



$$E_{kin} = E_{pot}$$

$$E_{pot} = m \cdot g \cdot \Delta h = 73 \cdot 9.81 \cdot 1.61 = 1152.97 \text{ N/m}$$

$$E_{kin, A} = 1152.97 \text{ N/m}$$

$$E_{kin} = \frac{1}{2} \cdot I \cdot \omega^2$$

$$I = \frac{1}{3} \cdot 73 \cdot 1.61^2 = 63.07 \text{ kg} \cdot \text{m}^2$$

$$\omega = 6.05 \text{ rad/s}$$

$$v = \omega \cdot r$$

$$v = 9.73 \text{ m/s} \quad (\text{hoog?})$$

$$E_{kin, B} = \dots$$