

$$\text{TOTAL } I_{xx} = \frac{2 \times 252 + 2 \times 144}{792 \times 10^{-9} \text{ t m}^4}$$

$$\textcircled{3} \quad \delta = \frac{My}{I} = \frac{(1600)(60 \times 10^{-3})}{792 \times 10^{-9} \text{ t}}$$

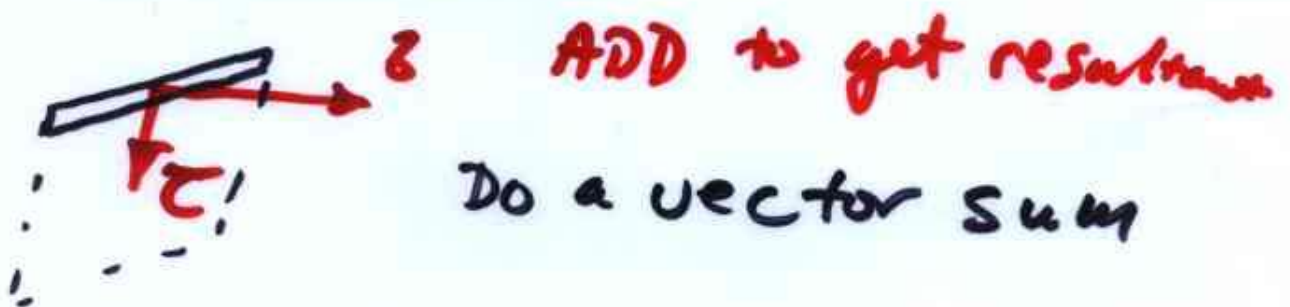
$$\delta = \frac{121.2}{\text{t}} \times 10^6 \text{ N/m}^2$$

DUE TO BENDING

$$\tau = \frac{V}{A} = \frac{10500}{(120 \times 2 + 70 \times 2) \text{ t}} = \frac{26.3 \times 10^6}{\text{t}} \text{ N/m}^2$$

total length

④ Combine Stresses.



$$\frac{1}{\text{t}} \sqrt{(121.2)^2 + (26.3)^2}$$

$$= \frac{124}{\text{t}} \text{ MPa}$$

