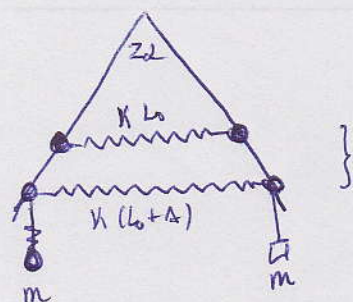


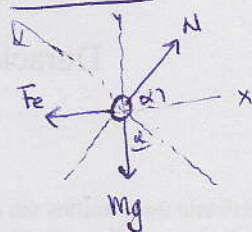


DCL m



$$T = mg$$

DCL anillo



ley de newton.

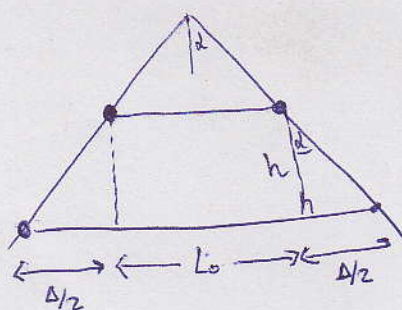
$$x: N \cos \alpha - F_e = 0$$

$$y: N \sin \alpha - mg = 0$$

$$\left. \begin{array}{l} N \cos \alpha = F_e \\ N \sin \alpha = mg \end{array} \right\} \frac{\div}{\div} \uparrow$$

$$\tan \alpha = \frac{mg}{F_e}$$

$$K \cdot \Delta = \frac{mg}{\tan \alpha} \Rightarrow \boxed{\Delta = \frac{mg}{K \tan \alpha}} \quad (1)$$



$$\tan \alpha = \frac{\Delta}{2h}$$

$$\boxed{h = \frac{\Delta}{2 \tan \alpha} = \frac{mg}{2K \tan^2 \alpha}}$$