

$$Malh_2(2): (L_2D + R_2)i_2 - R_2i_3 = 0$$
 (II)

Malha 3:
$$(R_2 + \bot)i_3 - \bot i_1 - R_2 i_2 = 0$$
 (III)

$$\Rightarrow$$
 Eq (II): $m_{\lambda}\ddot{x}_{\lambda} + b_{\lambda}\dot{x}_{\lambda} = b_{\lambda}\dot{x}_{3}$

$$\Rightarrow E_{4}(III): b_{2}\dot{x}_{3} + k_{2}x_{3} = b_{2}\dot{x}_{2} + k_{2}x_{1}$$