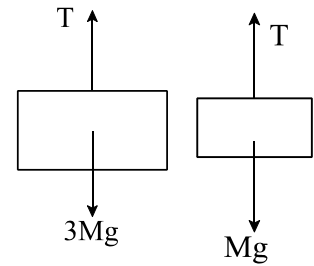


Problema I-2

$$1) \left. \begin{aligned} 3Mg - T &= 3Ma \\ T - Mg &= Ma \end{aligned} \right\} a = \frac{g}{2}; \quad \vec{a}_1 = -\frac{g}{2} \vec{j}; \quad \vec{a}_2 = \frac{g}{2} \vec{j};$$

$$T = \frac{3Mg}{2}$$

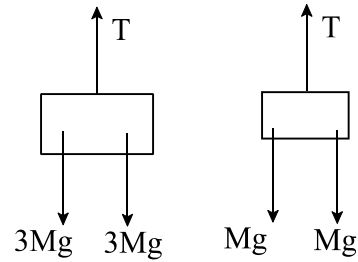


2) Igual que 1.

3) Desde el ascensor: $a' = \vec{a}' + \vec{a}'_0$

$$\left. \begin{aligned} 6Mg - T &= 3Ma' \\ T - 2Mg &= Ma' \end{aligned} \right\} a' = g; \quad \vec{a}_1 = 0; \quad \vec{a}_2 = 2g \vec{j};$$

$$T = 3Mg$$



4)

$$\left. \begin{aligned} 0 - T &= 3Ma' \\ T - 0 &= Ma' \end{aligned} \right\} a' = 0; \quad \vec{a}_1 = -g \vec{j}; \quad \vec{a}_2 = -g \vec{j};$$

$$T = 0$$

