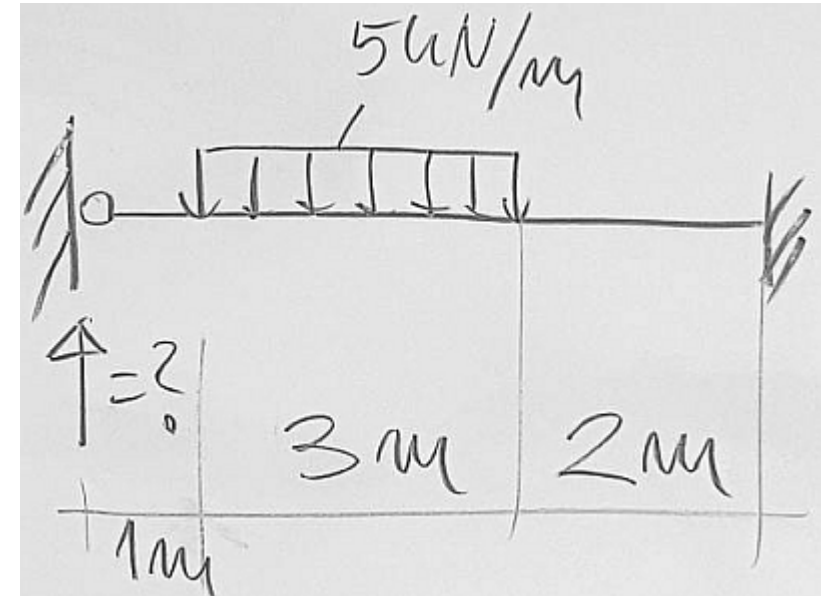
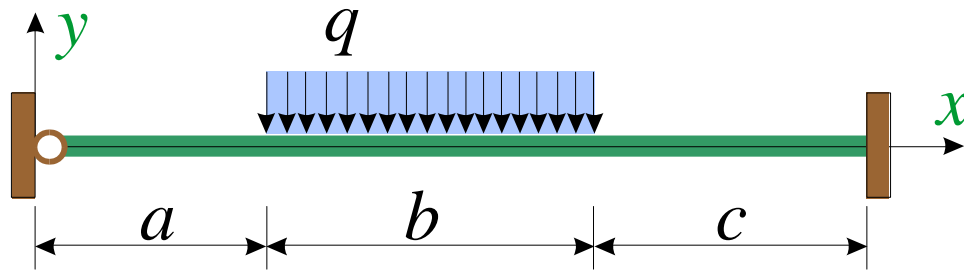


Grupa B

$$q := 5 \frac{\text{kN}}{\text{m}} \quad a := 1\text{m} \quad b := 3\text{m} \quad c := 2\text{m} \quad L := a + b + c$$

$$\xi_1 := \frac{a}{L} = 0.166667 \quad \xi_2 := \frac{a+b}{L} = 0.666667$$



Równanie pracy wirtualnej

$$R_i \cdot 1 - q \cdot L \cdot \int_{\xi_1}^{\xi_2} K_{1000}(\xi) d\xi = 0$$

$$R_i := q \cdot L \cdot \int_{\xi_1}^{\xi_2} K_{1000}(\xi) d\xi$$

$$R := R_i = 6.36 \cdot \text{kN}$$

$$K_{1000}(\xi) := \frac{1}{2}\xi^3 - \frac{3}{2}\xi + 1$$

K1000 (ξ)

