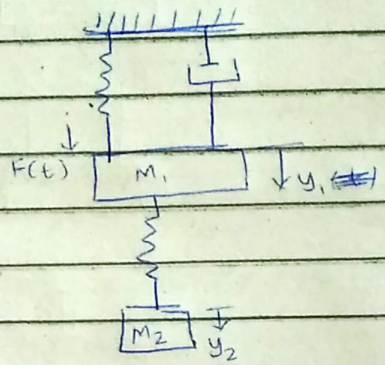
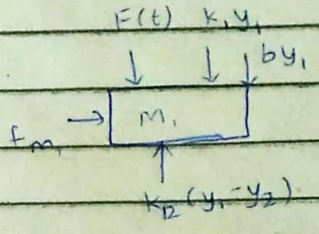
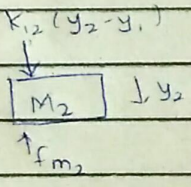




$$f_{m_1} = M_1 \frac{d^2 y_1}{dt^2}$$

$$F(t) = M_1 \frac{d^2 y_1}{dt^2} + b \frac{dy_1}{dt} + K_1 y_1 + K_2 (y_1 - y_2)$$



$$f_{m_2} = M_2 \frac{d^2 y_2}{dt^2} + K_{12} (y_2 - y_1)$$

$$0 = M_2 \frac{d^2 y_2}{dt^2} + K_{12} (y_2 - y_1)$$