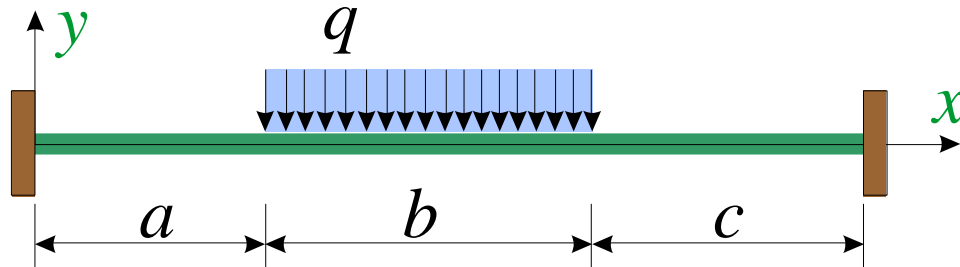
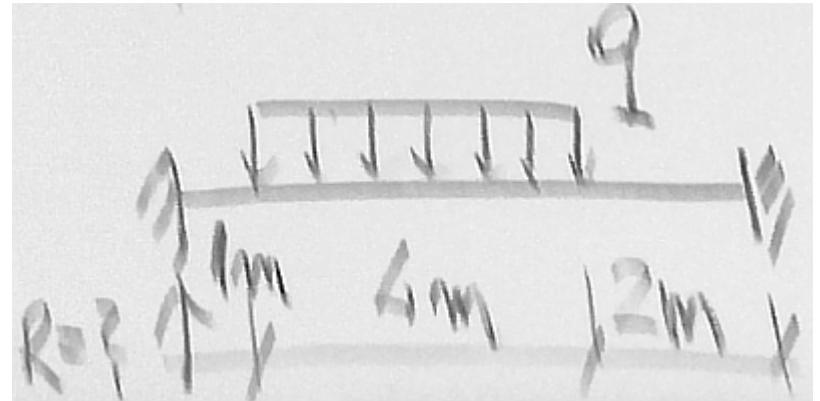


## Grupa 2A, zad 2

$$q := 4 \frac{\text{kN}}{\text{m}} \quad a := 1\text{m} \quad b := 4\text{m} \quad c := 2\text{m} \quad L := a + b + c$$

$$\xi_1 := \frac{a}{L} = 0.142857 \quad \xi_2 := \frac{a+b}{L} = 0.714286$$



$$H1000(\xi) := 1 - 3 \cdot \xi^2 + 2 \cdot \xi^3$$

## Równanie pracy wirtualnej

$$R_i \cdot 1 - q \cdot L \cdot \int_{\xi_1}^{\xi_2} H1000(\xi) d\xi = 0$$

$$R_i := q \cdot L \cdot \int_{\xi_1}^{\xi_2} H1000(\xi) d\xi$$

$$R := R_i = 9.5160 \cdot \text{kN}$$

H1000(ξ)

