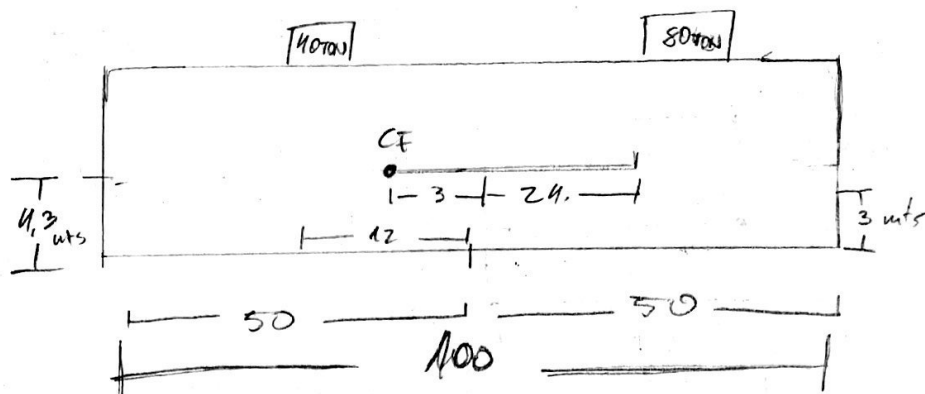


3



* TPC = 10 TON

* TPC_{1m} = 120 (Tn - mts)

Desarrollo

① CARGA = $\frac{80}{TPC} = \frac{80}{10} = 8 \text{ cm}$

cambio Asiento = $\frac{80 \text{ TON} \cdot 27 \text{ mts}}{120 (\text{Tn} \cdot \text{mts})} = 18$

cambio calado popa = $\frac{l}{L} \cdot \text{cambio Asiento} = \frac{47 \text{ mts}}{100 \text{ mts}} \cdot 18 = 8,46 \text{ cm}$

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

② DESCARGA = $\frac{110}{TON} = \frac{110}{10} = 11 \text{ cm}$

cambio Asiento = $\frac{110 \text{ TON} \cdot 9 \text{ mts}}{120 (\text{TON} \cdot \text{mts})} = 3$

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

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

FINAL

$$\text{Calado Popa} = 4,3 \text{ m} - 0,0846 - 0,0141 - 0,04 + 0,08 = \underline{4,2413 \text{ mts}}$$

$$\text{Calado proa} = 3 + 0,0954 + 0,0159 - 0,04 + 0,08 = \underline{3,1513 \text{ mts}}$$