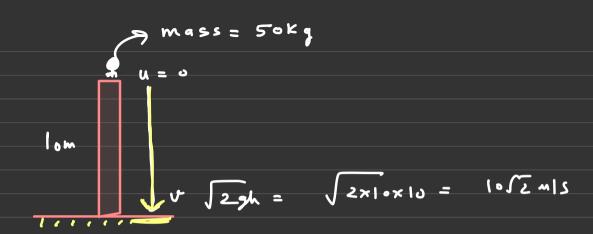
Dynamics 1



Newtons second law of mo houof partile = (m v) momentun Jt

9)



During Collision: Favg =
$$\frac{\Delta P}{0+} = \frac{P_1 - P_1}{0+}$$

Cets

assume

$$\frac{\Delta P}{0+} = \frac{P_1 - P_1}{0+}$$

$$= \frac{0 - (50 \times 100 L)}{\Delta L}$$

$$= \frac{50000 L}{0.01} = \frac{50000 L}{0.01} = \frac{1}{100000}$$

= 500 [1005]

$$y_{3} = m \frac{1}{2} \frac{6553 - m \cdot 6}{6553 - m \cdot 6}$$

$$= m \times \frac{1}{2} \times \left(\frac{3}{5}\right) - \frac{3m \cdot 4}{5}$$

$$= \frac{3m \cdot 4}{5} - \frac{4m}{5}$$

$$\frac{4}{3}$$
 6553 - Mu 6537
 $\frac{4}{2}$ × $\left(\frac{3}{5}\right)$ - Mu $\left(\frac{4}{5}\right)$
 $\frac{3}{10}$ - $\frac{4}{5}$ - $\frac{5}{10}$

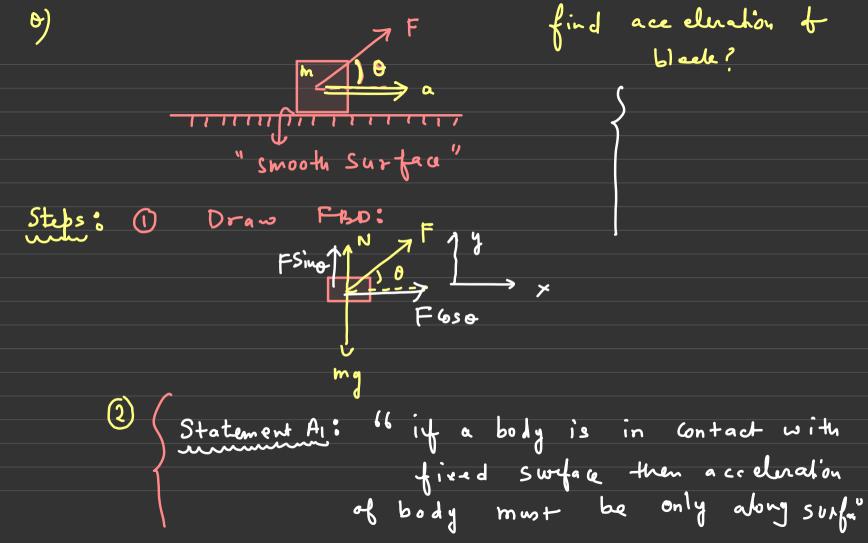




find force experienced by ball during collisis 10+ collide

o)

$$v = ? \sqrt{3} + \sqrt{3} + \sqrt{3} = \sqrt{4} + \sqrt{4} + \sqrt{3} = \sqrt{4} + \sqrt{4} + \sqrt{4} = \sqrt{4} + \sqrt{4} + \sqrt{4} = \sqrt{4} + \sqrt{4} = \sqrt{4} + \sqrt{4} = \sqrt{4} + \sqrt{4} = \sqrt{4} + \sqrt{4}$$

