



Mi Universidad



28/07/2025



ESTATICA

PARA LA

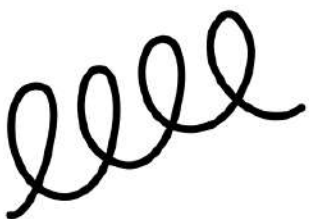
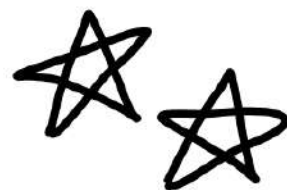
ARQUITECTURA

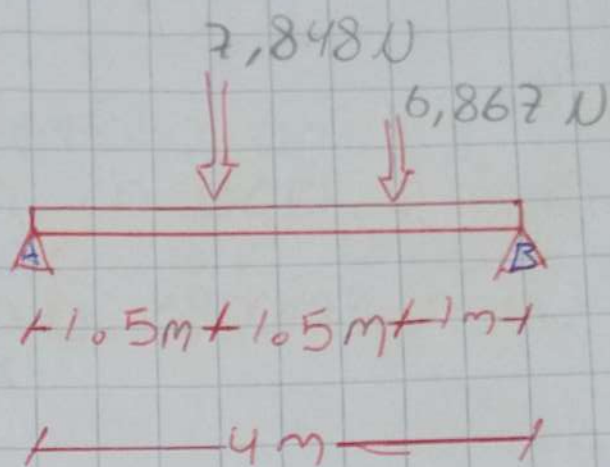
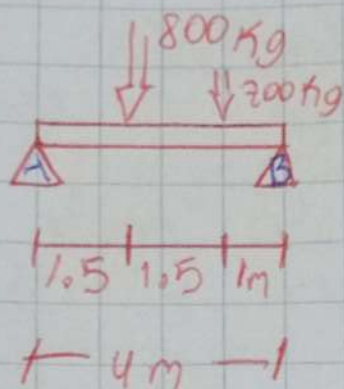
Nombre del alumno: Jimmy
Bernabé Vázquez Sánchez
ING.: Abel Estrada Dichi

U.C. Arquitectura
3° Cuatrimestre
Actividad: Plataforma

"vigas"

4 Parcial





$$\sum M_A = 0$$

$$-2,848 \text{ N}(1.5 \text{ m}) - 6,867(3 \text{ m}) + B_y(4 \text{ m}) = 0$$

$$-11,772 \text{ N}\cdot\text{m} - 20,601 \text{ N}\cdot\text{m} + B_y(4 \text{ m}) = 0$$

$$B_y(4 \text{ m}) = 20,601 \text{ N}\cdot\text{m} + 11,772 \text{ N}\cdot\text{m}$$

$$B_y(4 \text{ m}) = 32,373 \text{ N}\cdot\text{m}$$

$$B_y = \frac{32,373 \text{ N}\cdot\text{m}}{4 \text{ m}}$$

$$B_y = 8,093.25 \text{ N}$$

$$A_y + B_y - 14,715 \text{ N} = 0$$

$$A_y + B_y = 14,715 \text{ N}$$

$$A_y + 8,093.25 = 14,715 \text{ N}$$

$$A_y = 14,715 \text{ N} - 8,093.25 \text{ N}$$

$$A_y = 6,621.75$$