Times Greate L THE 02/12/1020## Motor di pura restricta lungar in priv in directa y: N-mg sm(b) = 0 Polo C.M. (Timetria) Zz: Izd Tp:06:0 2) FSR-Icma
TN=01 (312cm: dR is: Icnacn ZPY =0 CF5 -0 marker (4)-Ica och - noch mg ren(0)=Ipd mg sh(0) = (m-Icn) och

acn = mg sh(0)

m+ Icn

R2 Ip: Icu+ mR' 1 There Ich = 3 m R2 acn = my sen (a) 2 cm = 3rh (0)

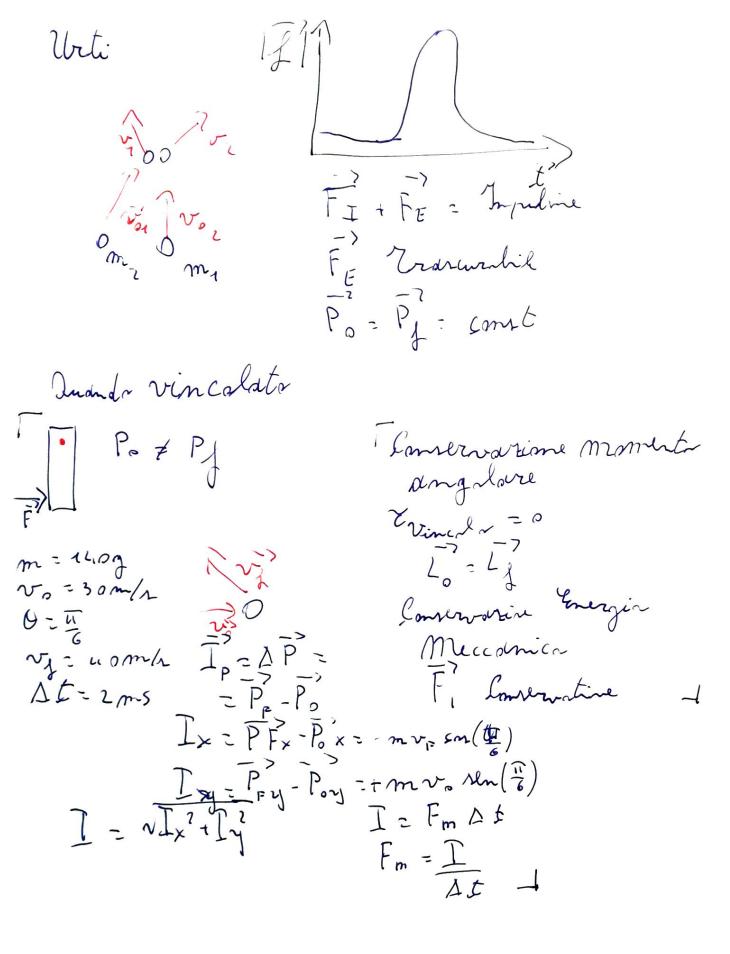
Cilindra acn = 3 g m/6 d = 3 g m/6, Es: Ica sca = \frac{1}{2} m R \frac{2}{3} \frac{1}{2} \text{n(0)} = mg sen (0)
R² ts EM, N $m_g - v_1(0) \in M_S n_g son(0)$ In (0) & 3 M5 (=> Mata di pura ratherita Kot 40 = Kg+ 46 h riferita a cm -Ko =0 1 (3 R2) w 2 gh K12 12 Ipw? 1 Ip w = 40 - 4 F W = 4 3 gh 2 mg h w: V432h 12 (1 mR2 + mR2) w2 = mgh vin: WR

Rato traslataria Fx:0 I mg-T=m. acn TPola P I Pola C.M. 2p -0 TRo: Ica d mg Ro- Ip d Tiland L: acm mg-Icad = maca mg- Ich ach z moden

