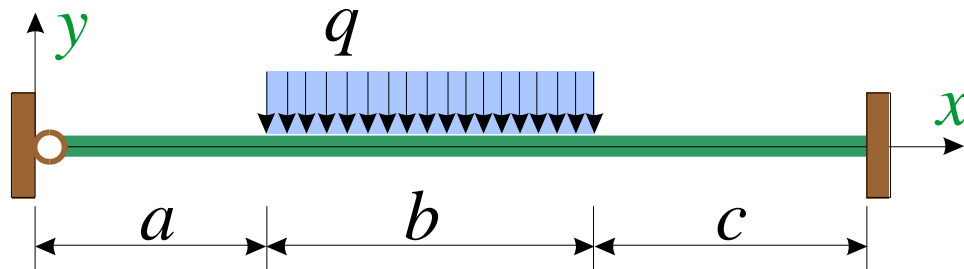
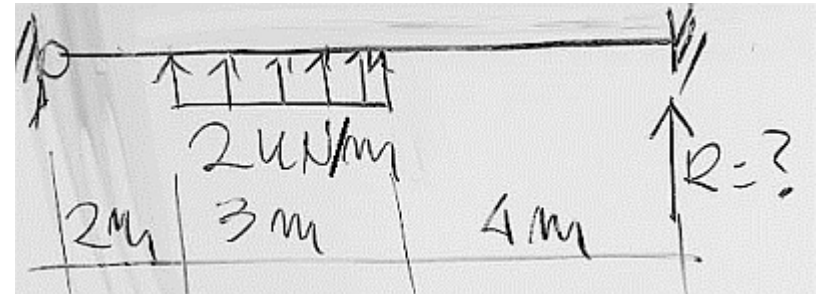


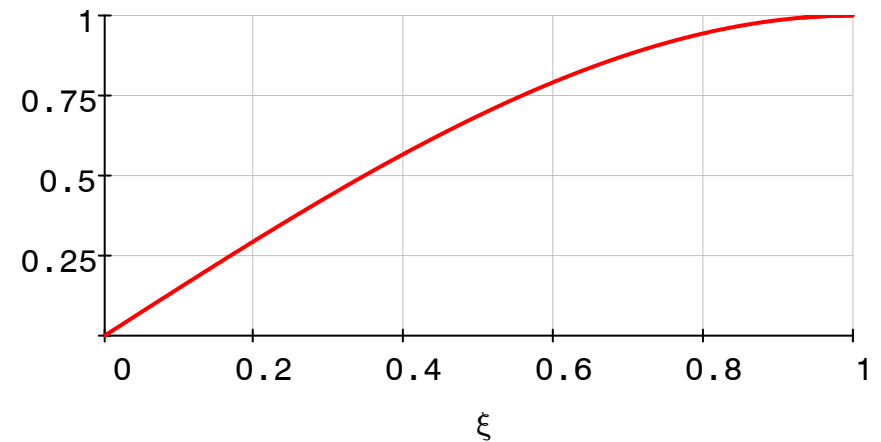
## Grupa 2B

$$q := 2 \frac{\text{kN}}{\text{m}} \quad a := 2\text{m} \quad b := 3\text{m} \quad c := 4\text{m} \quad L := a + b + c$$

$$\xi_1 := \frac{a}{L} = 0.222222 \quad \xi_2 := \frac{a+b}{L} = 0.555556$$



$$K0010(\xi) := \frac{\xi}{2} \cdot (3 - \xi^2)$$



## Równanie pracy wirtualnej

$$R_j \cdot 1 + q \cdot L \cdot \int_{\xi_1}^{\xi_2} K0010(\xi) d\xi = 0$$

$$R_j := -q \cdot L \cdot \int_{\xi_1}^{\xi_2} K0010(\xi) d\xi \quad R_j = -3.291 \text{ kN}$$