

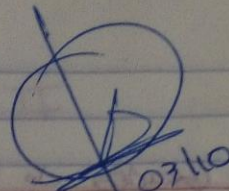


Liliana Vázquez Moreno

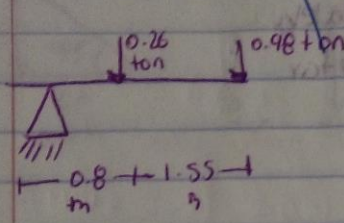
**Resistencia de materiales de
construcción**

Unidad 2

Arq. Pedro Alberto García López



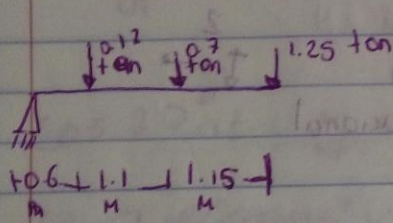
① $M_1 = (0.26 \text{ ton}) (0.8 \text{ m}) = -0.208 \text{ t}\cdot\text{m}$



$M_2 = (0.98 \text{ ton}) (2.35 \text{ m}) = -2.303 \text{ t}\cdot\text{m}$

$\Sigma M = -0.208 \text{ t}\cdot\text{m} + (-2.303 \text{ t}\cdot\text{m}) = -2.511 \text{ t}\cdot\text{m}$

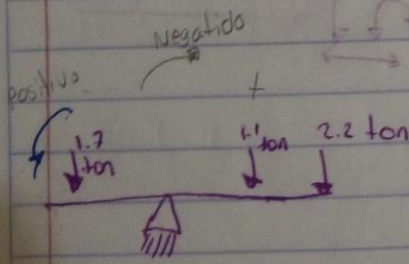
$M_1 = (0.17 \text{ ton}) (0.6 \text{ m}) = -0.102 \text{ t}\cdot\text{m}$



$M_2 = (0.7 \text{ ton}) (1.7 \text{ m}) = -1.19 \text{ t}\cdot\text{m}$

$M_3 = (1.25 \text{ ton}) (2.85 \text{ m}) = -3.562 \text{ t}\cdot\text{m}$

$\Sigma M = -0.102 \text{ t}\cdot\text{m} + (-1.19 \text{ t}\cdot\text{m}) + (-3.562 \text{ t}\cdot\text{m}) = -3.44 \text{ t}\cdot\text{m}$



$M_1 = (1.1 \text{ ton}) (0.5 \text{ m}) = -0.55 \text{ t}\cdot\text{m}$

$M_2 = (2.2 \text{ ton}) (1.6 \text{ m}) = -3.5 \text{ t}\cdot\text{m}$

$M_3 = (1.7 \text{ ton}) (3.2 \text{ m}) = 5.44 \text{ t}\cdot\text{m}$

$\Sigma M = -0.55 \text{ t}\cdot\text{m} + (-3.5 \text{ t}\cdot\text{m}) + 5.44 \text{ t}\cdot\text{m} = 7.365 \text{ t}\cdot\text{m}$

