



Nombre de alumno:

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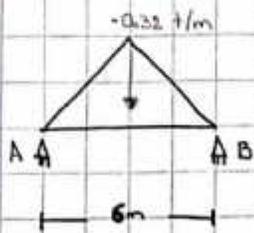
Nombre del profesor: Arq. Pedro Garcia

Nombre del trabajo: equilibrio de un cuerpo

Materia: estática para la arquitectura

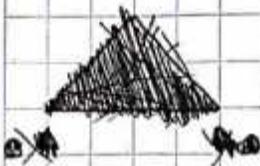
Grado: 3-^o Cuatrimestre

Grupo: "A"



$$P = \frac{-0.32(6\text{m})}{2}$$

$$up = -0.96$$



$$P = -0.96(3) + B(6) = 0$$

$$P = \frac{-2.88}{6} = 0$$

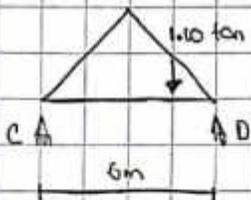
$$P = -0.48 = 0$$

$$B = \underline{0.48 \text{ tcn}}$$

$$A = (-0.96) + (0.48 \text{ tcn})$$

$$A = -0.48 = 0$$

$$A = \underline{0.48 \text{ tcn}}$$



$$P = \frac{-0.32(6\text{m})}{2}$$

$$up = \underline{-0.96}$$

$$up = -0.96(5) + 1.10(5) + B(6) = 0$$

$$up = -2.88 + 5.5 + D(6) = 0$$

$$up = 8.38 + D(6) = 0$$

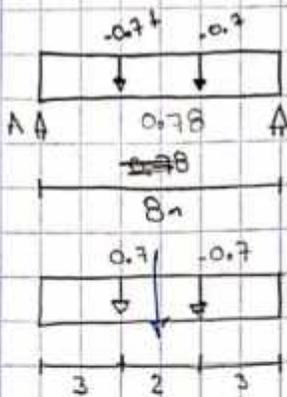
$$up = \underline{8.38} = \underline{1.3966 \text{ tcn}}$$

LOVE y. rself

$$C = -0.96 + 1.0 + 1.3966 = 0$$

$$C = -0.6634 = 0$$

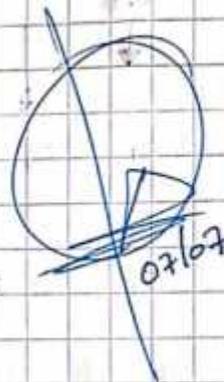
$$C = 0.6634 \text{ ✓}$$



$$P = \frac{-0.78(8\text{m})}{2}$$

$$P = -6.24 \text{ ton/}$$

$$UP = \frac{8}{2} = 4$$



$$-0.7(3) + -6.24(4) + -0.7(5) + 8 = 0$$

$$-2.1 + -24.96 + -3.5 + 8 = 0$$

$$-30.56 + 8 = 0$$

$$C = \frac{30.56}{8}$$

$$C = 3.82 \text{ ton/}$$

$$\sum F_x = 0$$

$$A - 0.7 + -6.24 \text{ ton} - 0.7 \text{ ton} + 0 + 3.82 \text{ ton} = 0$$

$$-3.82 = 0$$

$$A = 3.82 \text{ ✓}$$