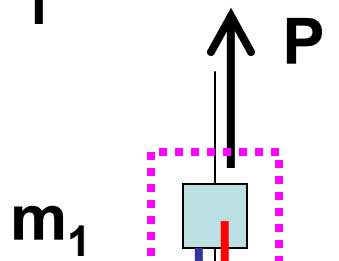


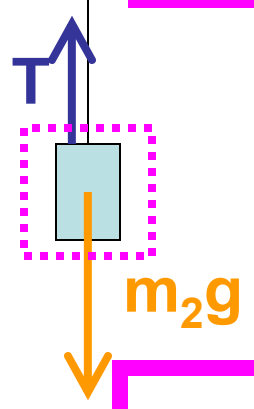
$$F_{\text{sys/box}} = M_{\text{sys/box}} a_{\text{sys/box}}$$

↑ +

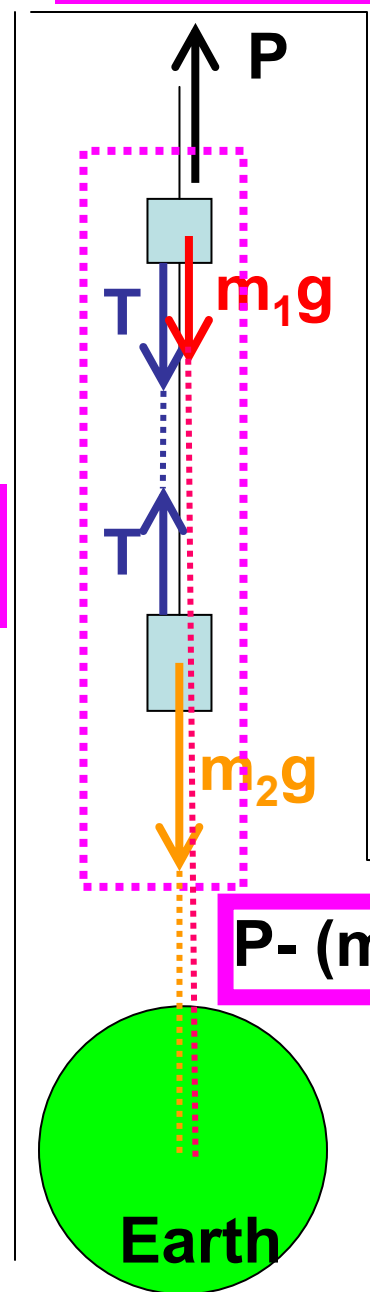


$$+P - T - m_1g = m_1a$$

m₂



$$+T - m_2g = m_2a$$



$$P - (m_1 + m_2)g = (m_1 + m_2)a$$

- identify system/box
- identify forces originating outside
- sum forces with signs
- identify mass inside

