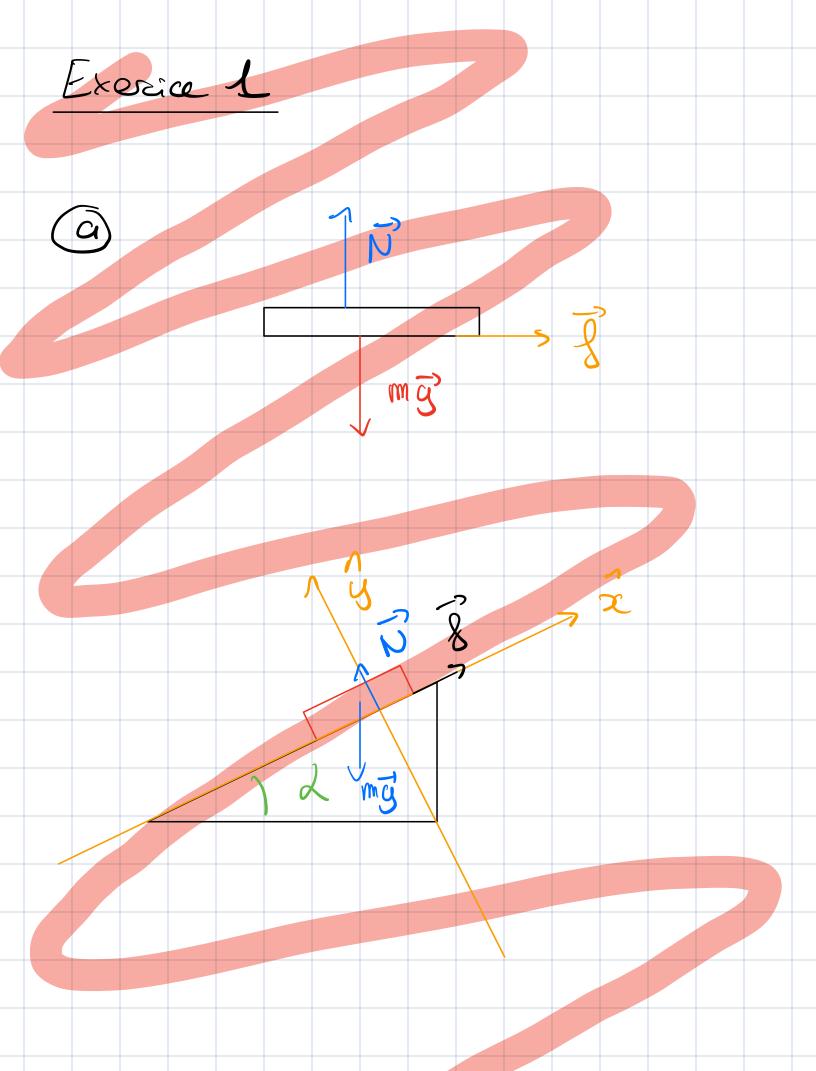
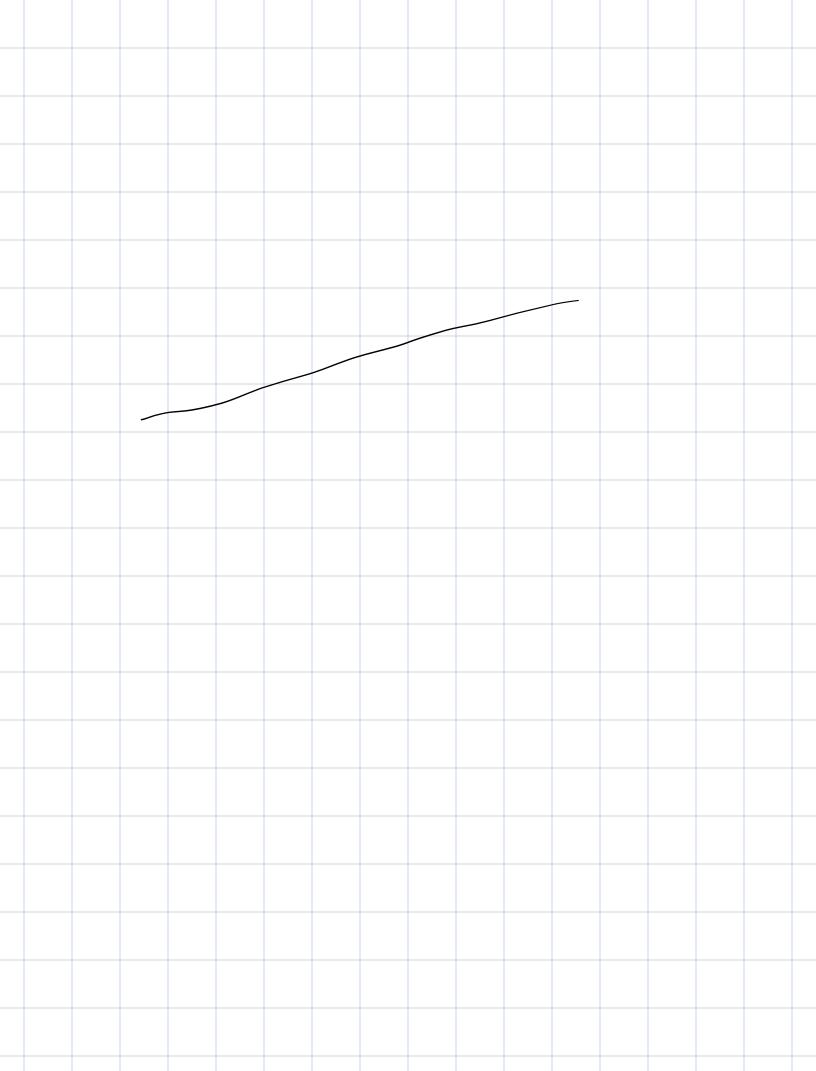
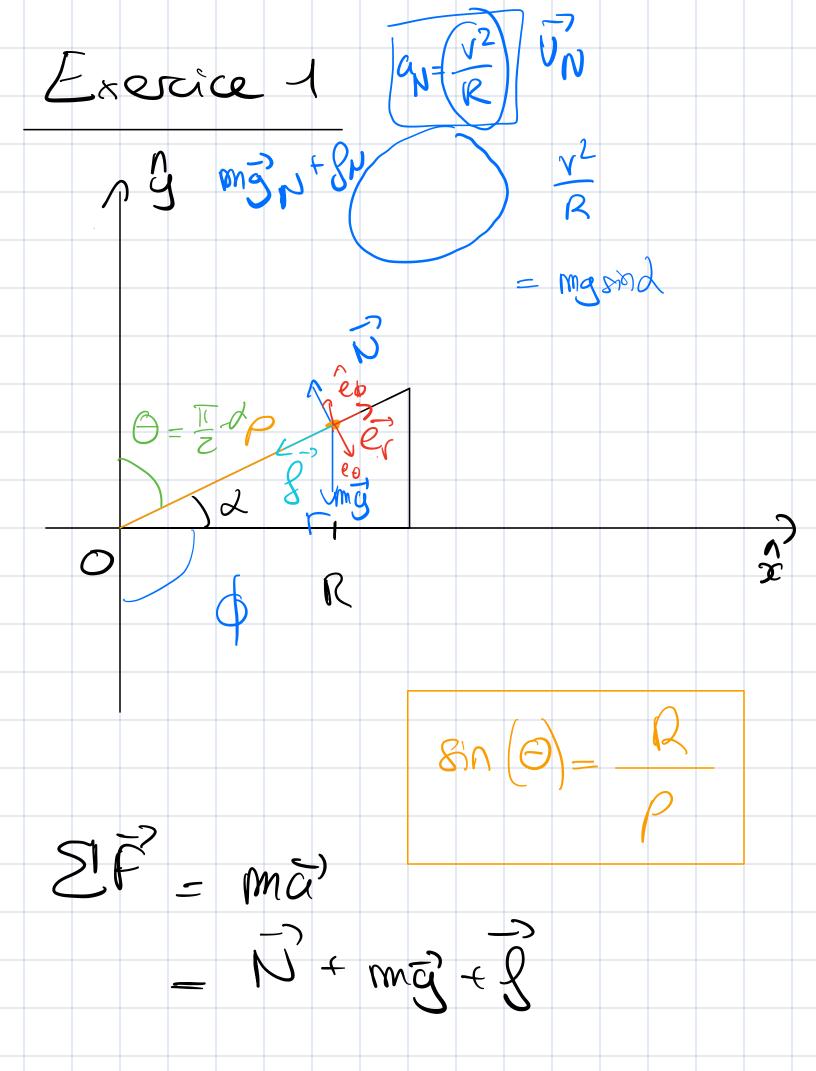
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(C	)	<u></u>		( fc	rce	na	Mo	ر ( و )							



