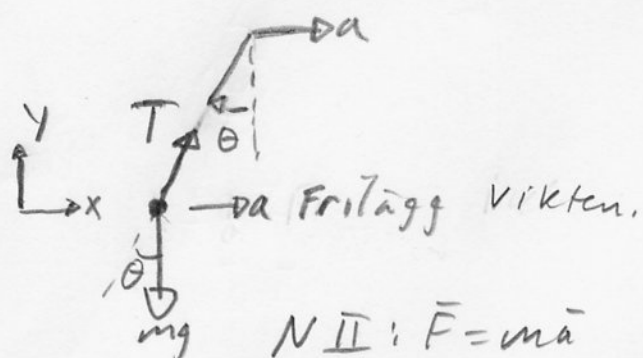


8.6



N II: $\vec{F} = m\vec{a}$

$$\rightarrow: T \sin \theta = m \ddot{X} \quad (1) \quad \ddot{X} = a$$

$$\uparrow: T \cos \theta - mg = m \ddot{Y} \quad (2) \quad \ddot{Y} = 0$$

$$(2): T = \frac{mg}{\cos \theta} \Rightarrow \frac{mg \sin \theta}{\cos \theta} = ma \Leftrightarrow \boxed{a = g \tan \theta}$$

$$\theta = 10^\circ \Rightarrow \underline{a \approx 0,18g}$$

Armens längd har ingen betydelse

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