



M, dy, = +, (42-41) + bd (4x-42)

=)  $M_1 \frac{d^2y}{dt^2} + k_1(4_1-4_2) + b\frac{d}{dt}(4_1-4_2) = 0$ 

For 
$$M_2$$
  $M_2 \frac{d^2y_2}{dt}$ 
 $f(t) \rightarrow f(y_2-y_1)$ 
 $k_2y_2$ 

F(+) - K, (92-41) - D(92-41) - K292 = Mdyl

 $M_2d_{\frac{1}{2}}^2 = F(t)$   $dt^2$   $dt^2$   $dt^2$   $dt^2$ 

We can Model the system using eq 0 and 90