



MATERIA: RESISTENCIA DE MATERIALES

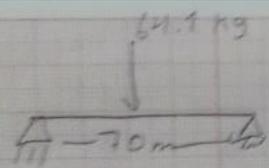
ACTIVIDAD: ESFUERZOS Y DEFORMACIONES

DOCENTE: ARQ. PEDRO ALBERTO GARCÍA
LÓPEZ

ALUMNO: GRISEYDA JOACHIN VELAZQUEZ

GRADO: 4° CUATRIMESTRE

GRUPO: A



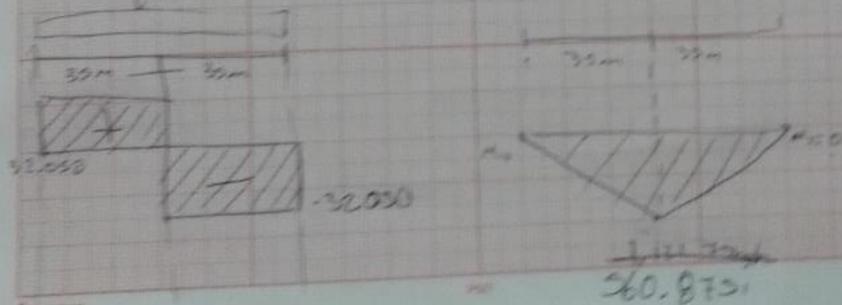
$$F = \frac{64.1 \text{ kg} (7,000 \text{ m}^3)}{98 (250,000 \text{ kg/cm}^2) 260,416.6667 \text{ cm}^4}$$

$$= 2.0356160$$

$$R_A = R_B = \frac{64.1 \text{ kg} (7,000 \text{ m}^3)}{16 (250,000 \text{ kg/cm}^2) 260,416.6667 \text{ cm}^4}$$

$$= 0.0301526$$

$$R_A = R_B = \frac{F}{2} = \frac{64.1 \text{ kg}}{2} = 32.05032$$



$$M_1 = 0$$

$$M_2 = \frac{64.1 (35 \text{ m})}{4} = 560.875 \text{ cm}^2$$

$$M_3 = 560.875 \left(\frac{64.1 (35 \text{ m})}{4} \right) = 0$$

$$M_3 = 0$$