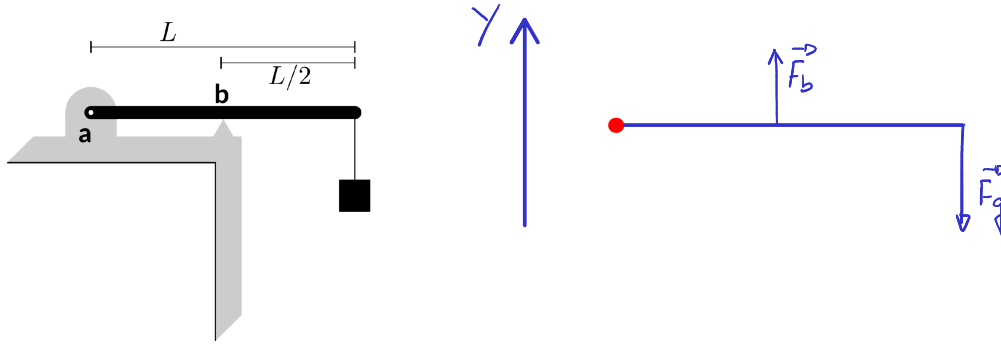


Palanka

Irudian, barra "a" ardatzaren inguruan biratu daiteke, torkea edo indarraren momentua "b" puntuan kalkulatu, baita indarraren balioa ere. Esekitako masa 1 kg da eta L metro bat da.



Datuak

$$m = 1 \text{ kg}$$

$$L = 1 \text{ m}$$

$$\tau_b ?$$

$$F_b ?$$

$$F = -mg$$

Ekuazioak

$$\sum_i \tau_i = 0$$

$$\tau = r F \sin \alpha$$

Ebazpena

$$\tau_g + \tau_b = 0 \quad \tau_b = -\tau_g$$

$$\tau_g = L mg (-1)$$

$$\tau_b = L mg = 9.8 \text{ Nm} //$$

$$\tau_b = \frac{L}{2} F_b$$

$$F_b = \frac{2}{L} \tau_b = 2 mg = 19.6 \text{ N} //$$

