

Ppd 
$$\int su \, \overline{u} \, ds = -T + mg \cos \theta$$
 (a)  $\int su \, \overline{u} \, ds = -mg \sin \theta$  (b)

$$m \frac{\partial (A \dot{\theta}(A))}{\partial A} = -mg \sin \theta (A \cdot \dot{\theta}(A))$$

$$\frac{d}{dA} \left( \frac{1}{2} \dot{\theta} \dot{\theta} \dot{\theta} \dot{\theta} \dot{\theta} \right) = -d \left( -g \cos \theta (A) \right)$$

$$= \sum_{i=0}^{\infty} \left[ \frac{1}{2} \frac{\partial^{2} \partial^{2}}{\partial t} \right]_{t=0}^{t} = \left[ \frac{\partial^{2} \partial^{2}}{\partial t} \right]_{t=0}^{t} = \left[$$

$$=) \cdot (\theta^2 = 2g \cos \theta - 2g + \frac{v_0^2}{e})$$

$$-2mg\cos\theta + 2mg - m\frac{V^2}{e} = -T + mg\cos\theta$$

$$= T = 3 \text{mgcos} \theta - 2 \text{mg} + \text{m} \frac{V^2}{\theta}$$

La corde seea toujours tendersitest > 0 quand 0=T.

$$T(\theta=\pi)>0 \Rightarrow -3\text{ ong}-2\text{ ong}+\text{m}\frac{v\delta^2}{e}>0$$