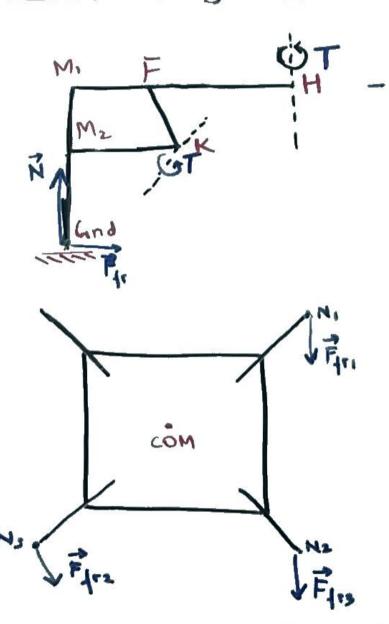
Everyday it gets easier. But you have to do it Everyday



T= 2.5 kg cm' = 250 kg m"

- Assumptions

- The disorom represents a simplified model for the robot during creep goit

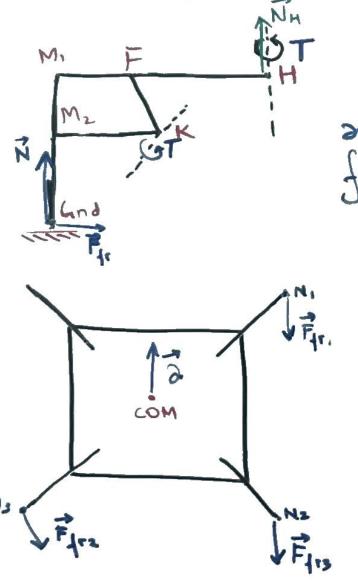
- The robot is moving with a constant velocity, thus we will solve the dynamics equations for the leg for equilibrium.

- Torque from the servos is constant

- com is at the center of the quadruped at rest.

Everyday it gets easier. But you have to do it Everyday T= 2.5 kg cm" = 250 kg m" ∑ Ni = m. 0 - Even if the robot is accelerating; the parameter a is controlled ΣFfri = mã -How do we do the dynamic analysis - Where will be the moss of the less considered? - Need for reconstruction & the Fusion model of the legal follow

Everyday it gets easier. But you have to do it Everyday



The final objective is get analytical expressions for the following -

- Inertial Force on the robot
- merhal Moment on the robot
- Position of COM with movement

This is done do simplify the system as pilows.

Fi = [will simplify calculation of zmp.