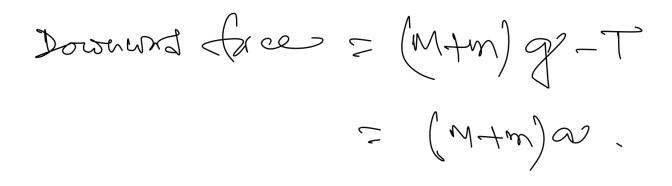
Meerton's Lowe of M office Time was of motion - If the (reads) burn of all the forces defige ou at portiele is zero there and ord ord ord the ten accelerated (i.e. remains at went or an accelerated (i.e. remains at went or mover with londont reliefy a = 0 if and only if F=0 - the property of rout, within on acceleration is meaningful only will a formed of reference is specified. 2 moterage of Meerton S find was depende on the forms reference tota while the of server medseurer the bloke of real; molified and acceleration of the particles. (Irestial Hone). - Menton's Los met voled.

- An front moving unfamly everly respect to our inertial from our than selver inertial. of for the body) at rest, T= mg). 2 Second Low & Motion ne asselvation & a perféche ar reserved form an insuffal from of the Great outing for the particle Livided by The mon. $-\infty$ = $\frac{1}{2}$ /m or, $\frac{1}{2}$ o m. of a Guidelines for Pool terne - Decide the lynten

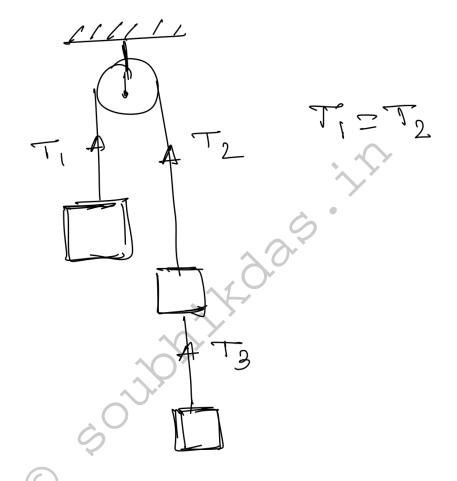
- Identify the forces - Malle a Foch Body Lington - choon axes and write equations. Example. m a coelersty or. <i, 00 g), \$\frac{1}{2}\$ 11. Confact

Force, A III. Pull of the String T, olong the string Town = mas or, T=

T- april H+TSIND = mg) H= mg - maton > m (g-atond). Blenton's that sow - if a body A' exects a forest or fores The how is out strictly correct when interaction between two between special soft a larger distorner is considered. XX (m+m)g7 4 $(m + M) \omega$ For the System.



茶茶



A Sendo Force

To when the notion of a body with respect to a moninarial form of reference.

S A. - the forms of reference & moved with a constant resolvention as with respect to our institut from S. - the realerstion of the pertieb of the vertex of the pertieb of t As S' is translating with reafect to S, we have, Q 2 Q 1 + Q 6, 5' $\alpha_{1} \alpha_{2} = \alpha_{1} - \alpha_{2,1}$ Man - 7 - may

or, a = f - mas - Such correction terms ~ max in to unt of forcer one called & south force. - He bende forcer on also called inertial force although their need on year because of the way of noninentjal forner. A brankles. - Tolong the shing - rog, Josephord - ma, towards ceft (pseudo (avce).

Mow, mog) = T Cond

mas = T Lind

so, Lond = and g)

2 don't (Mg)

Trefa

The unit light of a perfele

to shorp of state of real or straight

enform motion along a straight

his is called on herian.

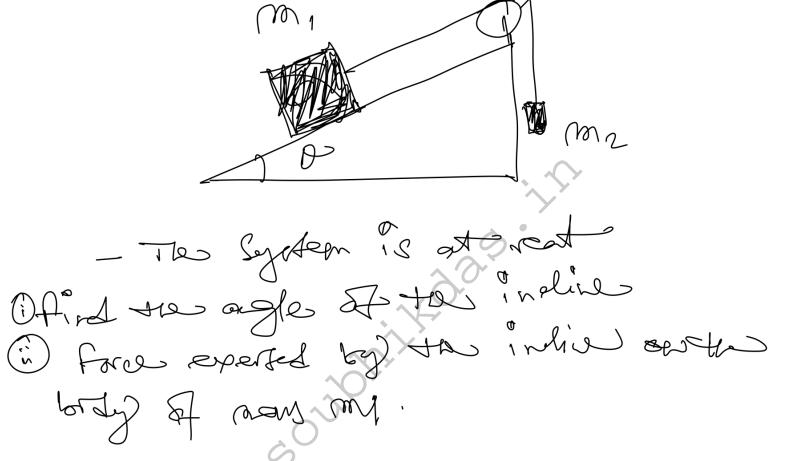
Exorphe?

ASOU CONTROL

AS

T, Cord - To Con B = 0 T, Gad = To Con B - (1)

Tr Sind + T2 link = mg - en gt Tr 2 To for equ 0 20 Example 2



mg mg

m, bsty). Corporat prolled to the include. Tz m, gr Simb m 2 body, T2 M29 ma, g) (in) = mag) N, Sin z m2/m, Assim (m2/my) talling compounts mormal to the M=m,gCond $=m_1g_N-(m_2)^2$