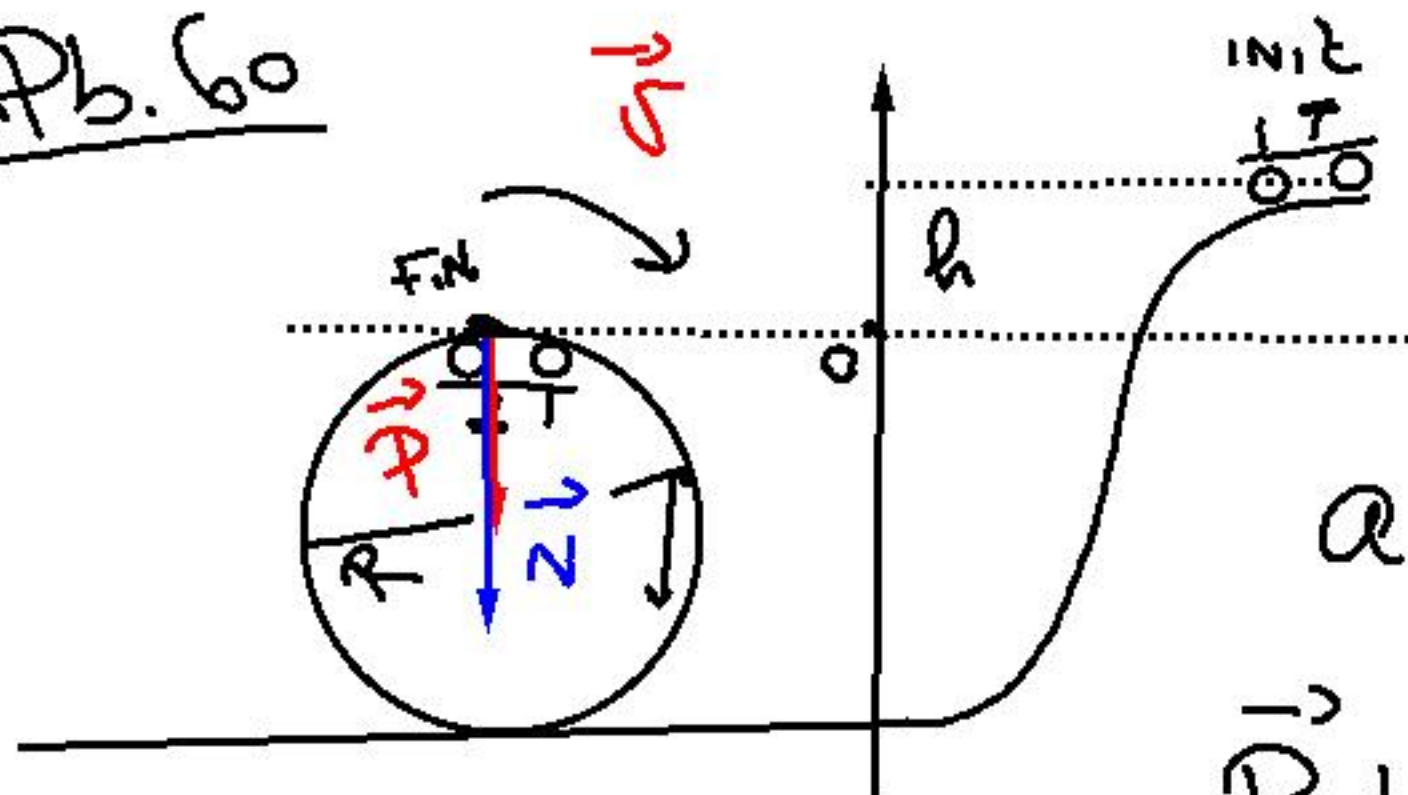


Pb. 60



Attrit.
trascurabili

$$a_c = \frac{v^2}{R}$$

$$\vec{P} + \vec{N} = m \vec{a}_c$$

\vec{P} \vec{N} \vec{a}_c collineari

$$P + N = m \frac{v^2}{R}$$

$$N = m \frac{v^2}{R} - P$$

$$m \frac{v^2}{R} - mg = 0$$

$$v^2 = g \cdot R$$

$$E_{INIZI} = mgh$$

$$E_{FIN} = \frac{1}{2} m v^2$$

$$\frac{1}{2} m v^2 = mgh$$

$$v^2 = 2gh = gR \Rightarrow h = \frac{R}{2}$$

