

$$\begin{cases}
F_{\alpha} = m \alpha \\
F_{-F_{\alpha}} = M \alpha
\end{cases}$$

$$F = (m+H) \alpha \Rightarrow \alpha = \frac{F}{m+H}$$

$$F \leq M_{S}(m+H)g = 15.7 N$$
 F_{mox}

Fed = - ma N vir t vel. rel. plans Fod = mam

Fod = Mam => am=rug=0.98 m/s² ud mg = mam F-maning = Man F-wma

$$a_{H} = \mu a g \frac{m}{H} = 0.59 \text{ m/s}^{2}$$

$$am = \frac{F - \mu_a mg}{m}$$