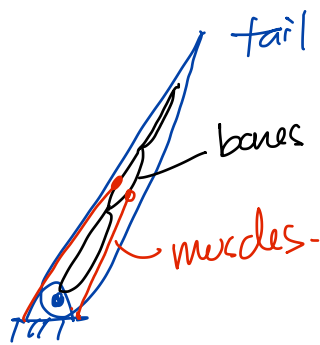
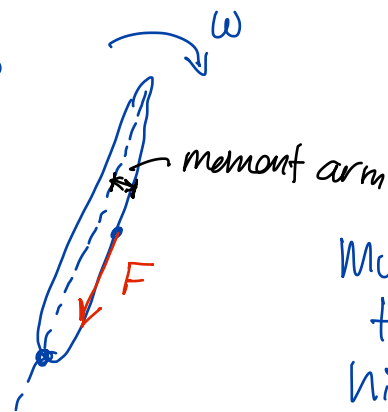


Muscles can only apply force along line between origin + insertion pts.



FBD



Muscle forces tend to be high because the moment arm is so small

Note that the direction of the force relative to the bone will change over time, but for this problem, probably want to say that the muscle force direction relative to the tail and its moment arm don't change over time.