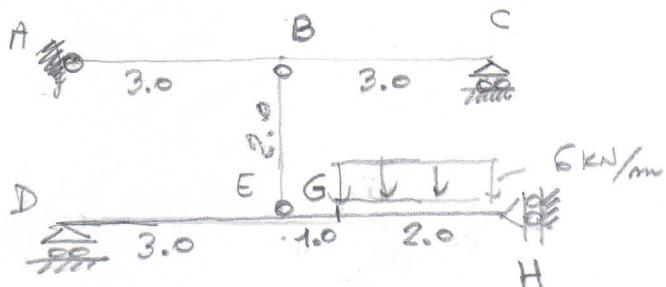
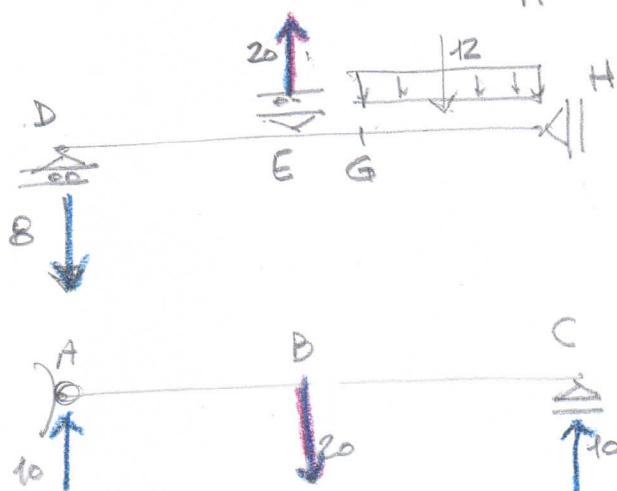


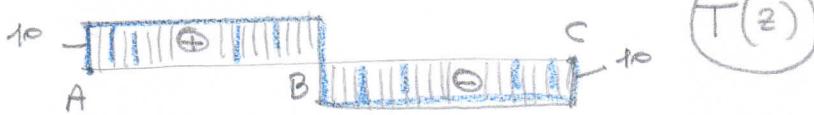
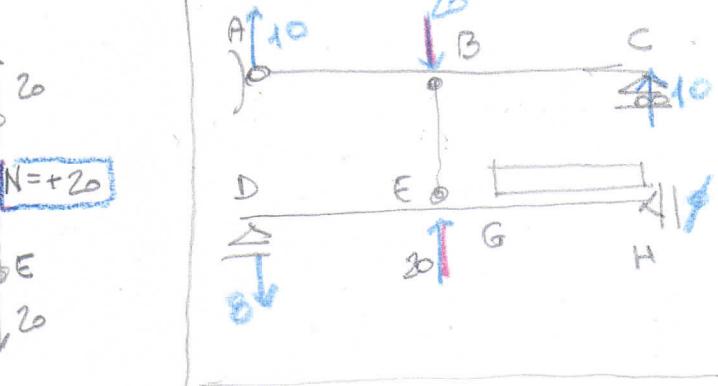
p.1



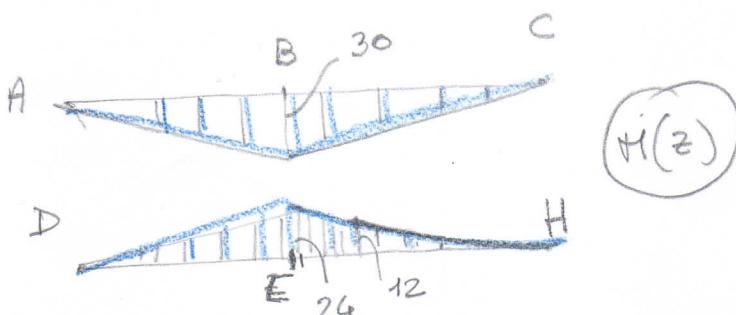
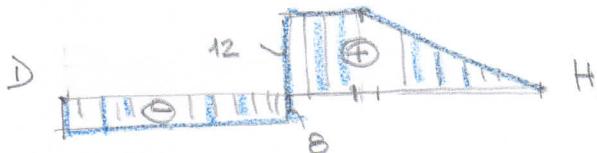
ES.1



