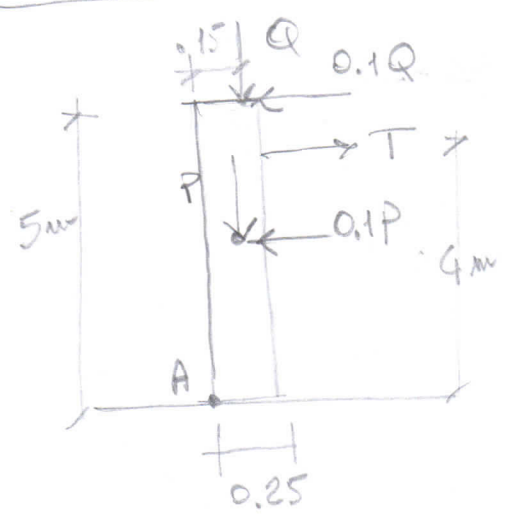
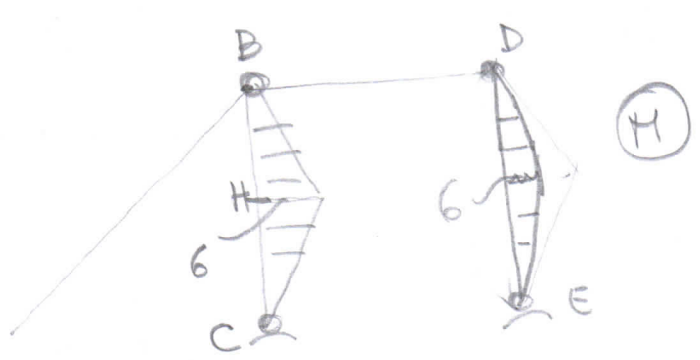
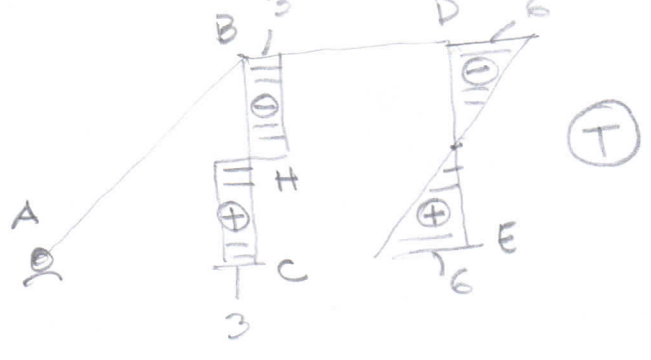
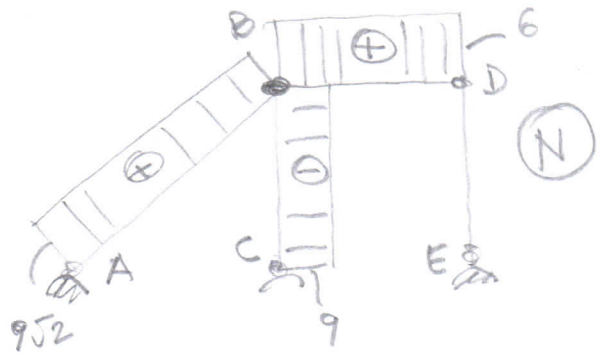
opposite $d = 4\sqrt{2} = 2\sqrt{2} = 2.83$



$\frac{12}{2\sqrt{2}} = \frac{6}{\sqrt{2}} = 3\sqrt{2}$

la definitiva:





$q_{sol} = 3 \frac{kN}{m}$
 $l_{st} = 4m$
 prof. muru = 1m
 $\gamma = 18 \frac{kN}{m^3}$

$Q = 3 \times \frac{4}{2} = 6 \frac{kN}{m}$

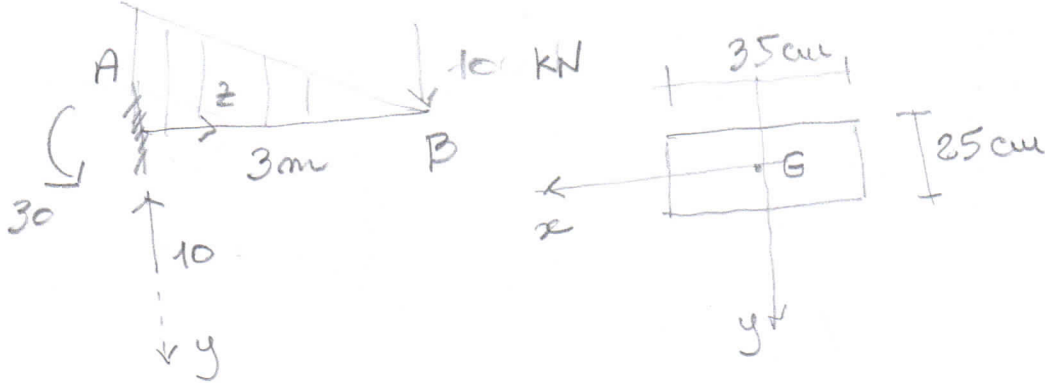
$P = 18 \times 5 \times 0.25 = 22.5$

$M_{st} = 22.5 \times \frac{0.25}{2} + 6 \times 0.15 + T \cdot 4 = 3.7125 + 4T$

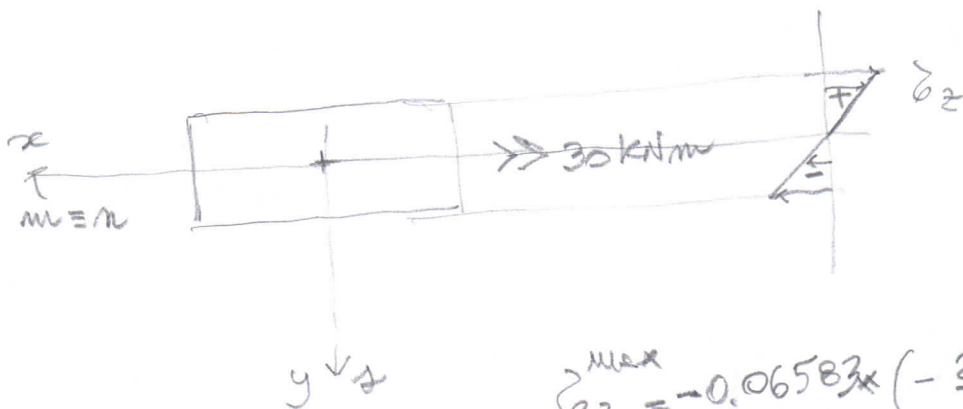
$M_{cut} = 0.1 \times (22.5 \times \frac{5}{2} + 6 \times 5) = 8.625$

$T = \frac{8.625 - 3.7125}{4} = 1.228 \text{ kN}$

(p.4)



$$I_z = \frac{35 \times 25^3}{12} = 45573 \text{ cm}^4$$
$$\sigma_z = -\frac{30 \times 10^6}{45573 \times 10^4} y = -0.06583 y$$



$$\sigma_z^{\text{max}} = -0.06583 \times \left(-\frac{250}{2}\right) = 8.23 \frac{\text{N}}{\text{mm}^2}$$