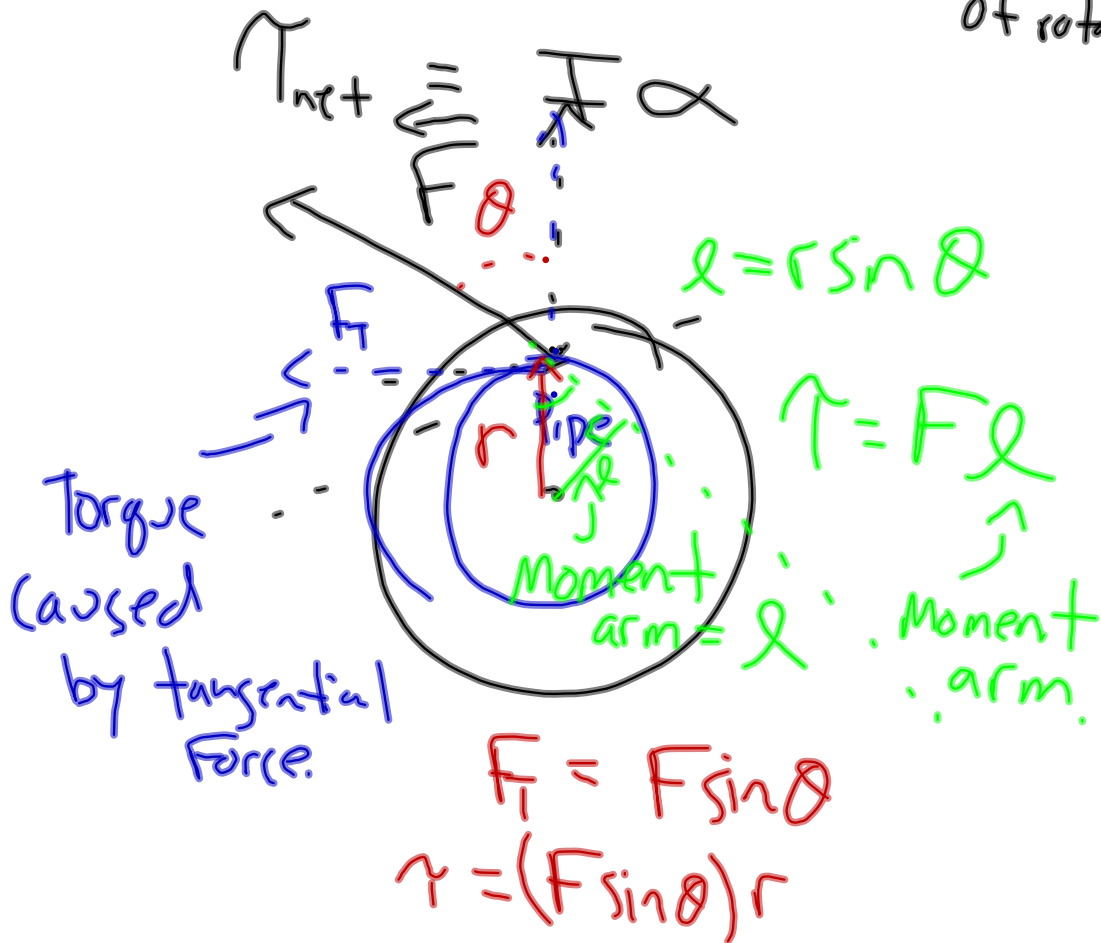


Torque

$$F \cdot r = \tau$$

$$= m r^2 \alpha$$

r = dist of applied force to axis of rotation.

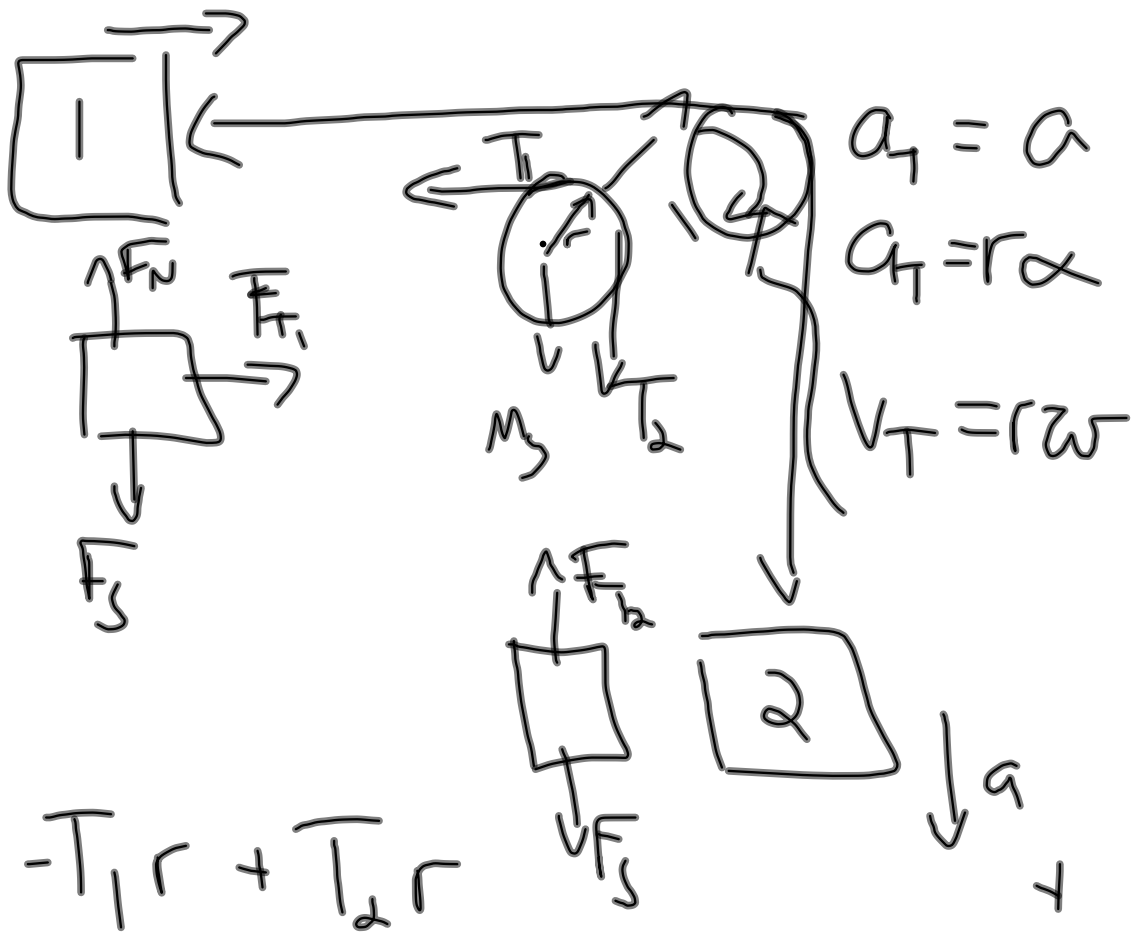


↑ From Gravity

$$\tau_{grav} = M g x_{cg}$$

← Mass total

$$M x_{cg} = \sum m_i x_{cg}$$



Pulley $\rightarrow I\alpha$