RIEPILOGO

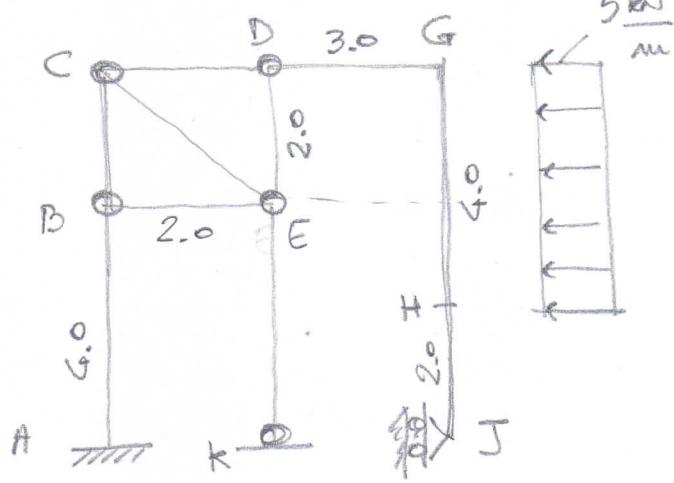
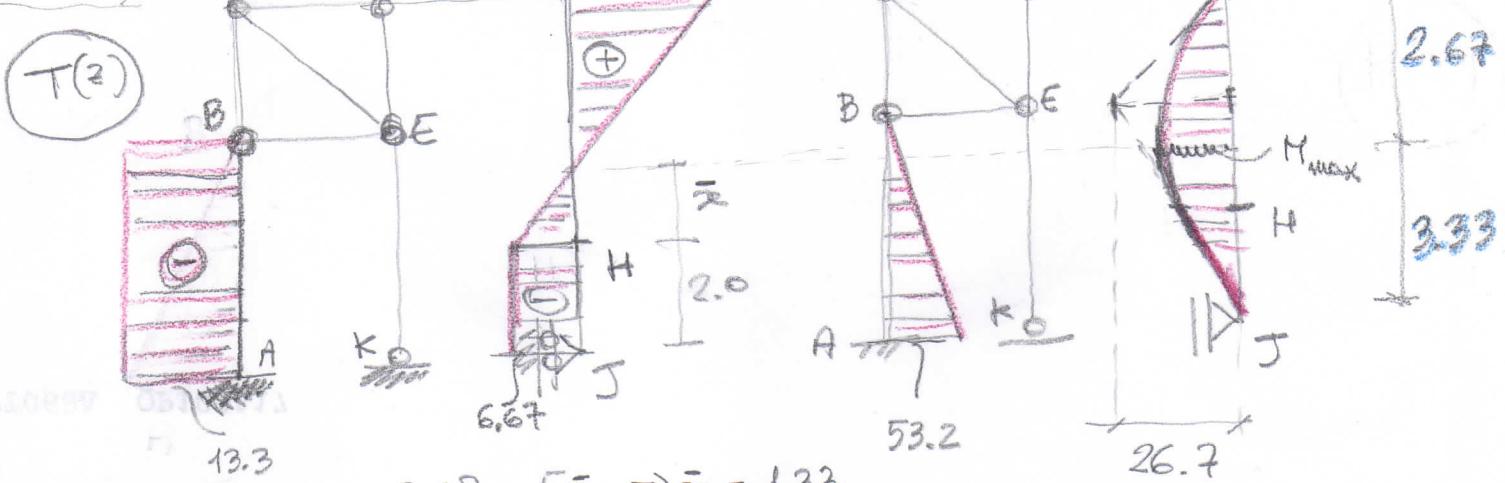