On projette:

 $J = mg \cos 2$   $J = mg \sin 2$ 

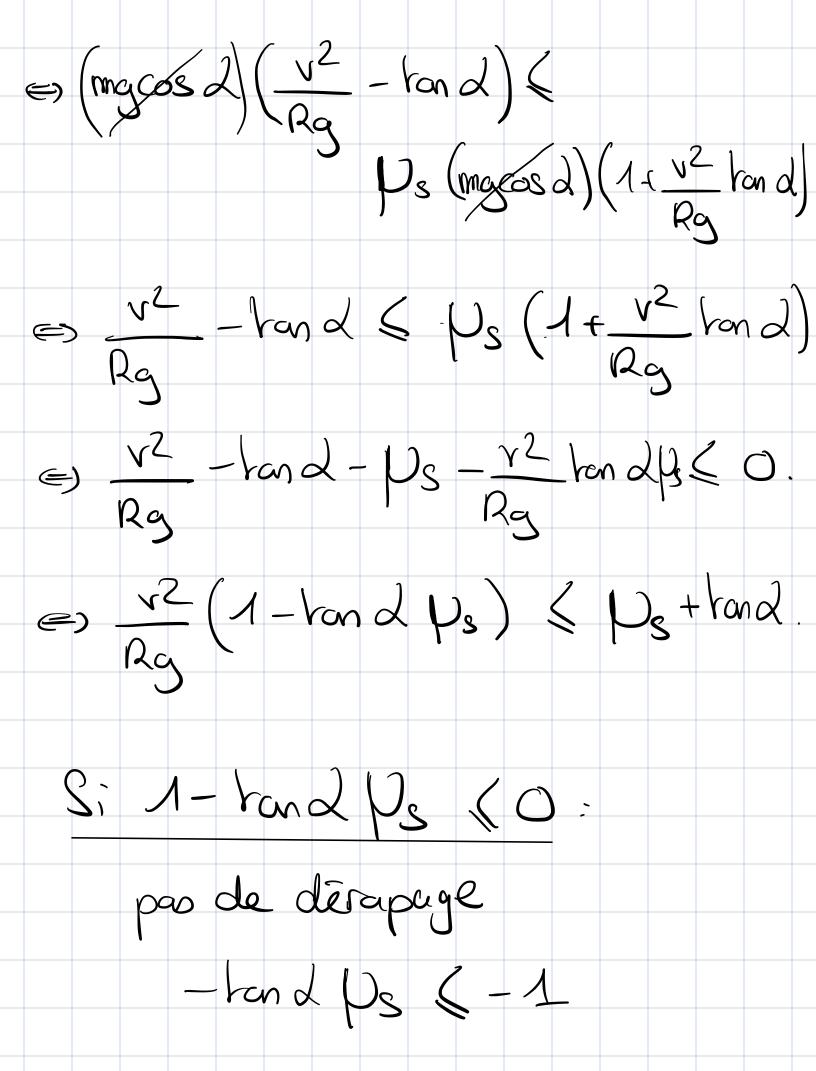




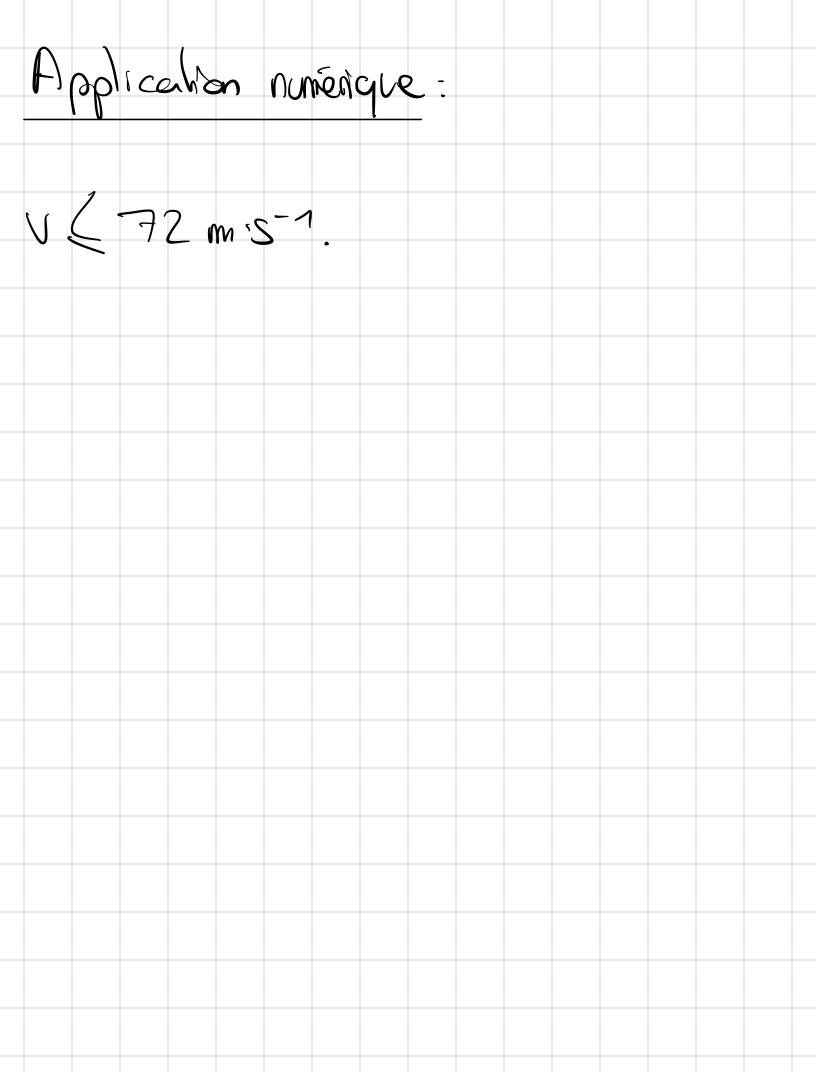
$$\Theta) = (2) = (0)$$

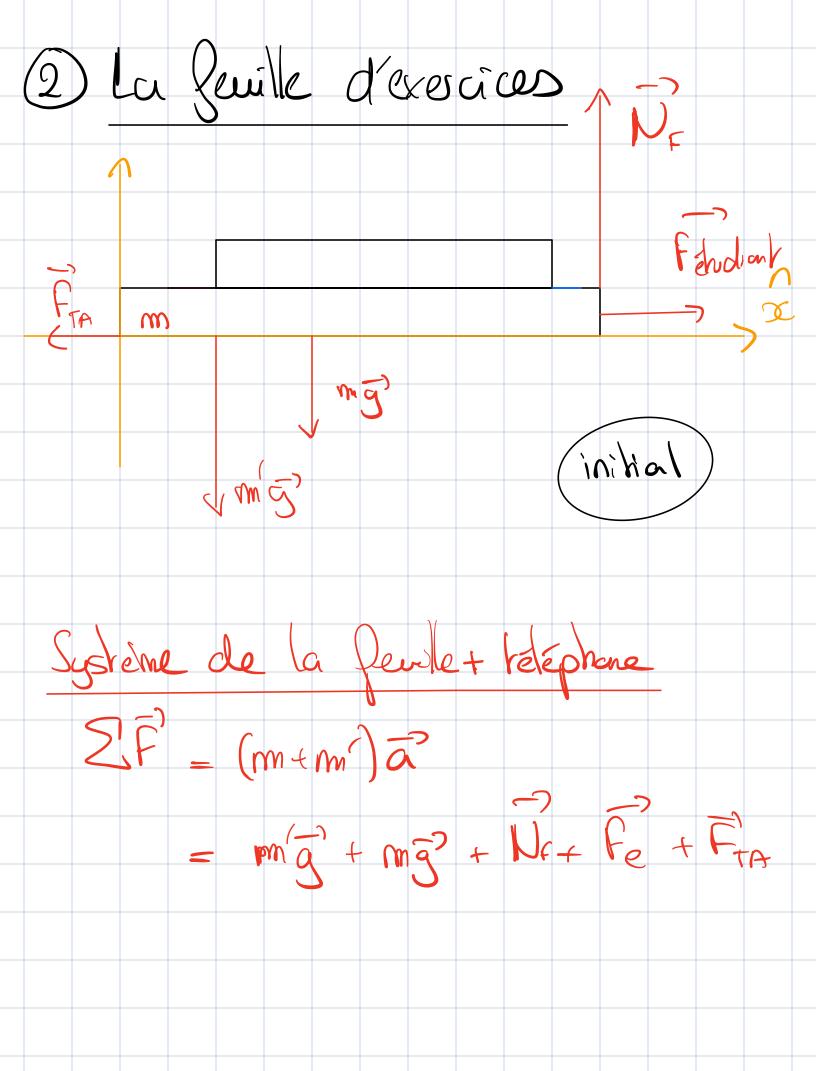
$$\int_{-m}^{m} \frac{R}{8\pi \Theta} \frac{v^{2}}{R^{2}} \sin^{2} \theta = \int_{-8}^{\infty} \sin^{2} \theta d^{2} d^{$$

 $= mng cosd \left( -8'ndlong + \sqrt{2} \right)$  = mgcosd RgOn veut of Do N (la force max qu'en peut exorer avent que la workne de rape et qu'en pane en frortenets cinétiques.  $g \in \mu_s N$ 

