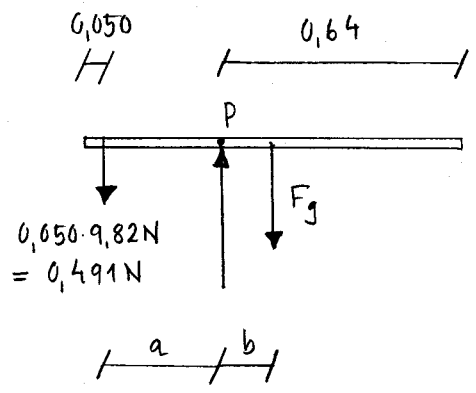


4.33



$$a = (1,08 - 0,64) \text{ m} - 0,050 \text{ m} = 0,31 \text{ m}$$
$$b = (0,64 - 0,50) \text{ m} = 0,14 \text{ m}$$

Momentpunkt P

$$\vec{M} = F_g \cdot 0,14 \text{ m}$$

$$\vec{M} = 0,491 \text{ N} \cdot 0,31 \text{ m}$$

Momentjämvikt ger ( $\vec{M} = \vec{M}$ )

$$F_g \cdot 0,14 \text{ m} = 0,491 \text{ N} \cdot 0,31 \text{ m} \Rightarrow F_g = \frac{0,491 \cdot 0,31}{0,14} \text{ N} = 1,087 \text{ N}$$

Linjarens massa

$$m = \frac{F_g}{g} = \frac{1,087}{9,82} \text{ kg} = 0,111 \text{ kg}$$

Svar: 0,11 kg