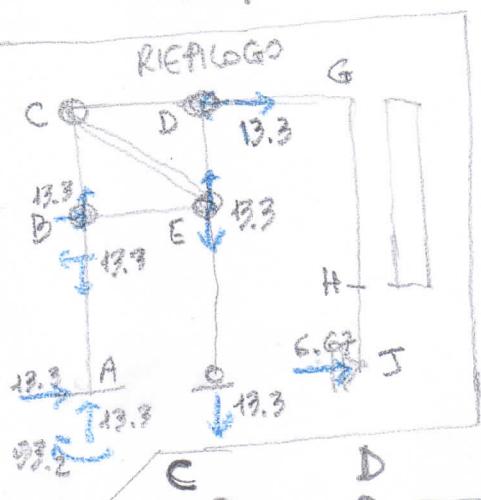
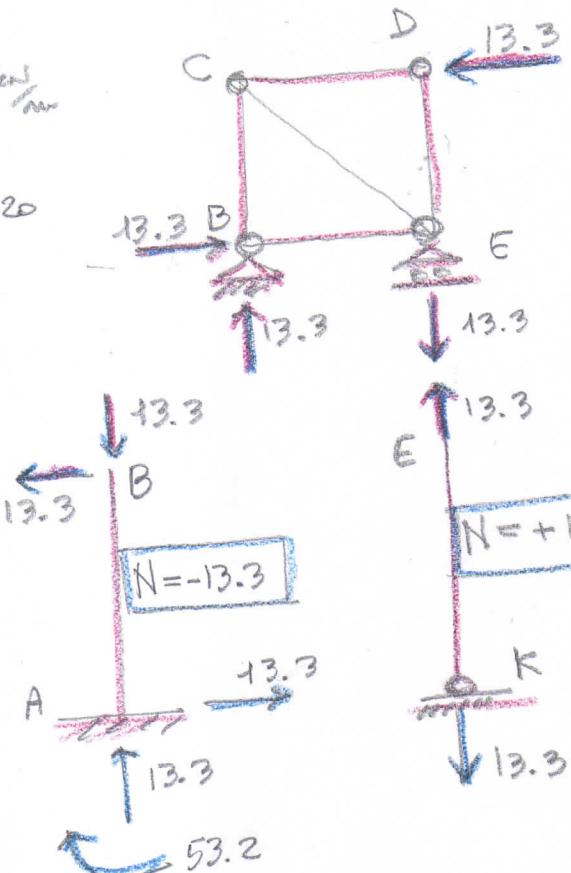
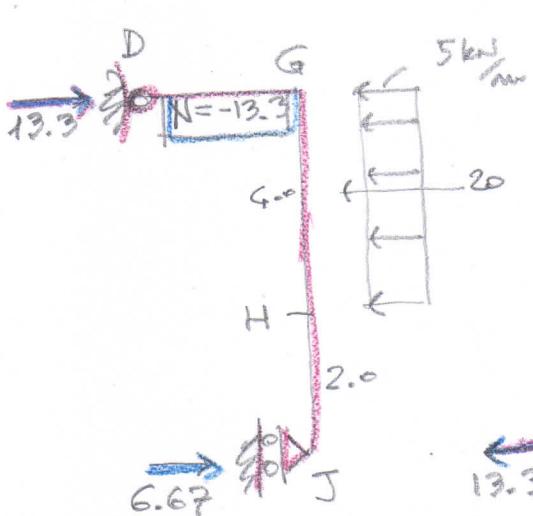