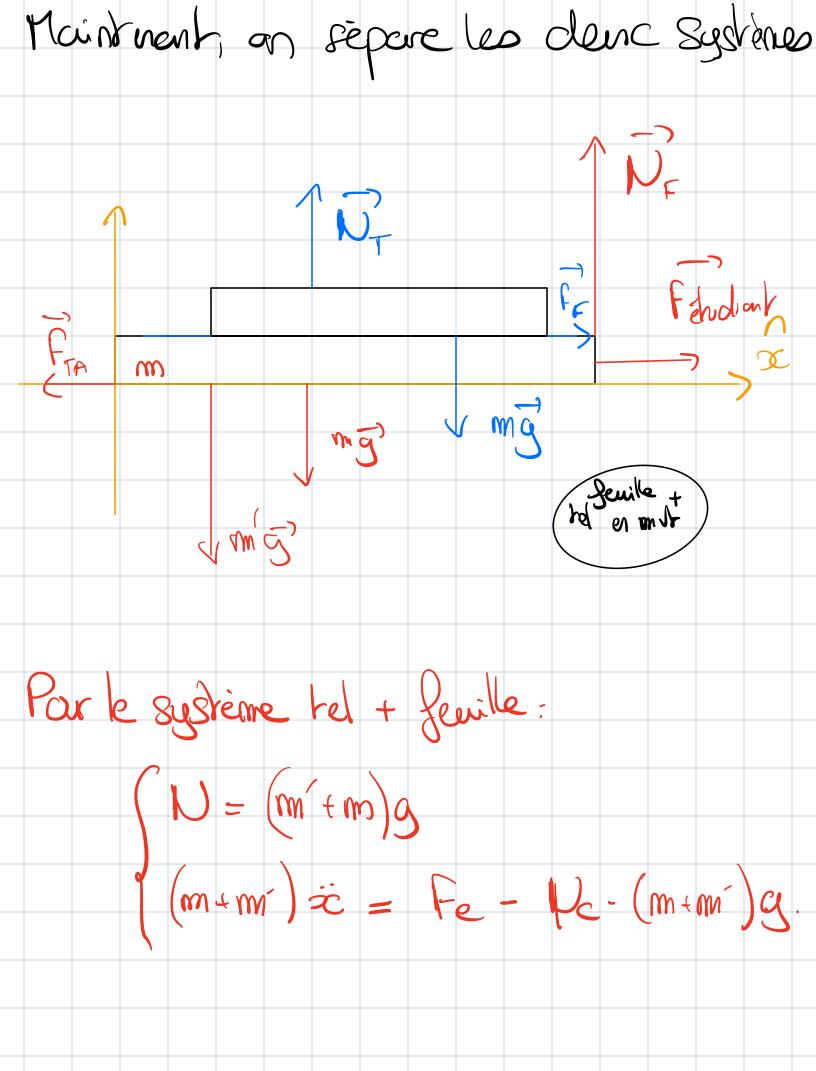


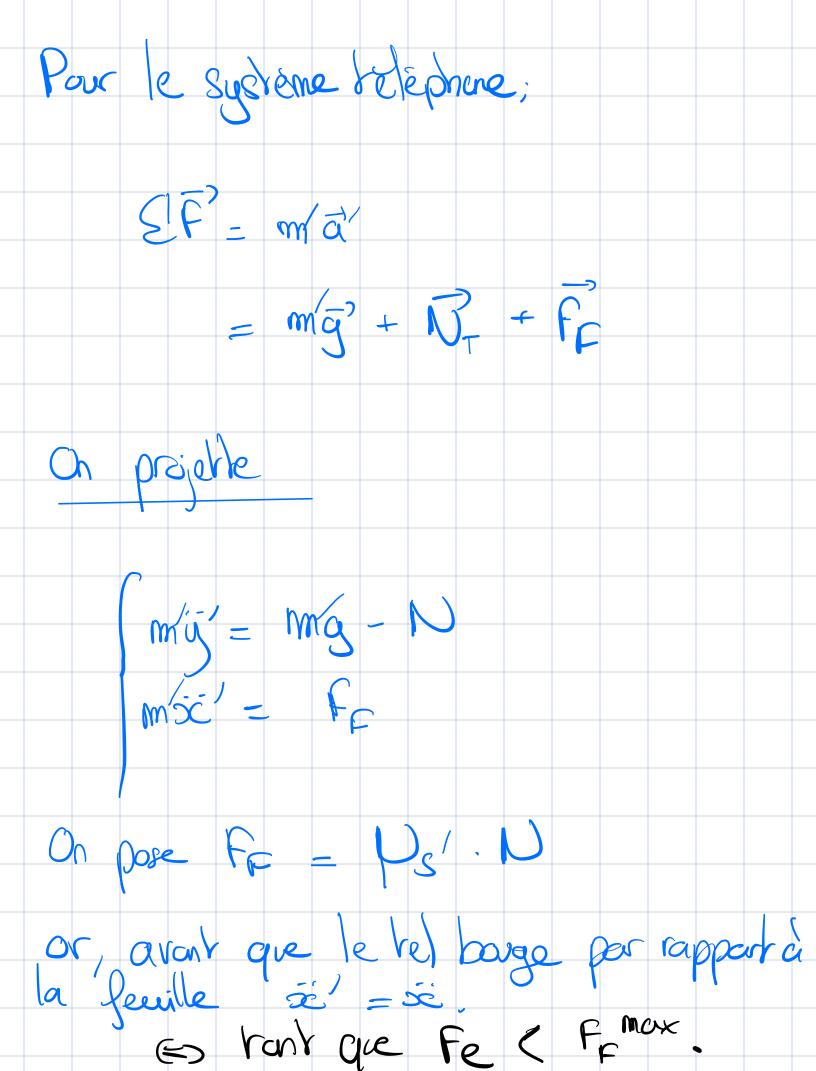
tond Us > 1 e  $V_s$   $\frac{1}{rand}$ Si 1- hand Us >0: 12 ( 12 + rand ) Rg 1- rand Us es V { - Ra (Ps+rond) 1-rond Ps)





