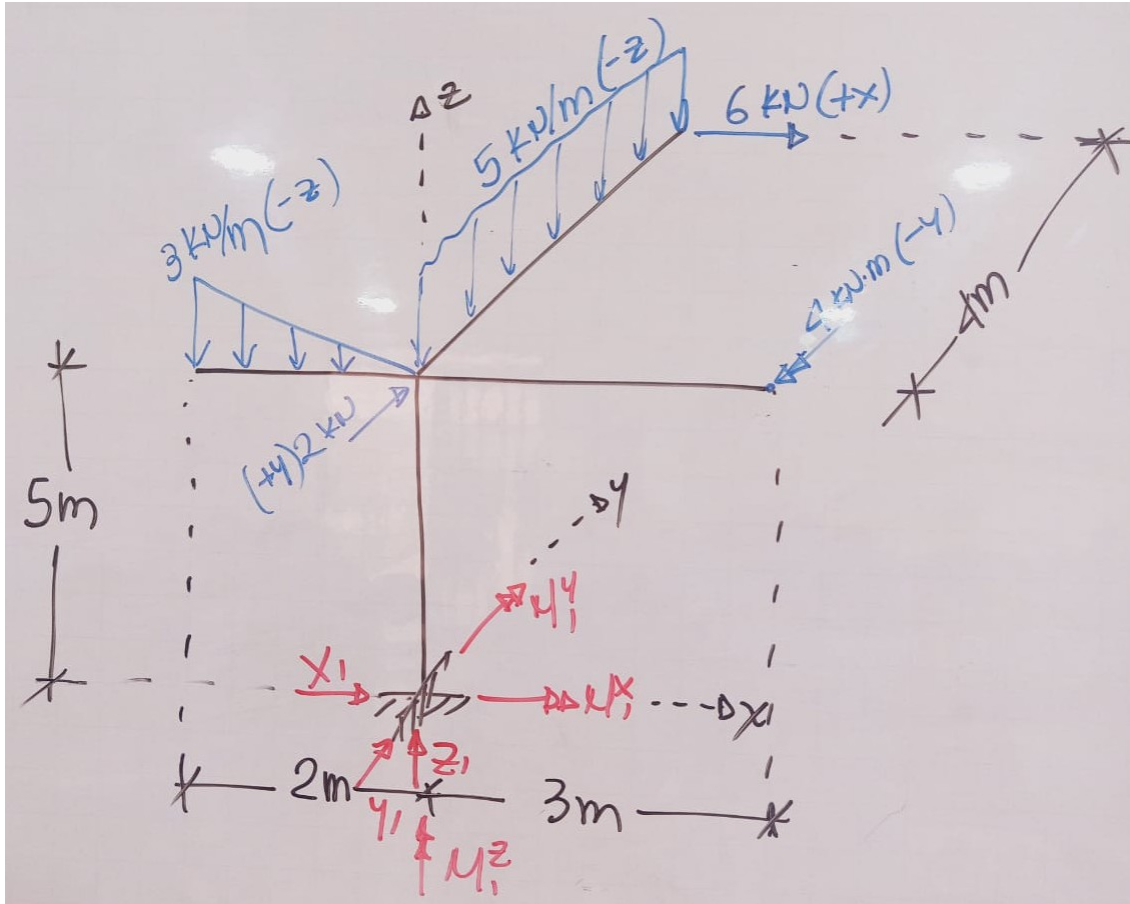




#1: [CaseMode := Sensitive, InputMode := Word]

Equilibrio por sumatoria de fuerzas y de momentos respecto al nudo de la base:

#2:

$$\left[\begin{array}{l} X_1 + 6 = 0 \\ Y_1 + 2 = 0 \\ Z_1 - \frac{3 \cdot 2}{2} - 5 \cdot 4 = 0 \\ M_{x1} - 2 \cdot 5 - 5 \cdot 4 \cdot 2 = 0 \\ M_{y1} - 4 + 6 \cdot 5 - \frac{3 \cdot 2}{2} \cdot \frac{2}{3} \cdot 2 = 0 \\ M_{z1} - 6 \cdot 4 = 0 \end{array} \right]$$

#3:

$$\begin{bmatrix} X1 + 6 = 0 \\ Y1 + 2 = 0 \\ Z1 - 3 - 5 \cdot 4 = 0 \\ Mx1 - 10 - 40 = 0 \\ My1 - 4 + 30 - 4 = 0 \\ Mz1 - 6 \cdot 4 = 0 \end{bmatrix}$$

#4:

$$[Mx1 = 50 \wedge My1 = -22 \wedge Mz1 = 24 \wedge X1 = -6 \wedge Y1 = -2 \wedge Z1 = 23]$$