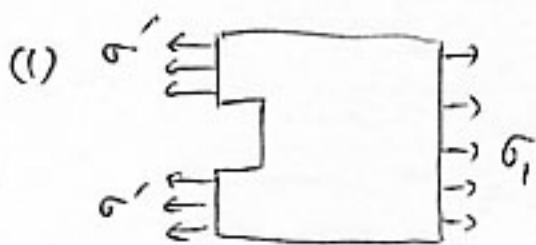


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$$\sigma_1(wt) = \sigma'(w-b)t$$

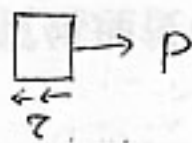
$$\sigma' = \frac{w}{w-b} \sigma_1$$

$$\sigma' < \sigma_B \quad \neq \quad \sigma_1$$

$$\frac{w}{w-b} \sigma_1 < \sigma_B, \quad \therefore \sigma_1 < \frac{w-b}{w} \sigma_B$$

(2) $\sigma_1 \leq \frac{w-b}{w} \frac{\sigma_B}{S_1}$

(3)



$$P = \sigma_2 wt = a \tau ab$$

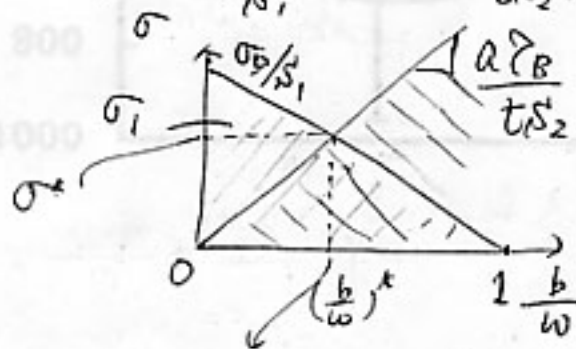
$$\tau = \frac{wt}{ab} \sigma_2$$

$$\tau < \tau_B \quad \neq \quad \sigma_2$$

$$\frac{wt}{ab} \sigma_2 < \tau_B, \quad \therefore \sigma_2 < \frac{ab}{wt} \tau_B$$

(4) $\sigma_2 \leq \frac{ab}{wt} \frac{\tau_B}{S_2}$

(5) $\sigma_1 \leq \left(1 - \frac{b}{w}\right) \frac{\sigma_B}{S_1}, \quad \sigma_2 \leq \frac{a \tau_B}{t S_2} \left(\frac{b}{w}\right) \quad \neq \quad 1$



(6) $\left(1 - \left(\frac{b}{w}\right)^*\right) \frac{\sigma_B}{S_1} = \frac{a \tau_B}{t S_2} \left(\frac{b}{w}\right)^*, \quad \frac{\sigma_B}{S_1} = \left(\frac{\sigma_B}{S_1} + \frac{a \tau_B}{t S_2}\right) \left(\frac{b}{w}\right)^*$

$$\therefore \left(\frac{b}{w}\right)^* = \frac{\sigma_B/S_1}{\frac{\sigma_B}{S_1} + \frac{a \tau_B}{t S_2}}$$

$$\sigma^* = \left[1 - \frac{\sigma_B/S_1}{\frac{\sigma_B}{S_1} + \frac{a \tau_B}{t S_2}}\right] \frac{\sigma_B}{S_1} = \frac{\frac{a \tau_B}{t S_2} \frac{\sigma_B}{S_1}}{\frac{\sigma_B}{S_1} + \frac{a \tau_B}{t S_2}}$$

(74 1/2 -> 2/3)

$$= \frac{(\sigma_B/S_1) (a \tau_B/t S_2)}{\sigma_B/S_1 + a \tau_B/t S_2}$$

γ_{wco}