2.

$$b_1 = -m_1 x_1 + x_2$$

$$b_2 = -m_2 x_1 + x_2$$

$$b_1 = -m_1 x_1 + x_2$$

$$b_1 + m_1 x_1 = x_2$$

$$b_2 = -m_2 x_1 + x_2$$

$$b_2 = -m_2 x_1 + b_1 + m_1 x_1$$

$$-b_1 + b_2 = -m_2 x_1 + m_1 x_1$$

$$-b_1 + b_2 = x_1 (m_1 - m_2)$$

$$\frac{-b_1 + b_2}{m_1 - m_2} = x_1 \quad \text{se } m_1 - m_2 \neq 0$$

$$m_1 - m_2 \neq 0$$

$$m_1 \neq m_2$$