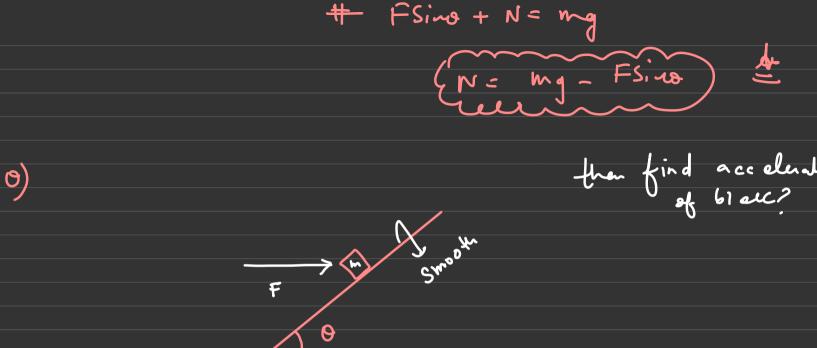


Draw acceleration

- 3 Draw Con. axis

 Sassure x-axis along accedente

 then I to it y-axis
- F Resolve | take component along aris
- F = m \overline{a} along n-aris $F(s) = m \overline{a}$ $Apply F = m \overline{a}$ $F(s) = m \times a$ a = (F(s) a)

