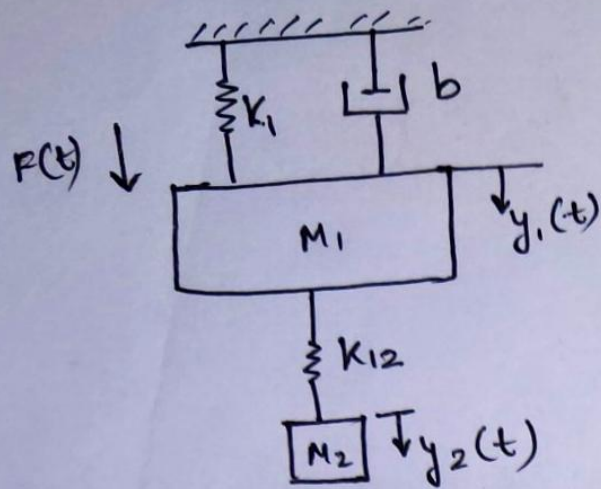① Equations:

$$F(t) = M_1 \ddot{y}_1 + b\dot{y}_1 + k_1 y_1 + k_{12}(y_1 - y_2).$$

$$0 = M_2 \ddot{y}_2 + k_{12}(y_2 - y_1).$$

Considered value, $M_1 = 100$

$M_2 = 20$

$K_1 = 50$

$K_{12} = 8$

$b = 50$