

$$E_c = \frac{1}{2}mv^2$$

$$E_{cf} = \frac{1}{2}(m_1 + m_2)v^2$$

$$E_{cf} = \frac{1}{2}(0,51424 + 0,50962) \cdot 0,79^2$$

$$E_{cf} = 0,31487 \text{ J}$$