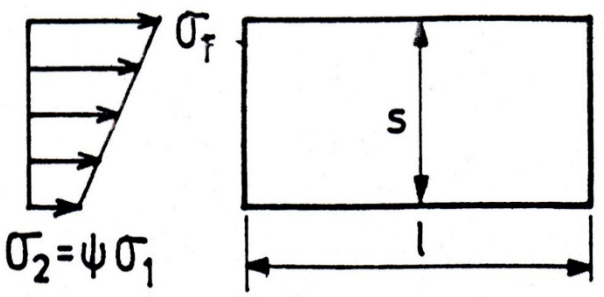
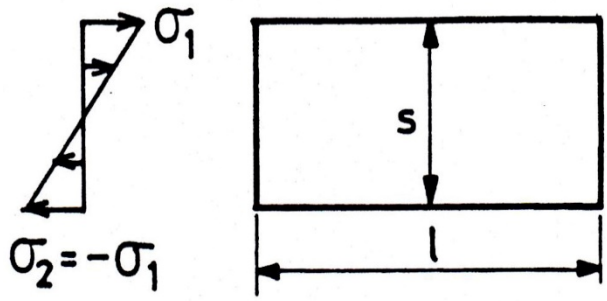
a)



$$C = \frac{8{,}4}{\psi + 1{,}1}$$

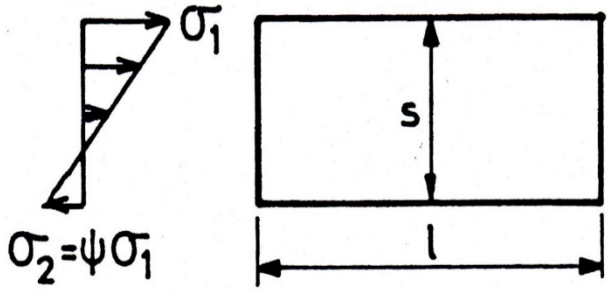
$(\psi = 1 : C = 4)$

b)



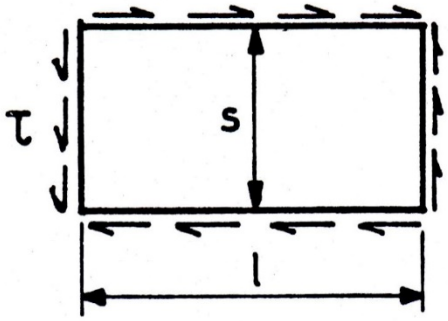
$$C = 24$$

c)



$$C = 7{,}6 - 6{,}4\,\psi + 10\,\psi^2$$

d)

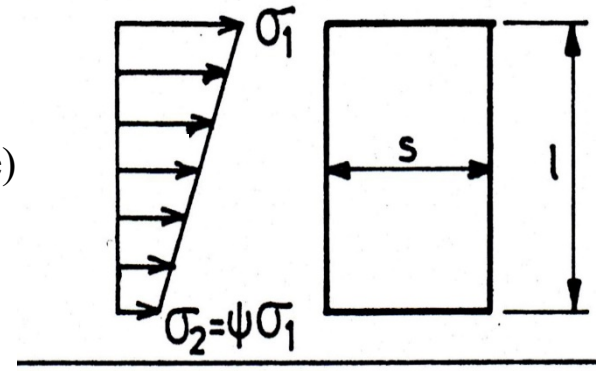


$$C = 5{,}34 + 4\left(\frac{s}{l}\right)^2$$

$$\sigma_{CRITICAL} = \sigma_{YIELD} \cdot \left(1 - \frac{\sigma_{YIELD}}{4\,\sigma_{EULER}}\right) \quad når \quad \sigma_{EULER} \geq \frac{\sigma_{YIELD}}{2}$$

$$\sigma_{CRITICAL} = \sigma_{EULER} \quad når \quad \sigma_{EULER} \leq \frac{\sigma_{YIELD}}{2}$$

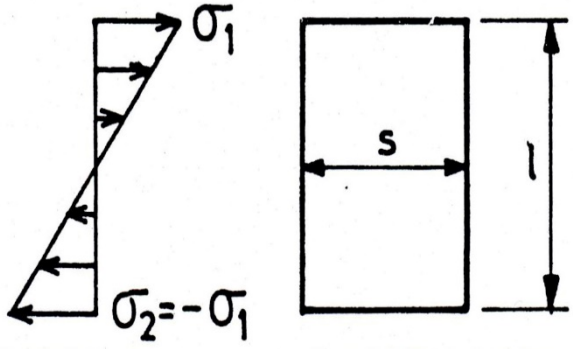
e)



$$C = \left[1 + \left(\frac{s}{l}\right)^2\right]^2 \frac{2{,}1}{\psi + 1{,}1}$$

$$\left(\psi = 1 : C = \left[1 + \left(\frac{s}{l}\right)^2\right]^2\right)$$

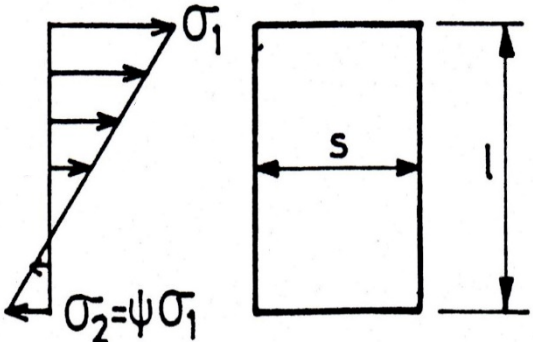
f)



$$\frac{l}{s} < \frac{3}{2} : C = 24\left(\frac{s}{l}\right)^2$$

$$\frac{l}{s} > \frac{3}{2} : C = 2 + 16\left(\frac{s}{l}\right)^2 + 8\left(\frac{s}{l}\right)^4$$

g)



$$C = (1 + \psi)C_e - \psi C_f + 10\,\psi(1 + \psi)\left(\frac{s}{l}\right)^2$$

- C_e: Case e with $\psi = 0$
- C_f: Case f