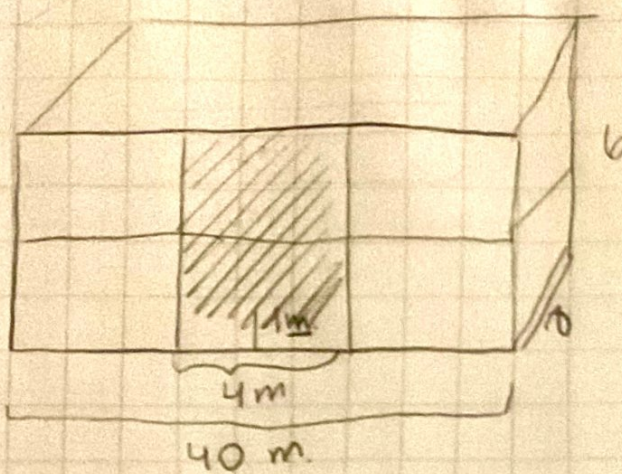


Cuc 8

Catalina Mella Villegas



$$\begin{aligned} C_n &= 3,33 \\ K_{B_i} &= 1,5 \text{ m} \\ B_{M_i} &= 1,78 \\ K_{M_i} &= 2,67 \text{ m} \\ K_{G_i} &= 1,67 \text{ m} \end{aligned}$$

$$\text{Incremento Calado} = \frac{14 \times 8 \times 3}{(40 \times 3) - (4 \times 8)} = 0,33 \text{ m} \quad \text{Nuevo Calado} \rightarrow 3,33$$

$$C_f = 3,33 \text{ m}$$

$$\begin{aligned} K_{M_i} &= K_{B_i} + B_{M_i} \\ K_{M_i} &= 1,5 + \frac{(8)^2}{12 \cdot 3} \end{aligned}$$

$$K_{M_i} = 2,67 \text{ m}$$

$$\begin{aligned} K_{G_i} &= K_{M_i} - G_{M_i} \\ &= 2,67 - 1 \text{ m} \\ K_{G_i} &= 1,67 \text{ m} \end{aligned}$$

$$\begin{aligned} K_{M_f} &= K_{B_f} + B_{M_f} \\ &= 1,67 + 3,19 \\ K_{M_f} &= 4,86 \text{ m} \end{aligned}$$

$$K_{G_f} = K_{M_f} - G_{M_f}$$

$$\begin{aligned} G_{M_f} &= K_{M_f} - K_{G_f} \\ &= 4,86 - 1,67 \\ G_{M_f} &= 3,19 \text{ m} \end{aligned}$$