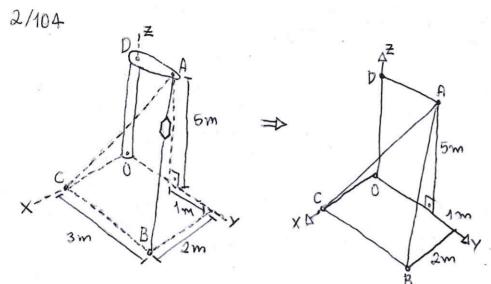


$$M_0 = F. \cos 10^{\circ}, L$$
  
 $M_0 = 140. \cos 10^{\circ}, 0,035$   
 $M_0 = 13,098 N$ 



$$AB = 2.4 \text{ kN}$$
  
 $A = (0, 2, 5)$   $B = (2, 3, 0)$   
 $\overline{AB} = (2-0, 3-2, 0-5) = (2, 1, -5)$   
 $\overline{AB} = 2 + 13 - 5 \hat{k}$   
 $\overline{AC} = (2-0, 0-2, 0-5) = (2-2, -5)$ 

$$T = T. NAB = T. \left( \frac{2\hat{i} + \hat{j} - 5\hat{k}}{\sqrt{2^2 + 1^2 + (-5)^2}} \right) = 24. \left( \frac{2\hat{i} + \hat{j} - 5\hat{k}}{5,477} \right) = 0.876\hat{i} + 0.438\hat{j} - 2.191\hat{k}$$

PARA ACHAR A PROJEÇÃO DE T NA LINHA AC:

$$PRO J_{AC}T = \frac{\langle T, \overline{AC} \rangle}{\langle \overline{AC}, \overline{AC} \rangle} = \frac{(0.846; 0.438; -2.191).(2, -2, -5)}{(2, -2, -5)} \cdot (2, -2, -5) = 0.3585.(2, -2, -5)$$

$$= 0.717 \cdot (-2.717) - 1.7925 \cdot (-2.717) = 0.717 \cdot (-2.717) - 1.7925 \cdot (-2.717) - 1.7925 \cdot (-2.717) = 0.717 \cdot (-2.717) - 1.7925 \cdot (-2$$

$$3/7$$
 $A = \frac{5m}{4} = \frac{1m}{4} = \frac{4m}{4}$ 
 $36.9.8$ 
 $352.8N$ 
 $539.N$ 
 $50.9.8$ 
 $490.N$ 
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 $60.$ 

$$\sum_{i} F_{x} = 0$$

$$\sum_{i} F_{y} = 0 \cdot 352.8 - 352.8 - 539 - 490 = 0$$

$$0 \cdot 4 \cdot 34.6 = 0 - 0 \cdot 0 \cdot 7 = 1734.6 \cdot N$$

$$\sum_{i} M_{0} = 352.8 \cdot (10) + 352.8 \cdot (5) + 539 \cdot (4) - M_{0} = 0$$

$$3528 + 1764 + 2156 - M_{0} = 0$$

$$7446 - M_{0} = 0$$