T(z)



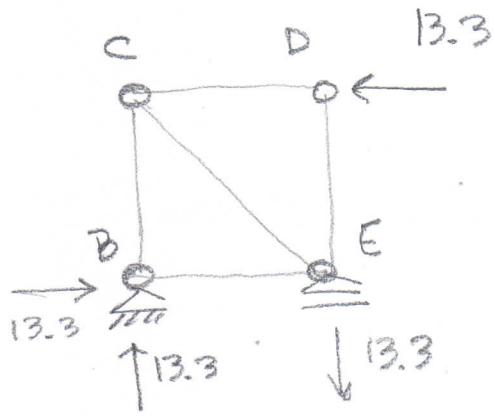
H(z)

P.2

ES.2

$$6.67 = 5\bar{x} \Rightarrow \bar{x} = 1.33$$

$$M_{\text{MAX}}^{G3} = H(\bar{x}) = \frac{13.3 \times 2.67}{2} = 17.9 \text{ kNm}$$



Nodo D

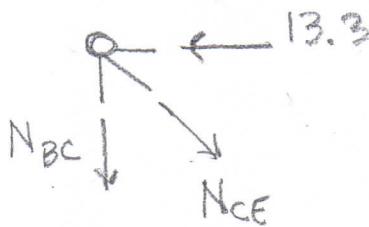
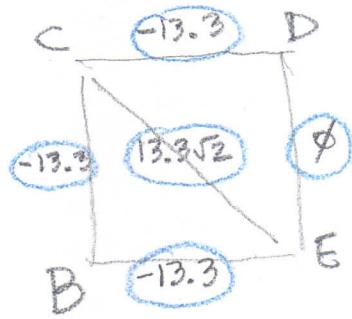


