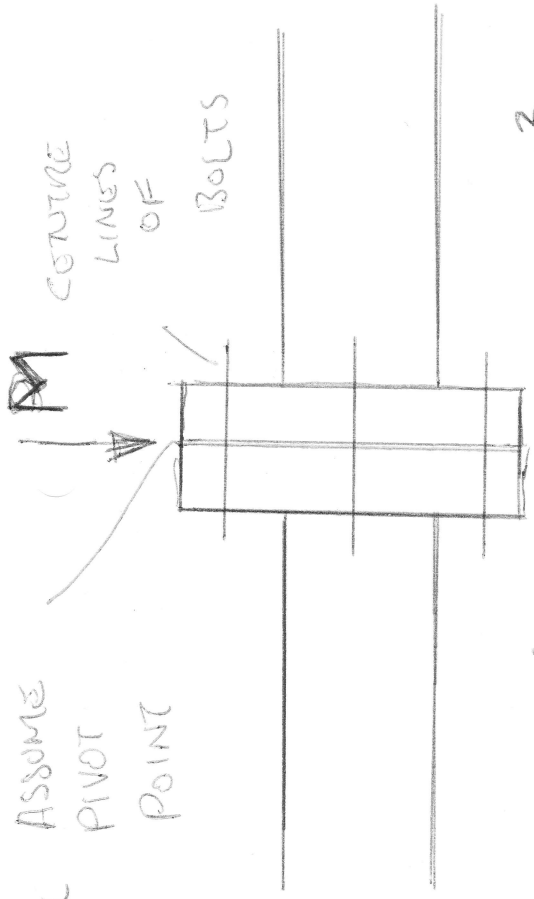


MP = EXTERNAL
MOMENT

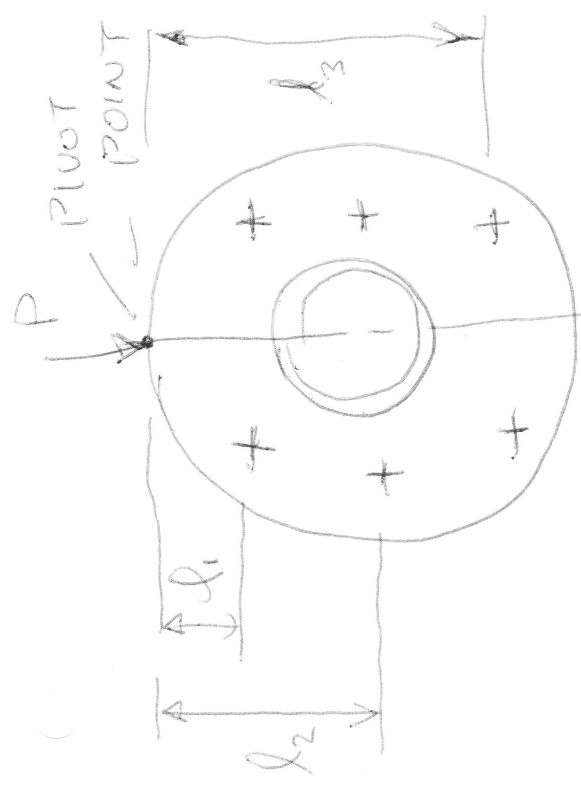


$$M = 2u l_1^2 + 2u l_2^2 + 2u l_3^2$$

FIND μ

$$\mu = \frac{M}{2(l_1^2 + l_2^2 + l_3^2)}$$

$$\text{MAX LOAD IN BOLTS} = \mu \times l_3$$



Where l_1, l_2, l_3 ARE
DISTANCE FROM PIVOT
TO BOLT CENTRE LINES

$$\mu = \frac{\text{UNIT LOAD IN BOLT}}{\text{UNIT DISTANCE}}$$