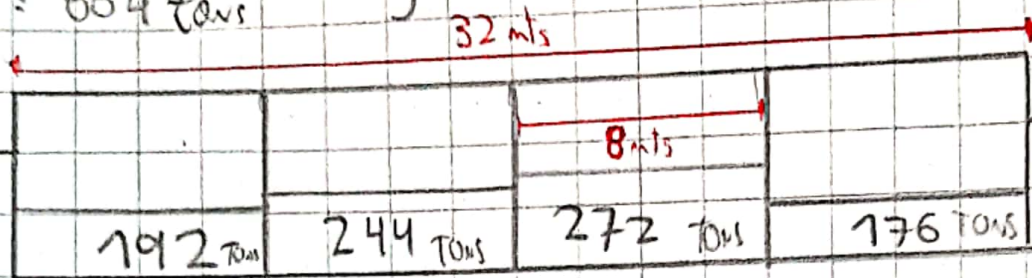


Certamen 6: Pregunta 1

FECHA: / /

Esloza: 32 mts
 Δ liviano: 352 toneladas
 Carga: 884 tons

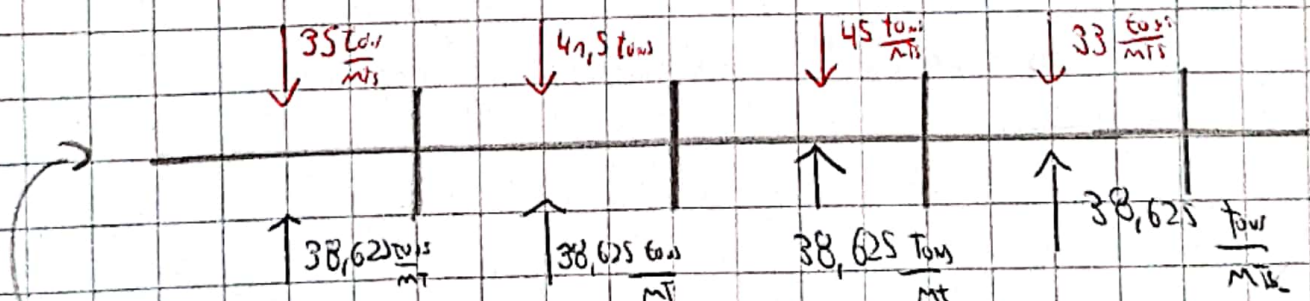


$$\therefore \frac{352 \text{ tons}}{32 \text{ mts}} = 11 \text{ [TON/mts]} \text{ (esfuerzo buque liviano)}$$

$$\therefore \frac{(352 + 884)}{32} = 38,625 \text{ (tons/mts)}$$

$$\therefore \frac{\text{Esloza}}{\text{No Secciones}} = \frac{32 \text{ mts}}{4} = 8 \text{ mts}$$

- $192 : 8 = 24 + 11 = 35 \text{ ton/mts}$
- $244 : 8 = 30,5 + 11 = 41,5 \text{ ton/mts}$
- $272 : 8 = 34 + 11 = 45 \text{ ton/mts}$
- $176 : 8 = 22 + 11 = 33 \text{ ton/mts}$



