



Nombre del Alumno: Antonio de Jesús López López

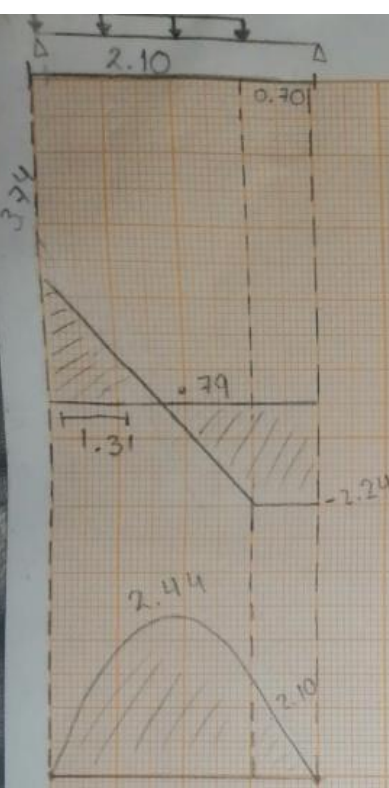
Nombre del Docente: Pedro Alberto García López

Nombre de la Materia: Resistencias De Materiales De Construcción

Nombre Del Trabajo: Diagramas

Nombre de la Carrera: Arquitectura

Cuatrimestre: 4°



$$R_A = \frac{qa(c+b)}{2(L)}$$

$$R_A = \frac{2.85 \cdot 2.10(2.80 + 0.70)}{2(2.80)} = 3.74 //$$

$$R_B = \frac{qa^2}{2(L)}$$

$$R_B = \frac{2.85 \cdot 2.10^2}{2(2.8m)} = 2.244 //$$

$$x = \frac{a(L+b)}{2(L)}$$

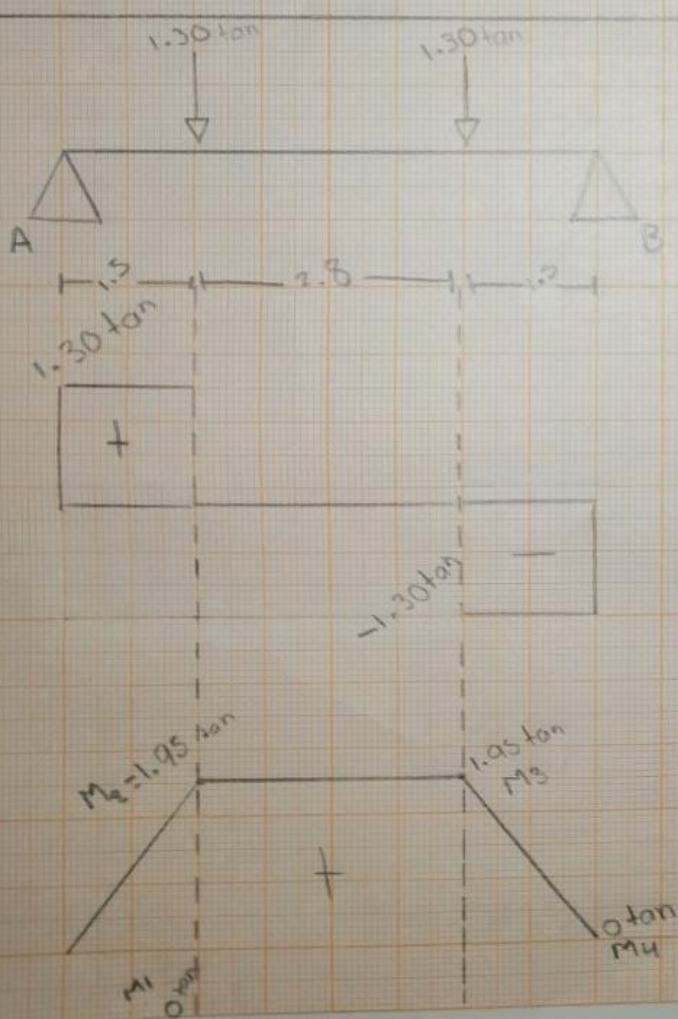
$$x = \frac{2.10(2.80 + 0.70)}{2(2.80)} = 1.31 //$$

$$M_1 = 0$$

$$M_2 = \frac{0 + (1.31 \times 3.74)}{2} = 2.44$$

$$M_3 = \frac{2.44 + (0.79 \times 2.24)}{2} = 2.10$$

$$M_4 = \frac{2.10 + (0.70 \times -2.24)}{2} = 0.26$$



$$R_A = R_B = F$$

$$R_A = R_B = 1.30$$

$$M = F \cdot a$$

$$M_1 = 0$$

$$M_2 = 0 + (1.5 \times 1.30) = 1.95$$

$$M_3 = 1.95 + (2.8 \times 0) = 1.95$$

$$M_4 = 1.95 + (1.5 \times -1.30) = 0$$