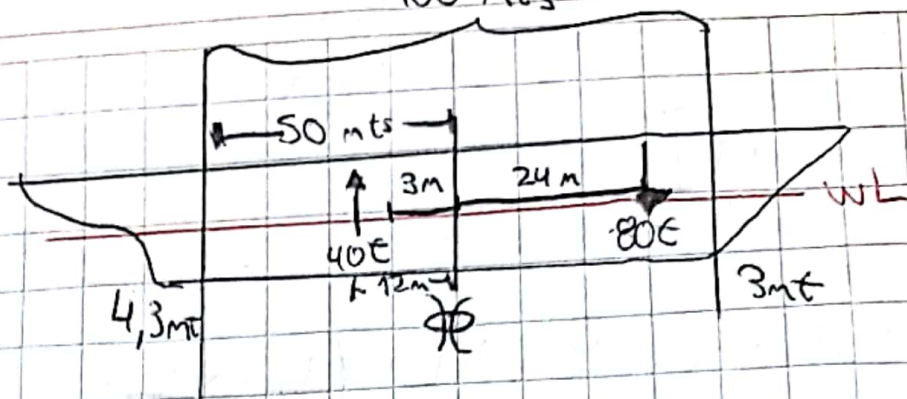


100 mts



⑤

- $TPC = 10 \text{ Tm}$
- $MTC_{1m} = 120 (\text{tn} \cdot \text{mt})$

① CARGA

$$\frac{80}{TPC} = \frac{80}{10} = 8 \text{ cm}$$

$$\text{Cambio de Asiento} = \frac{80 \text{ Tm} \cdot 27 \text{ mt}}{120 (\text{Tm} \cdot \text{mt})} = 18$$

$$\text{Cambio calado popa} = \frac{L}{L} \cdot \text{Cambio Asiento} = \frac{47 \text{ mt}}{100 \text{ mt}} \cdot 18 = 8,46$$

$$\text{Cambio calado proa} = \frac{53}{100} \cdot 18 = 9,54 \text{ cm}$$

② DESCARGA

$$\frac{40}{TPC} = \frac{40}{10} = 4 \text{ cm}$$

$$\text{Cambio Asiento} = \frac{40 \text{ tn} \cdot 9 \text{ mt}}{120 (\text{tn} \cdot \text{mt})} = 3$$

$$\text{Cambio calado popa} = \frac{47 \cdot 3}{100} = 1,41 \text{ cm}$$

$$\text{Cambio calado proa} = \frac{53 \cdot 3}{100} = 1,59 \text{ cm}$$

Final

$$\begin{aligned} \bullet \text{ Calado popa} &= 4,3 \text{ mt} - 0,0846 \text{ mt} - 0,0141 \text{ mt} - 0,04 + 0,08 \\ &= 4,2413 \text{ mt} \checkmark \end{aligned}$$

$$\begin{aligned} \bullet \text{ Calado proa} &= 3 \text{ mt} + 0,0954 \text{ mt} + 0,0159 \text{ mt} - 0,04 + 0,08 \\ &= 3,1513 \text{ mt} \checkmark \end{aligned}$$

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