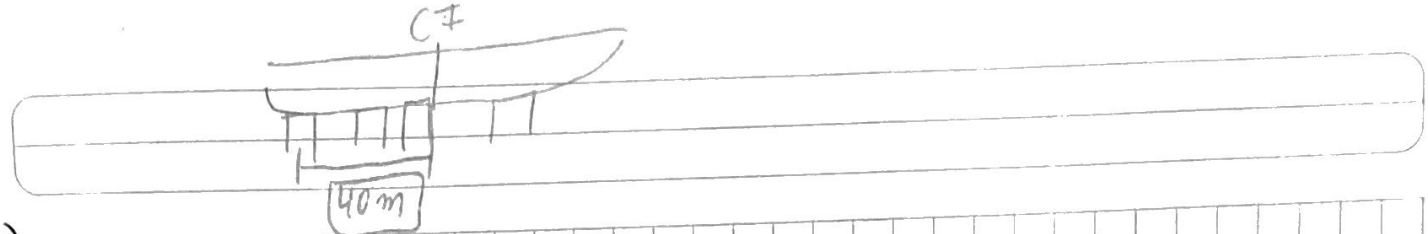


4) $\nabla = 3000$ T

$KM = 4{,}5$ m

MTC 1 cm = 80 (T·m/cm)

avénito = 50 cm → (t)

Grupo de bloques a 40 m a popa do CF

$l = 40$ m

$$P = \frac{MCT\,1cm \cdot t}{l} \Rightarrow \frac{80\left(\frac{T \cdot m}{cm}\right) \cdot 50\,cm}{40\,m} \Rightarrow \boxed{100\,T}\ P$$

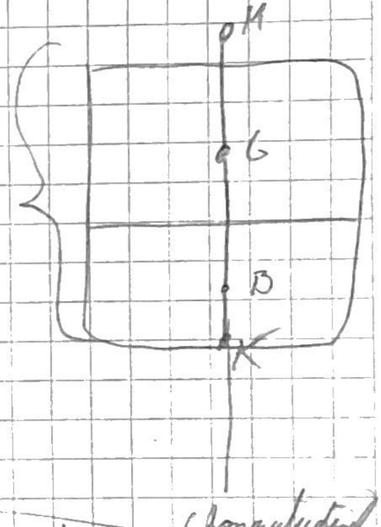
$P = 100$ (T)

• Metodo 1: Perdida Virtual de GM (MM_1) $= \frac{P \cdot KM}{W} = \frac{100(T) \cdot 4{,}5\,m}{3000\,T}$

Perdida Virtual de GM $= 0{,}15$ m

GM inicial = KM − KG

R: La perdida virtual de estabilidad es de 0,15 m



$MTC(1cm) = \frac{\nabla \cdot GM_L}{100 \cdot L}$ → (longitudinal)