



$$\frac{d}{dt}(F_{A}(t)) = \overline{V}_{A}(t) = \frac{d}{d\theta}(F_{A}(t)) \cdot \frac{d\theta_{1}}{dt}$$

$$\overline{\Gamma_{A}} + \overline{\Gamma_{D/A}} = \overline{\Gamma_{3}}$$

$$L_{1}\cos\theta_{1} + L_{1}\sin\theta_{1} + L_{2}\cos\theta_{2} + L_{2}\sin\theta_{2} = D + H$$

 $x \rightarrow L_1 \cos \theta_1 + L_2 \cos \theta_2 = D \rightarrow given \theta_1 \rightarrow \cos \theta_1 = \frac{D - L_2 \cos \theta_2}{L}$ Y-> L, sine, + La sine = H  $V_{\chi}$  >  $L_1\dot{\theta}_1$  sine,  $+L_2\dot{\theta}_2\sin\theta_2=0$   $\Rightarrow \frac{\dot{\theta}_1}{\dot{\theta}_2}=\frac{L_2\sin\theta_2}{L_1\sin\theta_1}$ Vy > L, 0, cose, + L20, cose= VB



$$V_{x} \rightarrow 0.25.10 \left( \frac{0.15}{0.25} \right) + \left( \frac{0}{2} \left( \frac{6.86^{-0.15}}{1} \right) - \left( \frac{6}{3} \left( \frac{0.26}{1} \right) \right) \right)$$

$$V_{y} \rightarrow 6.25.10 \left( \frac{-0.2}{0.25} \right) + \left( \frac{6}{3} \left( \frac{0.49+0.2}{1} \right) - \left( \frac{6}{3} \left( \frac{0.49-1}{1} \right) \right) \right)$$

$$\left[ \frac{10 \cdot (0.15)}{10 \cdot (-0.2)} \right] = \left[ \frac{(0.86-0.15)}{(0.49+0.2)} \quad 0.86 \right] \left[ \frac{6}{3} \right]$$

$$\left[ \frac{6}{3} \left( \frac{0.49-1}{1} \right) - \frac{6}{3} \left( \frac{0.49-1}{1} \right) \right]$$