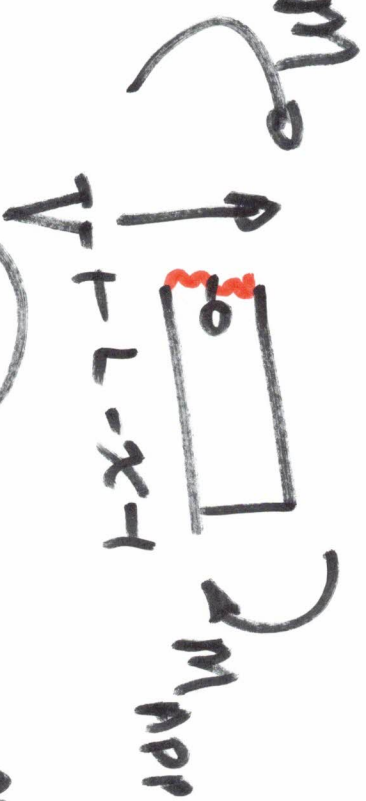
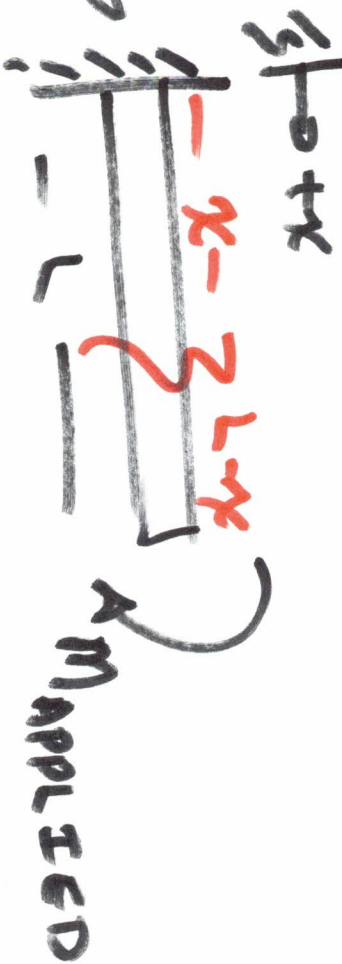