On projeke. (m+m)is = (m+m)g - D(mn+m') si = Fe - FTA On pose FTA = Us. N et = 0-10 = Fe - Ps. N - Ps. N  $fe > U_S - (m + m) a$ 





 $on o = \frac{1}{m}$  $F_{e} = (m+m) \div + D_{e} \cdot (m+m') \cdot 3$  $= \left(m + m\right) \cdot \frac{FF}{m} + De\left(m + m\right)g$  $= (m \in m') \cdot \frac{\text{DS-mG}}{m} + \text{DC}(m \in m')g$  $= (Vs'+Vc) \cdot (m+mi) \cdot g$ mais peut-être que Pc > ps (la force minimale pour faire bouger la feuille une sas sercit trop faible pour la feure

choser). Fe > (max (ps; (ps+pc)) -(m+m).9.

$$\dot{x} = \sqrt{x} \Rightarrow \dot{x} = 0$$

$$h(f) = \frac{4}{2}\cos(\omega t)$$

$$T = \frac{2\pi}{\omega} \iff W = \frac{2\pi}{T}$$

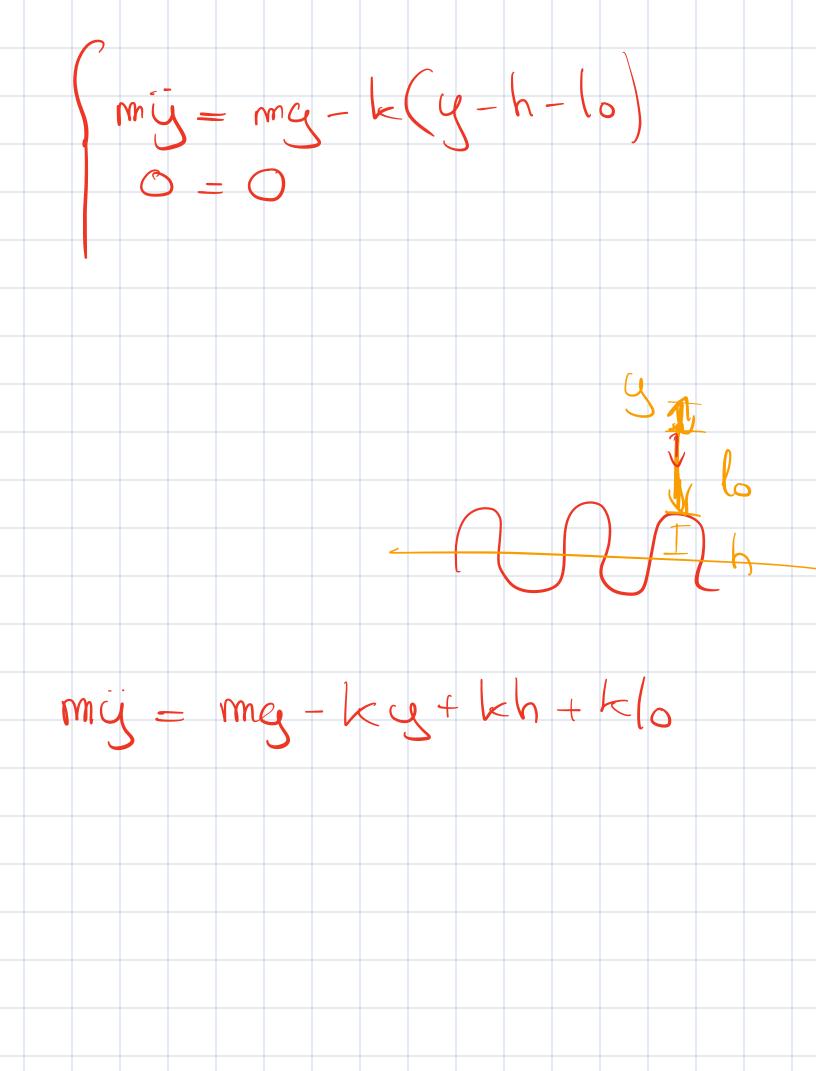
$$T = \frac{L}{Vx}$$
 denc  $w = \frac{2\pi}{L}$   $\sqrt{x}$ 