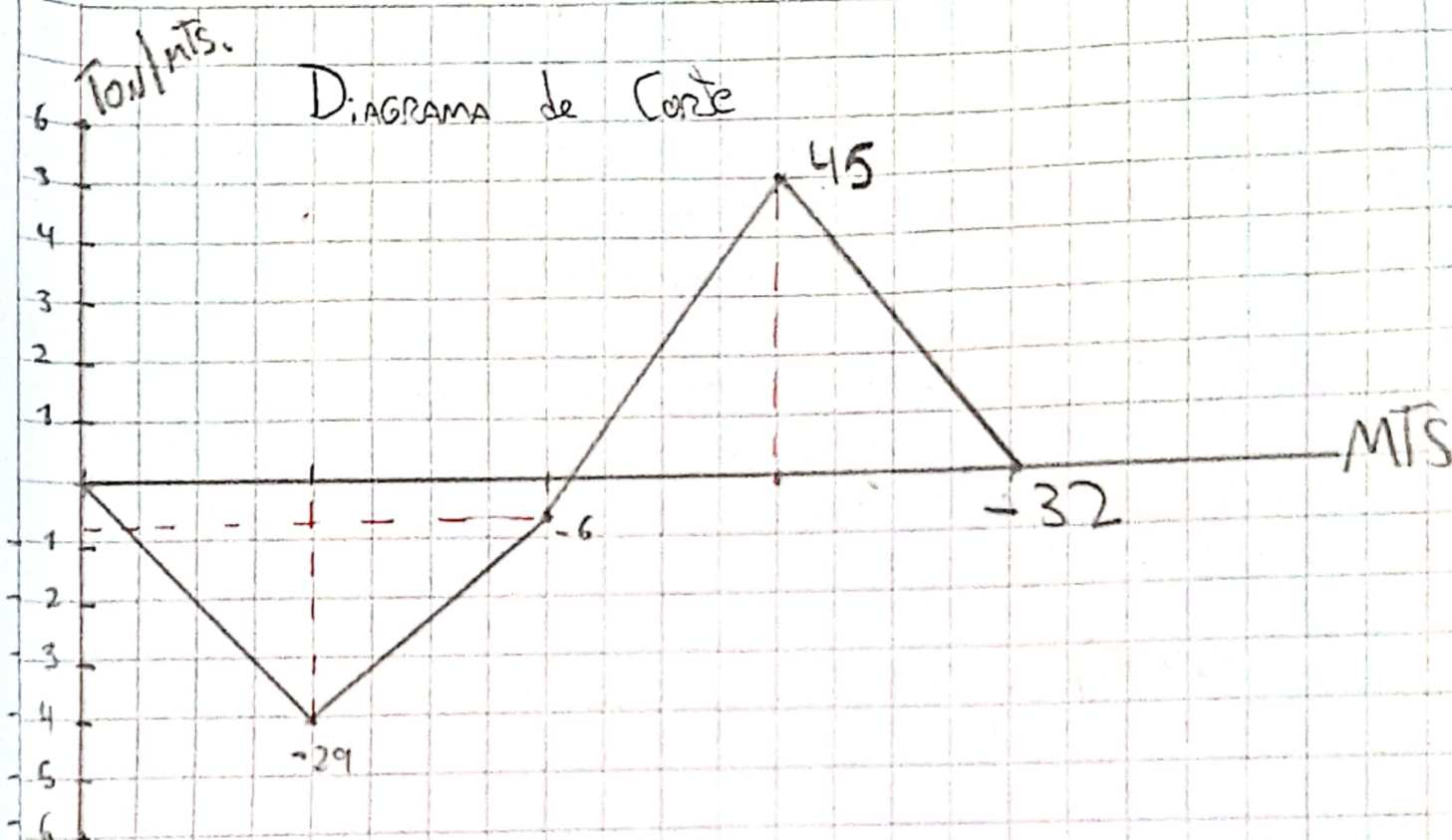
diferencia

$$\boxed{-3,625 \quad 2,875 \quad 6,375 \quad -5,625} \text{ (TON/M)}$$

MTS	0	8	16	24	32
Tons/mts	0	-29	-6	+45	0

(bucque)

