

Tyngdetetthet armert betong:

$$\gamma := 25 \frac{kN}{m^3}$$

Dekke:

$$b := 1000 \text{ mm}$$

$$h := 250 \text{ mm}$$

$$g_k := \gamma \cdot b \cdot h = 6.25 \text{ m} \cdot \frac{kN}{m^2}$$

Vegg:

$$b := 200 \text{ mm}$$

$$h := 2750 \text{ mm}$$

$$g_k := \gamma \cdot b \cdot h = 13.75 \text{ m} \cdot \frac{kN}{m^2}$$

Søyle parkeringskjeller:

$$b := 300 \text{ mm}$$

$$h := 800 \text{ mm}$$

$$L := 2665 \text{ mm}$$

$$g_k := \gamma \cdot b \cdot h \cdot L = 15.99 \text{ kN}$$

Søyle svalgang:

$$d := 200 \text{ mm}$$

$$L := 2750 \text{ mm}$$

$$g_k := \gamma \cdot \pi \cdot \left(\frac{d}{2}\right)^2 \cdot L = 2.16 \text{ kN}$$

Snølast:

$$\mu := 0.8$$

$$C_e := 1$$

$$C_t := 1$$

$$h := 488.5$$

$$h_0 := 493$$

$$S_{k,0} := 4$$

$$\Delta S_k := 1$$

$$S := S_{k,0} + \frac{h - h_0}{100} \cdot \Delta S_k = 3.955$$

$$S_k := \mu \cdot S = 3.16$$