ALUMNO(A): Carlos Antonio Ortega Ruiz

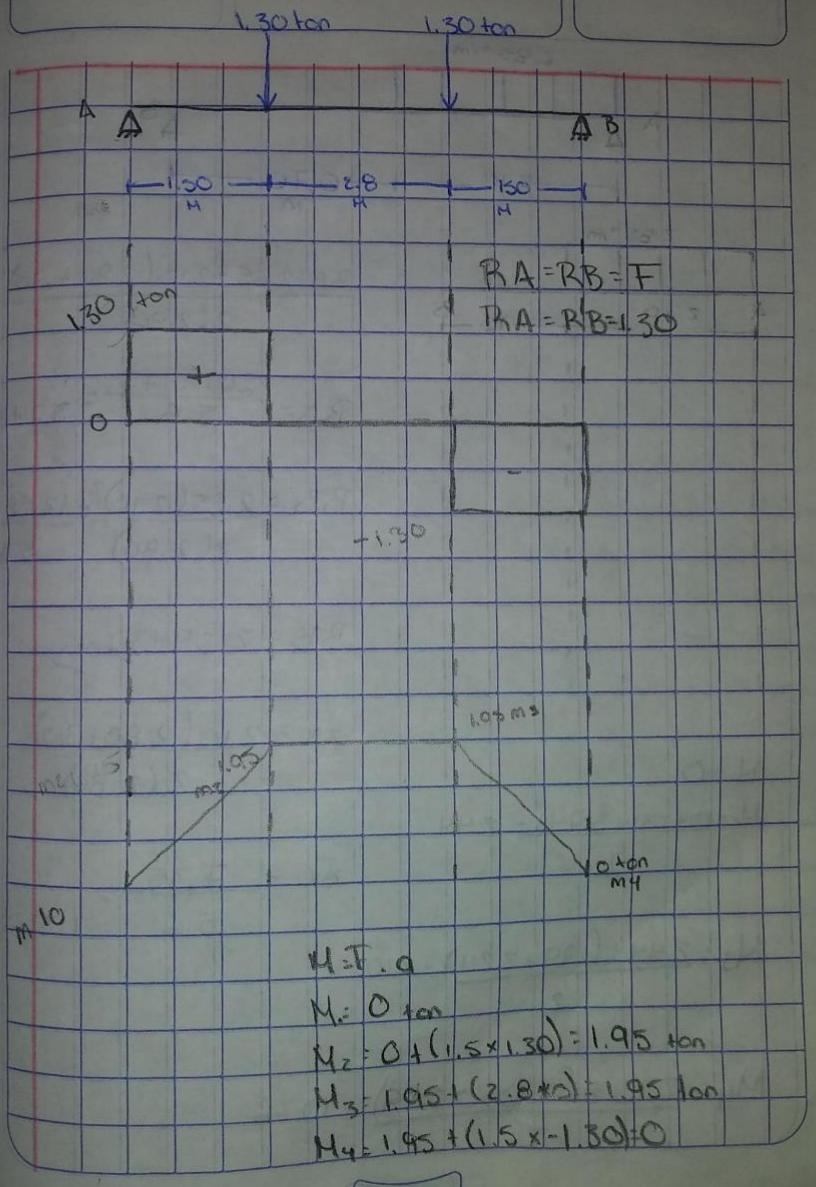
DOCENTE: Pedro Alberto García López

MATERIA: Resistencia de materiales

ACTIVIDAD: Ejercicios

CUATRIMESTRE: 4

GRUPO: Arquitectura



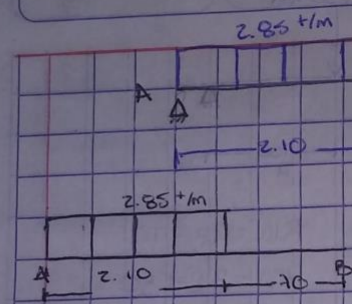
$M = F \cdot a$

$M_1 = 0$ ton

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

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

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



$$RA = \frac{2.85 \times 2.10 (2.80 + .70)}{2(2.80)}$$

$$RA = \frac{20.9475}{5.6} = 3.74 \text{ ton}$$

$$RB = \frac{2.85 (2.10)^2}{2(2.80)} = \frac{12.5685}{5.6}$$

$$RB = 2.2443 \text{ ton}$$

$$MM = \frac{2.10 (2.80 + .70)}{2(2.80)}$$

$$xM = \frac{7.35}{5.6} = 1.3125 \text{ M}$$

$M_1 = 0$

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

$M_3 = \frac{2.44 + (.79 \times 2.24)}{2} = 2.10$

$M_4 \frac{2.10 + (0.70 \times -2.24)}{2} = 026$