FECHA: / /

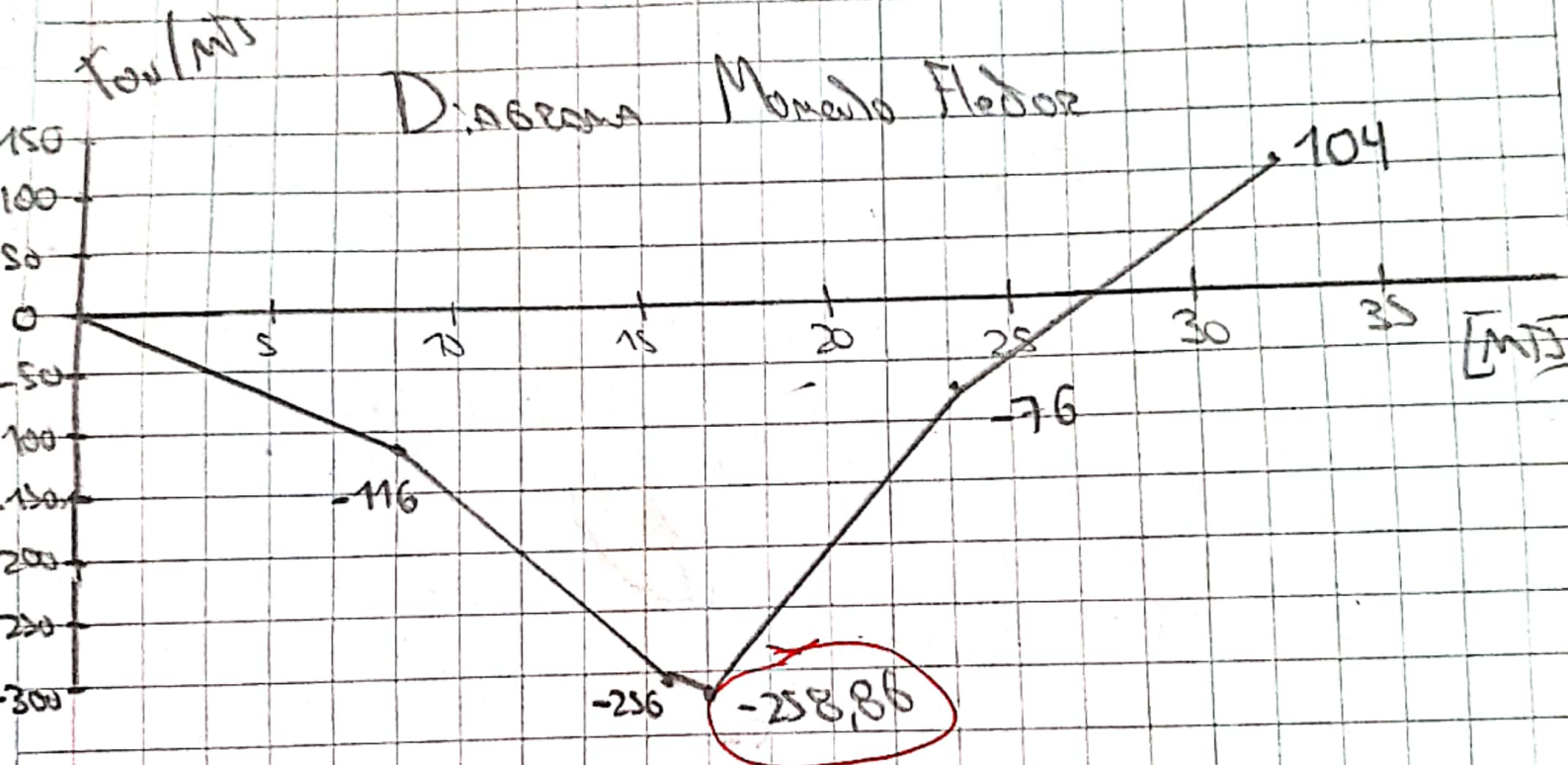


$$AT = \underbrace{\left(\frac{29 \cdot 8}{2} \right)}_{A_1} + \underbrace{\left(\frac{(29-6) \cdot 8}{2} \right)}_{A_2} + \underbrace{(6 \cdot 8)}_{A_3} + \underbrace{\left(\frac{6 \cdot 0,950306642}{2} \right)}_{A_4}$$

$$AT = 258,85 \text{ (ton/mts)}$$

↳ MÁXIMO MOMENTO flector

MTS	0	8	16	16,95	24	32
F_{ou}/N	0	-116	-256	-258,85	-76	104



Respuestas.

- Posición máxima monedo flodoo: 16,95 MTS
- Magnitud máxima monedo flodoo: 258,85 F_{ou}/MTS
- Esfuerzo del buque: ADEU FO