$$N_{CD} = -13.3$$

$$N_{DE} = 0$$

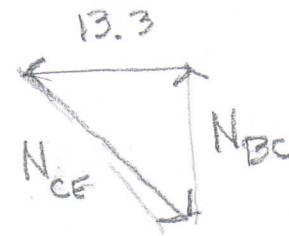
Φ.3

Nodo C

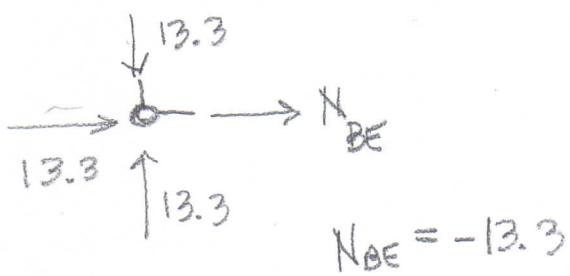


$$N_{BC} = -13.3$$

$$N_{CE} = 13.3\sqrt{2} = 18.8$$

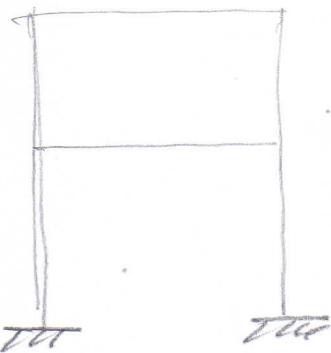


Nodo B



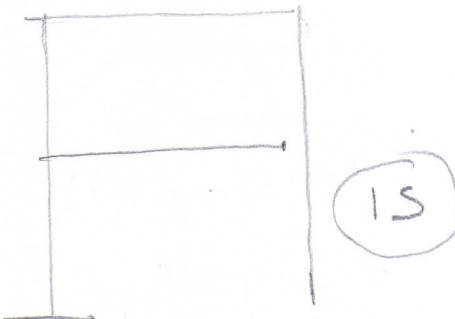
$$N_{BE} = -13.3$$

F.4

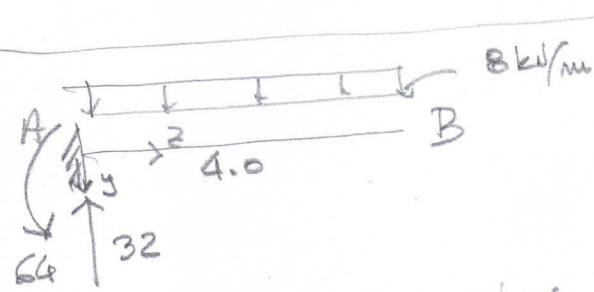
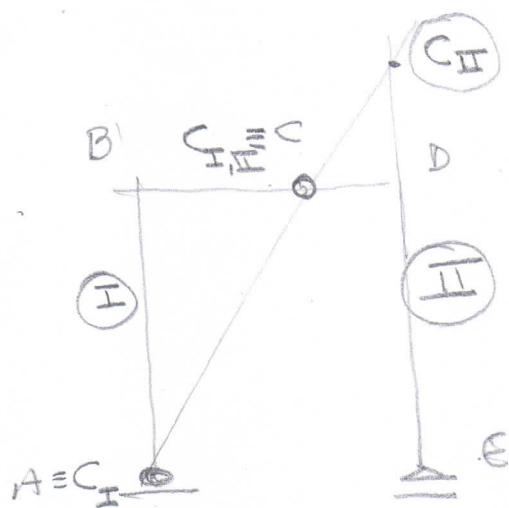


6: b

ES. 3



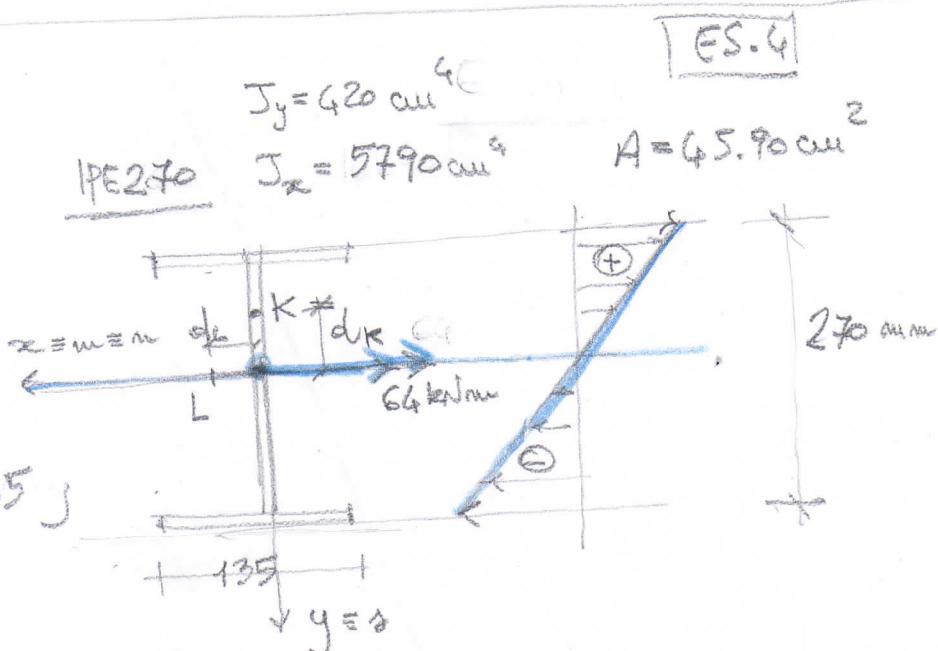
15



$$|M_{\text{max}}| - M_A = M_B = -64 \text{ kNm}$$

$$\delta_2 = - \frac{64 \times 10^6}{5790 \times 10^4} y = +1.105 \text{ J}$$

$$\delta_2^{\text{max}} = -1.105 \times \left( -\frac{270}{2} \right) = 149 \frac{\text{N}}{\text{mm}^2}$$



Pto K naccia:

$$\frac{270}{2} \times d = \int z^2 \Rightarrow \frac{270}{2} d = \frac{5790 \times 10^4}{45.9 \times 10^2} \Rightarrow d_K = 93 \text{ mm}$$

Pto L naccia:

$$\frac{135}{2} \times d = \int y^2 \Rightarrow \frac{135}{2} d = \frac{420 \times 10^4}{45.9 \times 10^2} \Rightarrow d_L = 94 \text{ mm}$$