

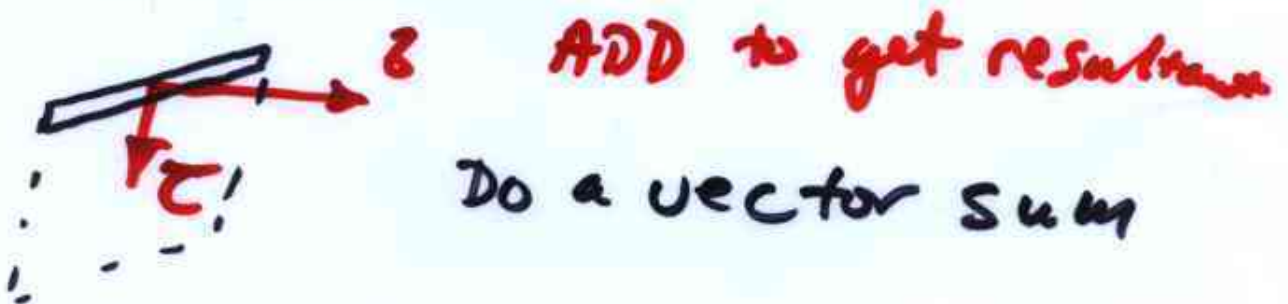
TOTAL $I_{xx} = 2 \times 252 + 2 \times 144$
 $\underline{\underline{792 \times 10^{-9} \text{ t m}^4}}$

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

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



$\frac{1}{\text{t}} \sqrt{(121.2)^2 + (26.3)^2}$
 $= \frac{124}{\text{t}} \text{ MPa}$

