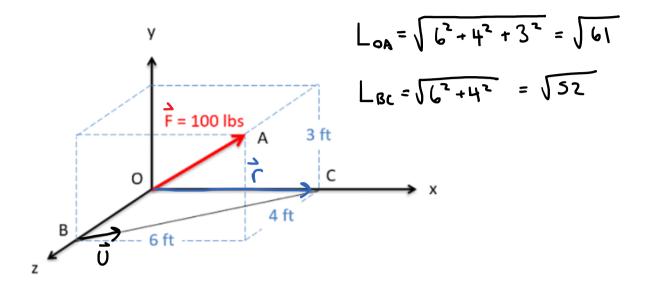
Question 2

A 100 lb force acts along the line connecting points O and A in the diagram below. What moment does this force exert about the axis connecting points B and C?



$$\frac{2}{F} = \left[\frac{6}{161}, \frac{3}{161}, \frac{4}{160} \right]$$

$$\vec{W} = \vec{L} \times \vec{E} = \left[O' - \frac{100}{5400} ' \frac{1800}{1800} \right]$$

$$\frac{3}{V} = \left[\frac{6}{\sqrt{52}}, O, -\frac{4}{\sqrt{52}}\right]$$

$$M = \vec{U} \cdot \vec{M} = -\frac{3600}{\sqrt{793}} = -\frac{127.8 \text{ ft lbs}}{}$$