EXAM III

- Mosh's Circle
- Beam (one region)
- Combined Loading



$$\sum M_0 = -M - M_{APPLIED} = 0$$

$$EIV'' = M = -M_{APP}$$

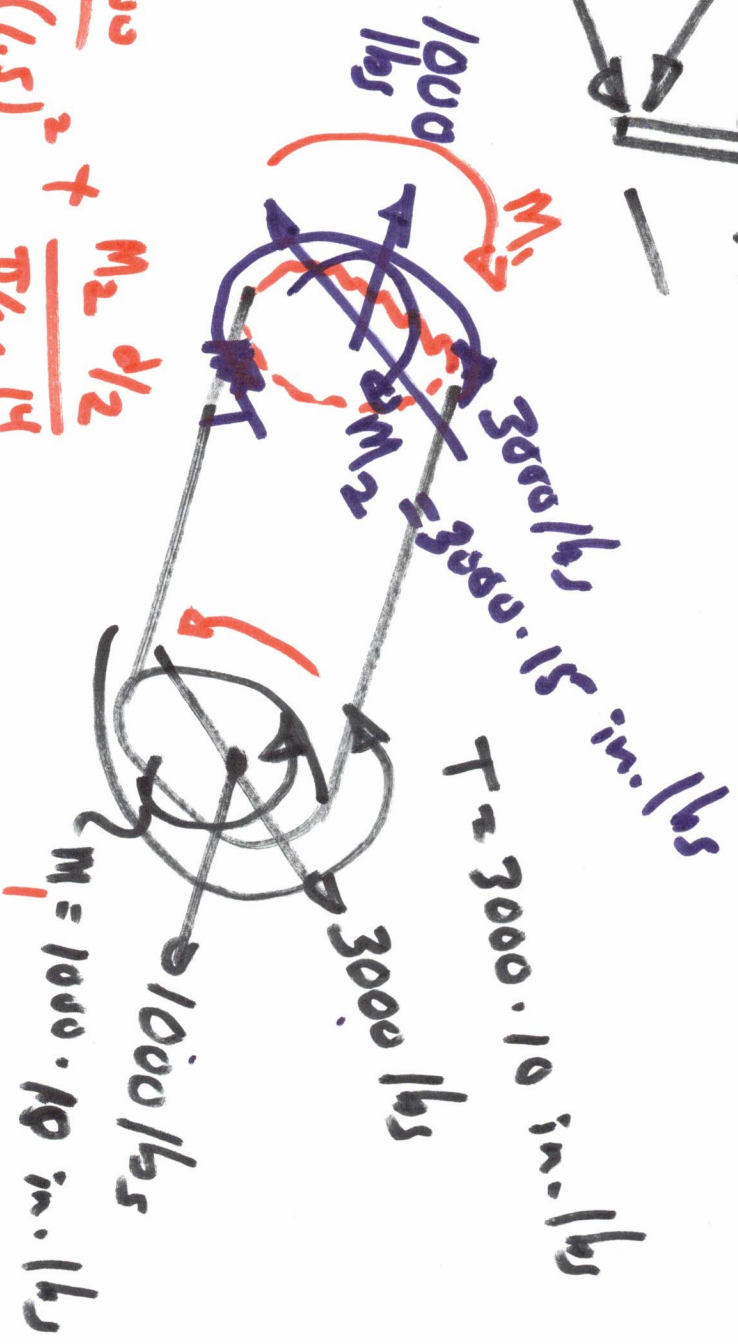
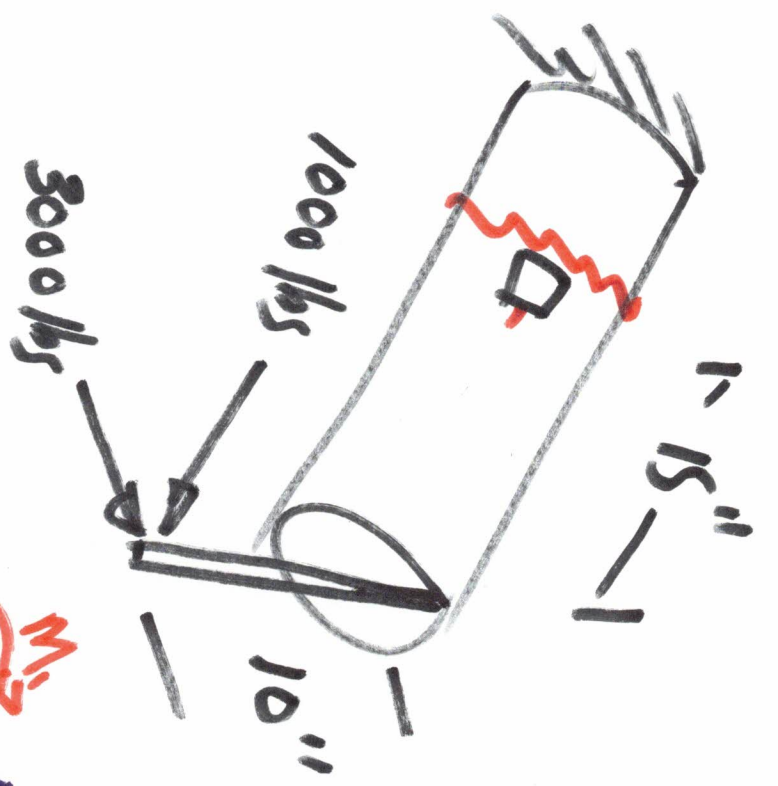
$$EIV' = -M_{APP} \cdot x + C_1$$

$$EIV = -M_{APP} \frac{x^2}{2} + C_1 x + C_2$$

$$\begin{aligned} x=0 \quad v=0 \\ v=0 \quad c_1=0 \\ v'=0 \end{aligned}$$



$d = 1.5 \text{ in}$



$$T = T d^{1/2}$$

$$\frac{\pi}{32} d^4$$

$$\frac{1000}{\pi/32 (1.5)^2} + \frac{M_2 d/2}{\pi/32 d^4}$$