$$h(t) = \frac{1}{2} \cos(\frac{2\pi}{L}, 4\pi t)$$

$$=$$
  $\overrightarrow{P}$   $\leftarrow$   $\overrightarrow{P}$ 

$$\int_{0}^{\infty} m\ddot{y} = m\dot{y} - k\Delta z$$

$$\int_{0}^{\infty} m\dot{x} = 0$$



$$m\ddot{y} = -mg - ky + k \left( \frac{H}{2} \cos \left( \frac{2\pi}{L} \cdot V_{x}(\xi) \right) + k \right)$$

$$\ddot{y} = -g - \frac{K}{m} y + \frac{K}{m} \frac{H}{2} \cos \left( \frac{2\pi}{L} \cdot V_{x}(\xi) + \frac{K}{m} \right)$$

$$\ddot{y} = -g - \omega_{0}^{2} y + \omega_{0}^{2} \frac{H}{2} \sin \left( \frac{\pi}{2} - \frac{2\pi}{L} \cdot V_{x} \right) + \omega_{0}^{2} \right)$$

$$\ddot{y} + g + \omega_{0}^{2} y - \omega_{0}^{2} \right) = \omega_{0}^{2} \frac{H}{2} \left( - \right)$$

$$\ddot{y} + \omega_{0}^{2} \left( \frac{g}{w_{0}^{2}} + y - 0 \right) = \omega_{0}^{2} \frac{H}{2} \left( - \right)$$

$$\ddot{y} + \omega_{0}^{2} \left( \frac{g}{w_{0}^{2}} + y - 0 \right) = \omega_{0}^{2} \frac{H}{2} \left( - \right)$$

$$\ddot{y} + \omega_{0}^{2} \left( \frac{g}{w_{0}^{2}} + y - 0 \right) = \omega_{0}^{2} \frac{H}{2} \left( - \right)$$

$$\frac{1}{2} = \frac{1}{2} - \frac{2}{2} \cdot \sqrt{2}$$

$$\frac{1}{2} - \frac{2}{2} - \frac{2}{2} \cdot \sqrt{2}$$

$$\frac{1}{2} - \frac{2}{2} - \frac{2}{2} \cdot \sqrt{2}$$

$$\frac{1}{2} - \frac{2}{2} - \frac{2}{2} - \frac{2}{2} - \frac{2}{2} - \frac{2}{2}$$

$$\frac{1}{2} - \frac{2}{2} - \frac{2}{2} - \frac{2}{2} - \frac{2}{2}$$

$$\frac{1}{2} - \frac{2}{2} - \frac{2}{2} - \frac{2}{2} - \frac{2}{2} - \frac{2}{2}$$

$$\frac{1}{2}$$

$$\rho = \frac{H}{2} \cdot w_0^2 \cdot \frac{1}{-w^2 + w_0^2}$$

$$= \frac{H}{2} \cdot \frac{w_0^2}{w_0^2}$$

$$= \frac{H}{2} \cdot \frac{1}{w_0^2}$$

$$= \frac{H}$$