Roz

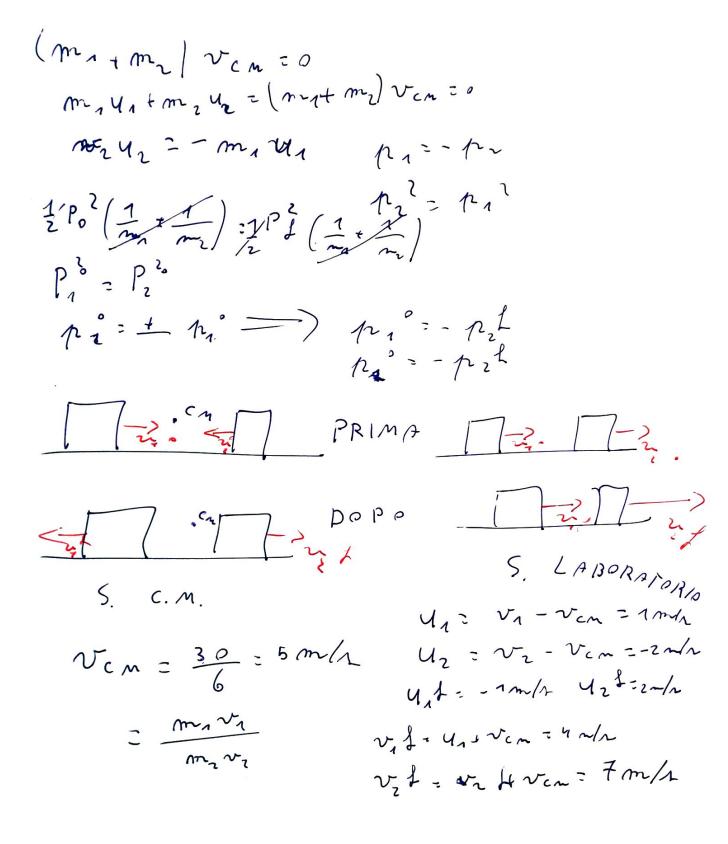
Roz

Ich-



Weti elastici 27 27 to the my vit me ve = my vitt me vet The wrto e elastico se si sonserna l'energia mecconica Ko+40=Kg+4g Ko+Kf=Rontonte 1/mvi+ 1/m v2= 1/m v42 thm, v-12 m, vit - m, vo = - (m, vit - m, 02) m2 (v2g2 - m202) = - m1 (v2t - v20) (v2t + v20) m2 (v2f-v20) = - m1 (v2f-v10) -m, (v,f-v,0) (v,f+v,0) =-m, (v,f-v,0) (21 / + 210) ~えなけべるこ ~はけべる

Vz f- vif= - (vzo-vzo) Allatament anvicionent my = 4 kg v10 - 6 m/r m2 2 kg v2° = 3 m/2 m, wit m, v, = m, v, 1+ m, v, 1 2476 = 4 v, t +2 v, f V21 = V, 1+3 [v2] -v1=3m/2 6-3 x=3m/2 4 vif +2 (vif-3)=30 6 v, 1 - 6 = 30 6 v. f = 24 -/2 vig= 4 mls vel= 7m/n Tistem d'riferienta C.M. VCM = man to ton 122 · W pi= m , U1° . n= - m, 4, 41, 42 veloute mel niste (M. vy, vz mister di laborationi h= 1 m, 4, 2= tro2 Vi= Y1+ Vem Vz = 42 tVcm K 2 + K2 = K1 + K2 + Pa + 12 2 m 1 m 1 m 2 m



ma m S.R. C.M. 41 = V1 - Vcm U2 = - m2 ~ 2 12 2 Uz = Vz - Vcm m, v, , m, v, - m, v, - m, v, - m, v, mut mz 4, 1= - 42° = + mini V2 = 4, + ~ cm ひず: リオーマィー = m, v, + ~, v, = - mari + mari = mater Vac m, 77 m, my = my m, cam vita mario vita -vio v, 1 = 0 22 - 2 N. m/s v,1 = 2 v, ° Pillim sontra Parete Urta complétainente donelastica 0-> Conservative quantité di metre my vo a (mutmu) von 0 VCM = MINO mut my Lorgi insilve Pendela Balistica $m v_0 = (m_1 + m_2) v_f$ $(m_1 + m_1) gh = \frac{1}{2} (m_1 + m_2) v_f^2$ $k_0 + U_0 = K^{\frac{1}{2}} t U_f$ $V_0 - K^{\frac{1}{2}}$ Po + Pg (Vincolata)

Th 72° => Lz F To rell 2200

To ll 2200

To ll 2200 vo? = igh vo = Nigh

12 = L21 m vol = [Izartn + ml2] w2 1/2 (1/3 Me2+ ml2) W2 = mg = (1-sm(0)) + mg & (1-en(0)) 1 = PE-P = Mrul + mwl Pullin P. Pollin Pg Anta