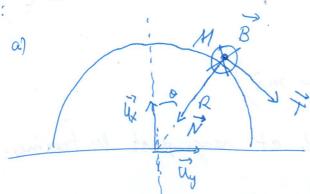
Q1: Voir polf



6>8, donc T' pointe dans le ress horais selon la convenzion de De qui croîte de ux vers uy

b) $\vec{p} = mg (\omega \vec{n} \vec{N} + M \vec{n} \vec{n} \vec{r}), \vec{R} \vec{N} = -R \vec{N}, \vec{f} = -f \vec{r}$

0) · Mo (P) = OM NP = (-RN) N (conorN + nimot) mg =-mg R (cono NAN + Nino NAT) = mg R si bio B , $\vec{M}_{0}(\vec{f}) = -R\vec{N}\Lambda(-f\vec{T}) = Rf\vec{N}\Lambda\vec{T} = -Rf\vec{B}$

· Mo (Rn) = - RN N RNN = - RRN BAN = 0

d) Lo = OM / mv = -RN/ mst = -Rms N/T = Rms B

e) dho = Z Mo (F) => d (Rms B) = Rms B = (mg Rino-Rf.) B

ms = mgnino-f

f) $m\vec{a} = \vec{z} \vec{F} \Rightarrow m \frac{\vec{s}^2}{R} = mg \ln \theta - RN$

