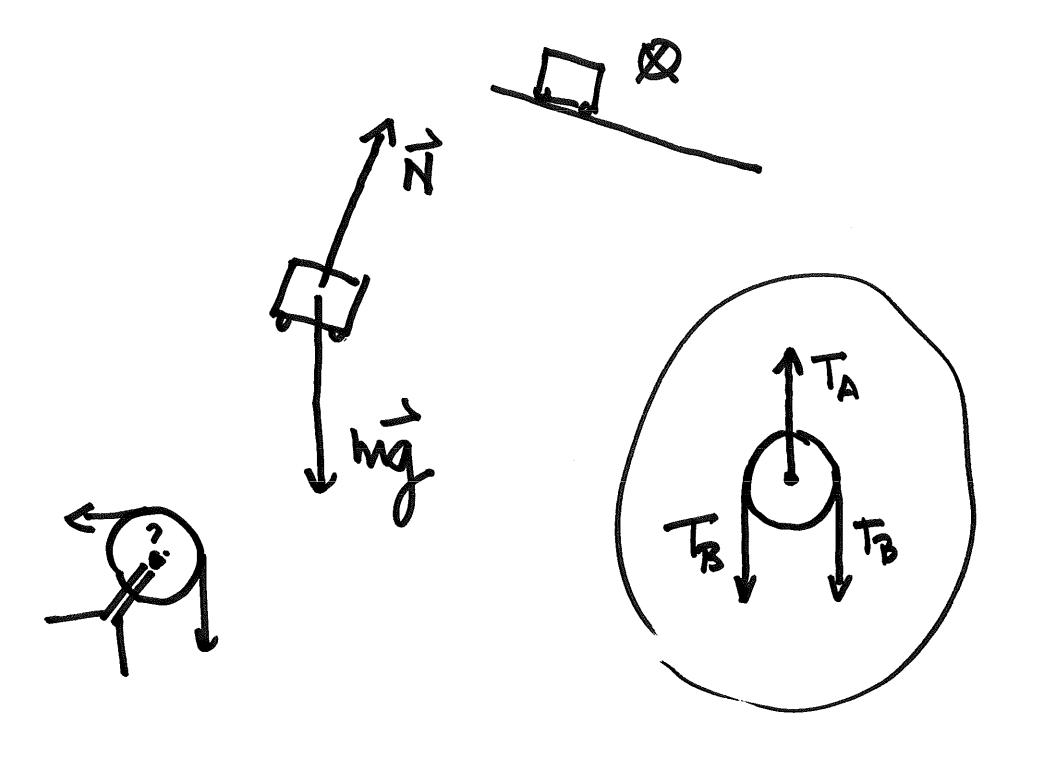
## NYu Physics 2018-09-25 - Energy < Kinchic potential. - Exam I Mentals Laws. (Tubring updale!) (Textbook!) - Grades Integrity Conservation Law. - Questions. - Ski jamp.



release rest D=35° Sint = 0.57 1V2x = Valcos 0 Confervation law: Energy doesn't change Energy changes can be accomted Werred

2): 
$$KE = \frac{1}{2} m V_2^2$$
 PE = 0 receive point!

note: by Cons. of 
$$E$$
: mgh =  $\frac{1}{2}$  mVz  
 $KE = \frac{1}{2}m(v_x^2 + v_y^2)$   $|V_z| = \sqrt{29}h$ 

0.85

$$KE = \frac{1}{2}MV_{3}^{2}$$
  
=  $\frac{1}{2}MV_{2x}^{2}$   
=  $0.65 \times \frac{1}{2}MV_{2}^{2}$