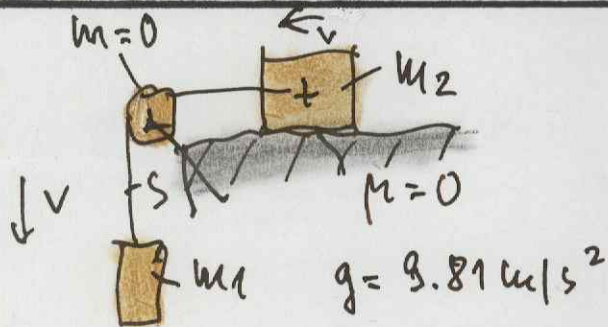
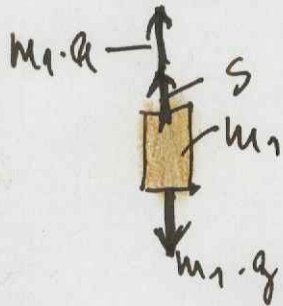
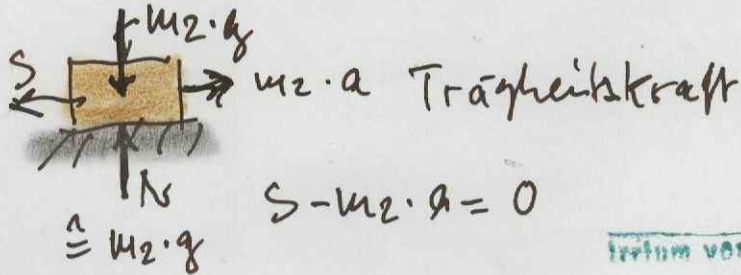




$$m_1 = 0.01 \text{ kg}, m_2 = 0.2 \text{ kg}, \mu = 0$$



$$S + m_1 \cdot a - m_1 \cdot g = 0 \quad S = m_1 \cdot g - m_1 \cdot a$$



$$S - m_2 \cdot g = 0$$

irrtum vorbehalten

$$m_1 \cdot g - m_1 \cdot a = m_2 \cdot a$$

$$a = g \frac{m_1}{m_1 + m_2} = 9.81 \frac{0.01}{0.21} \frac{\text{m}}{\text{s}^2} \frac{\text{kg}}{\text{kg}}$$

$$a = 0.47 \text{ m/s}^2$$

10.05.2022