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We use conservation of momentum law.

$P_{\text{initial}} = 0$ since the system is stationary

$$P_{\text{final}} = p_1 + p_2$$

$$p_{\text{final}} = m_1 \cdot v_1 + m_2 \cdot v_2$$

$$p_{\text{final}} = 4\text{kg} \cdot v_1 + 10\text{kg} \cdot 5\text{m/s}$$

$$P_i = P_f$$

$$0 = 4\text{kg} \cdot v_1 + 50\text{kg} \cdot \text{m/s}$$

$$v_1 = 12,5\text{m/s}$$