Nombre del profesor:
Perla Barajas

Nombre del alumno:

Reynaldo Alberto Alfonzo Pérez

Materia:

Analisis de estructura

Carrera:

Arquitectura

Cuatrimestre:

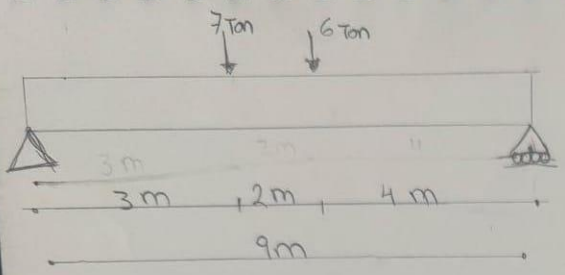
5°

Unidad:

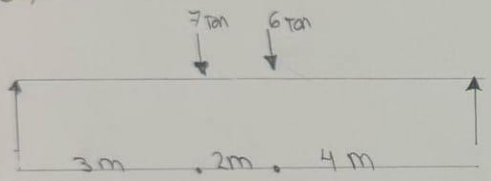
3°

Lugar:

Comitán de Domínguez,, Chi



$\Sigma Mo = 0$
$\Sigma Fx = 0$
$\Sigma Fy = 0$



$\Sigma Mo = 0$
$\Sigma Mo = 0$

$Cy = (9m) - 7\,Ton\,(2m) - 6\,Ton(4)$

$Cy = (9m) - 14 + 24 = 0$

$Cy = 10 \div 9$

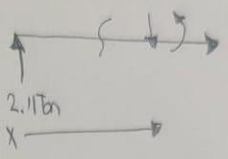
$Cy = 1,11$

$Ay - 7 - 6 + 1,11 = 0$

$Ay = -2.11$

$Ay = 2.11\,Ton$

Corte 1

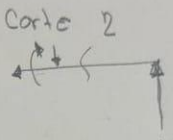


$M1 = 2.11\,Ton(x)$

$M1 = 2.11x$

$0 \leq x \leq 5$

Corte 2

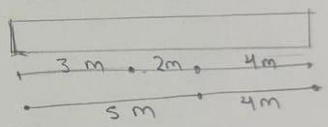


$M2 = 1,11\,to(x$

$M2 = 1,11x$

$0 \leq x \leq 4$

Sistema Virtual



$\Sigma Mo = 0$
$\Sigma Ma = 0$

$Cy(9) - 1(5) = 0$

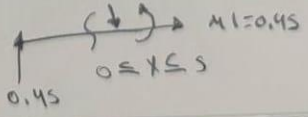
$Cy = (9) - 5 = 0$

$Cy = 5/9 \quad Cy = 0.55$

$Ay = -1 + 0.55$

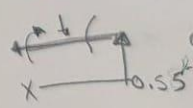
$Ay = 0.45$

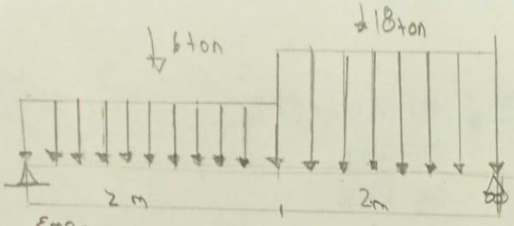
Corte 1



$M1 = 0.45$

Corte 2 $M2 = 0.55x$





$\Sigma Mo = 0$
$\Sigma Fx = 0$
$\Sigma Fy = 0$

$\Sigma F_x = 0$

$CY(4) - 6\,Ton(1) - 18\,ton(3)$

$CY(4) - 6\,ton/m - 54\,ton\,/m$

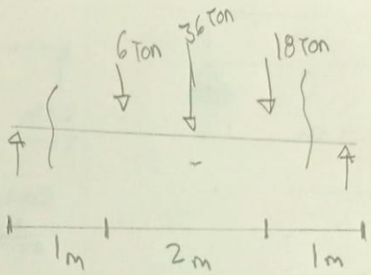
$CY(4)\ 60\ ton/m$

$CY = \frac{60}{4}\ ton/m$

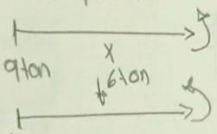
$CY = 15$

$AY = -6\,ton - 18\,ton + 15\,to$

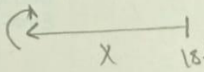
$AY = 9\,ton/m$



$M1 = 9\,ton\,x$



$M2 = 9\,ton\,x - 6\,ton\,(x-1)$



$M3\ 18\,ton\,x$

Sistema Virtual

$CY(4) - 1\,ton - 3\,ton$

$CY(4) = 4$