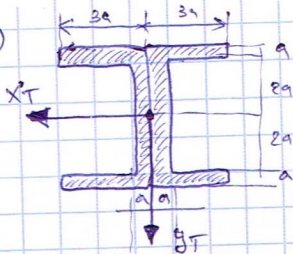


c)



$$\begin{aligned}
 I_x &= \frac{(6a)^4}{12} - 2 \cdot \frac{2a(4a)^3}{12} \\
 &= \frac{1296}{12} a^4 - \frac{128}{12} a^4 \\
 &= \frac{292}{3} a^4
 \end{aligned}$$

$$\sigma_{\max} = \frac{M_{S_{\max}} \cdot y_{\max}}{I_x} = \frac{2Fl \cdot 3 \cdot 3a}{292 a^4} = \frac{9}{146} \cdot \frac{Fl}{a^3}$$