

$$W = mg = (7)(9.81) = 68.67$$

$$W = mg = (2.5)(9.81) = 24.53 \text{ N}$$

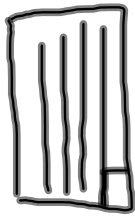
$$\sum F's = ma = 0$$

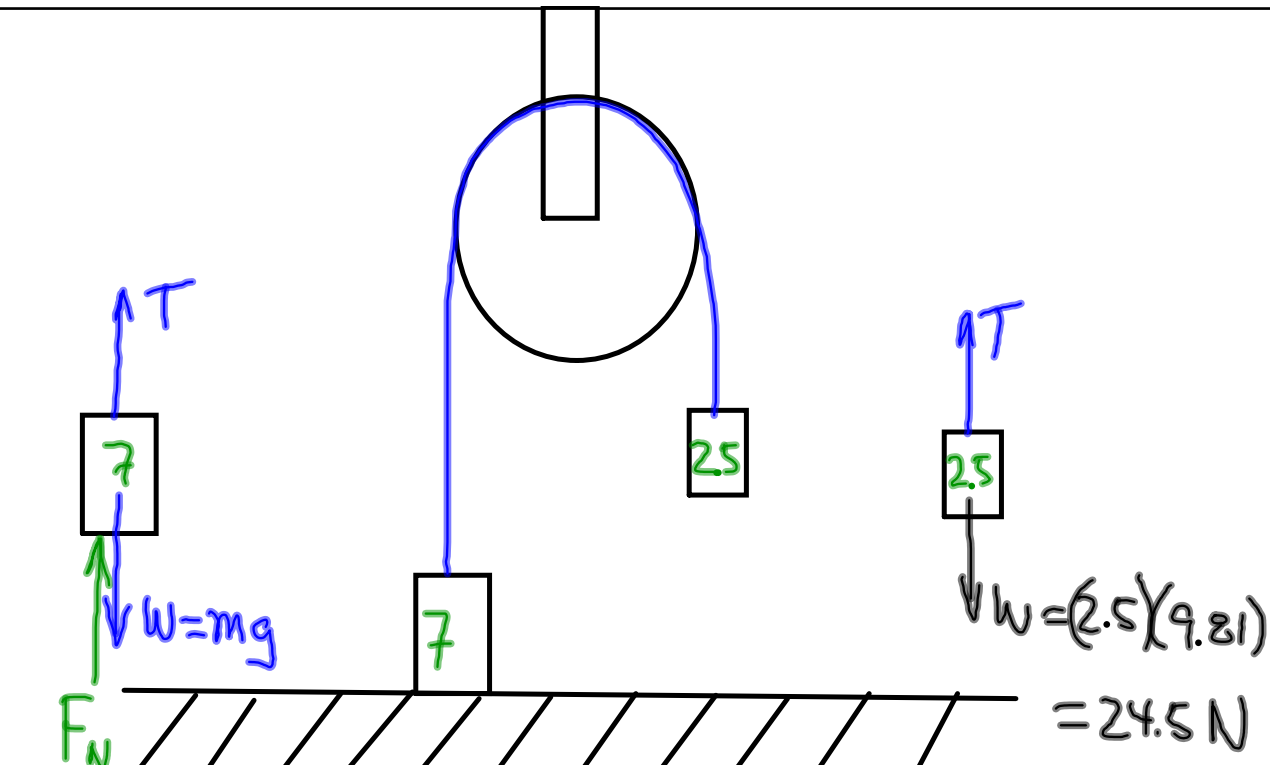
$$T - 24.53 \text{ N} = 0$$

$$\sum F's = ma = 0$$

$$+F_N + T - W = 0$$

$$F_N = W - T = 68.67 - 24.53 = 44.14 \text{ N}$$





$$W = (7 \text{ kg}) \times (9.81 \text{ m/s}^2) = 68.7 \text{ N}$$

$$\sum F's = ma = 0$$

$$F_N - W + T = 0$$

$$F_N = W - T$$

$$F_N = 68.7 - 24.5 = 44.145 \text{ N}$$

$$W = (2.5) \times (9.81) = 24.5 \text{ N}$$

$$\sum F's = ma$$

$$T - W = 0$$

$$T = 24.5 \text{ N}$$