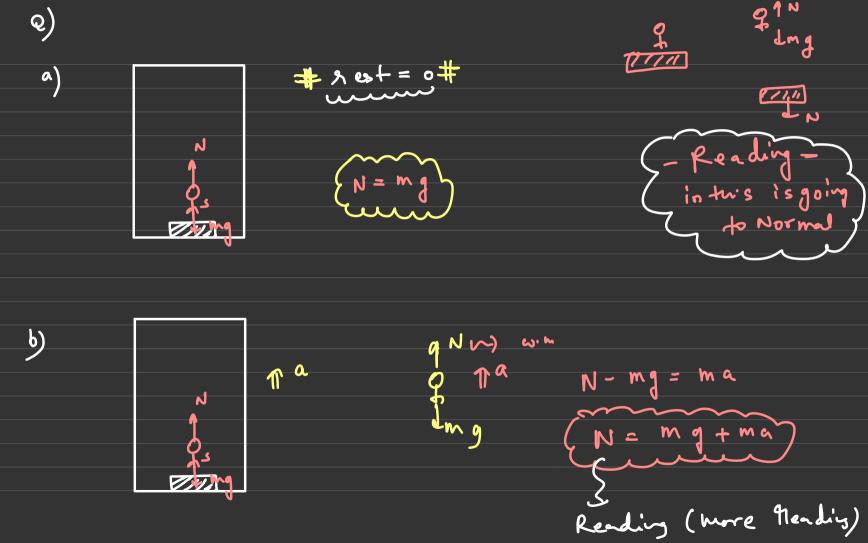


accelere also (+1) ->

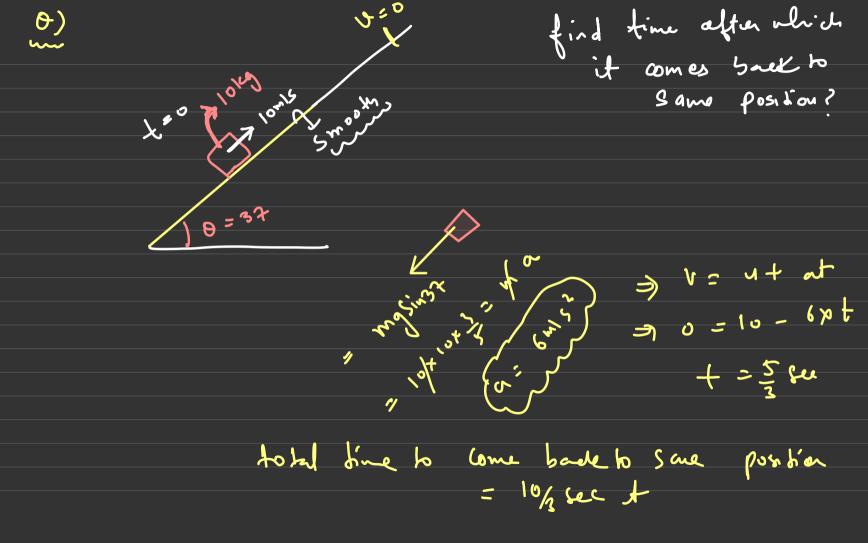
(I) Fr

F (III) 017

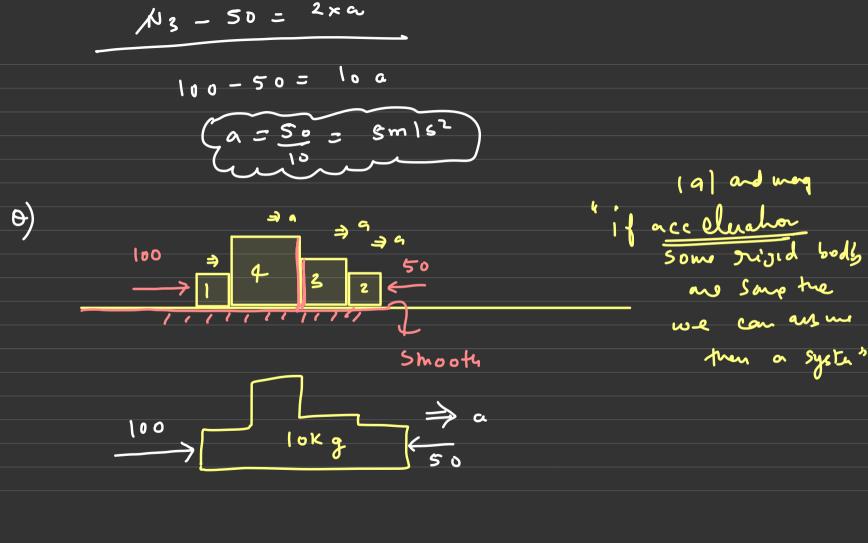
The state of the second secon

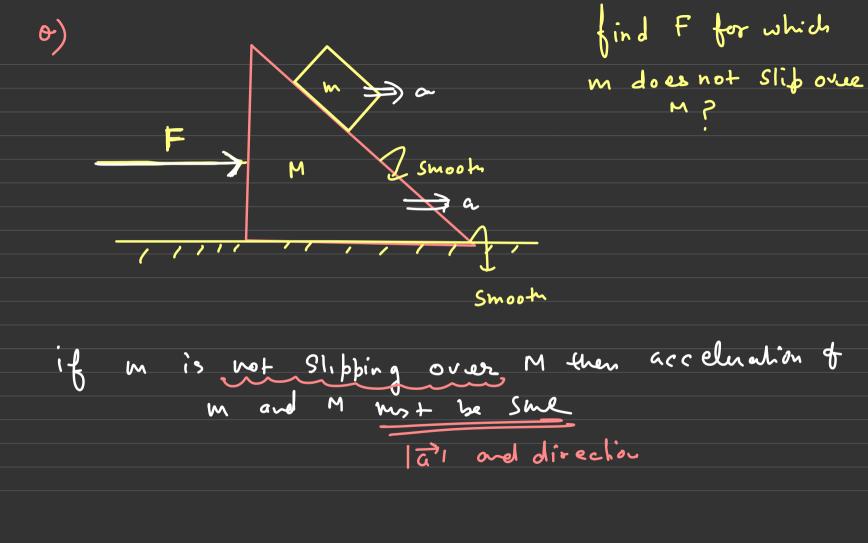


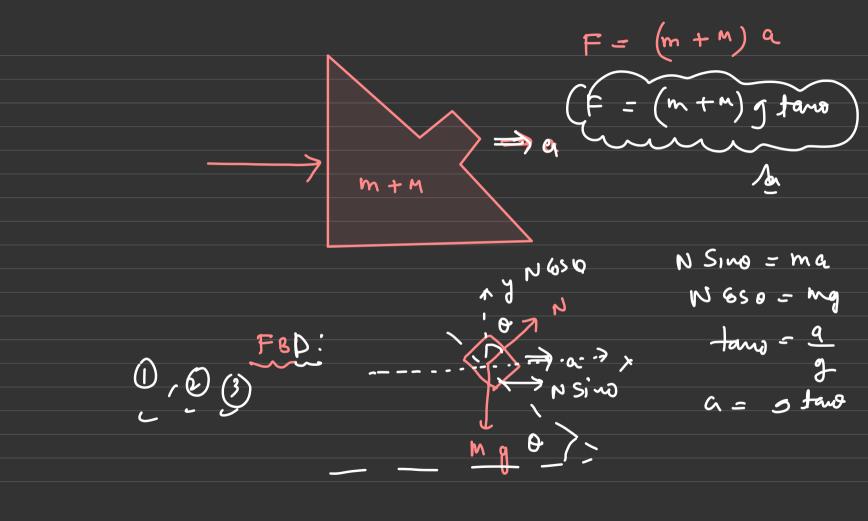
M 3 eens weight -



acceleration ween hem? Smooth 100-01 = 1xa 00 P/1 - N 2 = N2 - N5 = 3 xa







Pre-dass: "forctional force" - (INE + DTS
-> Covel 1 >> pts