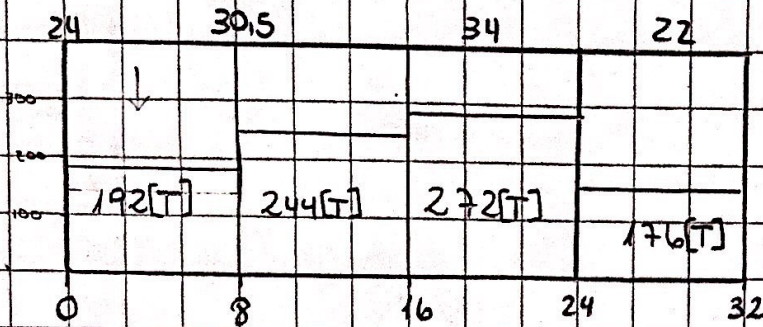


1- $\Delta = 352$



$$\Delta = \frac{352 [T]}{32 [m]} = 11 [T/m]$$

$$\Delta_{nuevo} = \frac{1236 [T]}{32 [m]} =$$

Carga [T/m]

$$0-8 \rightarrow (-11-24) + 38,625 = -3,625 [T/m] = 38,625 [T/m]$$

$$8-16 \rightarrow (-11-30,5) + 38,625 = -2,875 [T/m]$$

$$16-24 \rightarrow (-11-34) + 38,625 = -6,375 [T/m]$$

$$24-32 \rightarrow (-11-22) + 38,625 = 5,625 [T/m]$$

SF. (T)

$$@ 8 \rightarrow -3,625 [T/m] \cdot 8 [m] = 29 [T]$$

$$@ 16 \rightarrow -2,875 [T/m] \cdot 8 [m] = +29 [T] = 6 [T]$$

$$@ 24 \rightarrow -6,375 [T/m] \cdot 8 [m] = +6 [T] = -45 [T]$$

$$@ 32 \rightarrow 5,625 [T/m] \cdot 8 [m] = -45 [T] = 0$$

A1 $\rightarrow 8 [m] \times 29 [T] = 232 [T \cdot m] / 2 = 116 [T \cdot m]$

A2 $\rightarrow (23 [m] \times 8 [m]) / 2 = 92 [T \cdot m] + 8 [m] \times 6 [m] = 48 [T \cdot m]$

$$48 [T \cdot m] + 92 [T \cdot m] = 140 [T \cdot m]$$

A3 $\rightarrow (6 [m] \times 0,9503066 [m]) = 5,70183 [T \cdot m] / 2 =$

$$= 2,85091$$

A4 $\rightarrow 8 [m] \times -45 [m] / 2 = -180 [T \cdot m]$

B.M [T-M]

$$@ 8 \rightarrow 116,50 [T-M] - 180 [T-M]$$

$$@ 16 \rightarrow 256 [T-M]$$

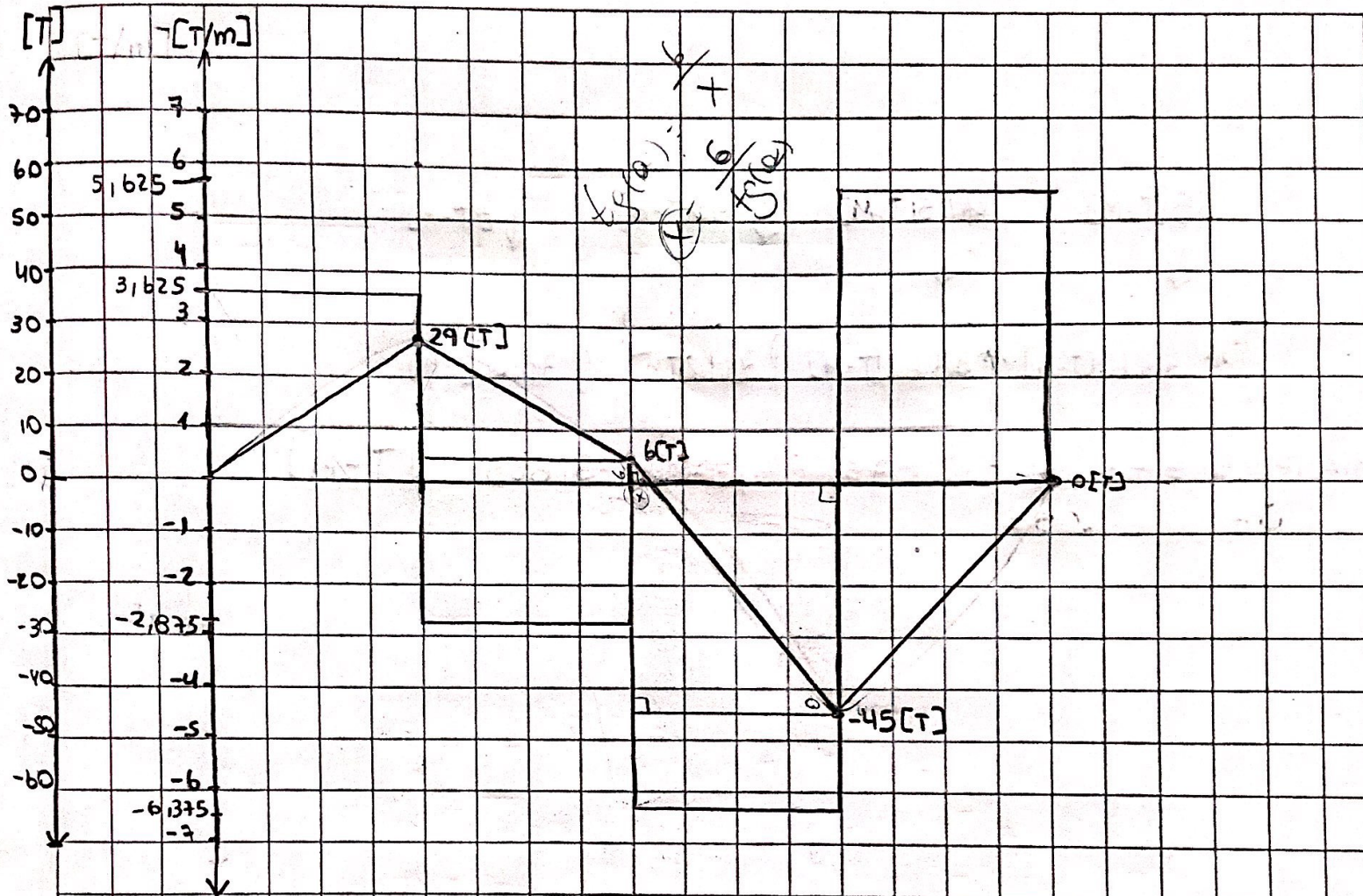
$$@ 24 \rightarrow 100,23 [T-M]$$

$$@ 32 \rightarrow -79,77 [T-M]$$

2/B-D

0,3 - X

Can cos tan cotg Jac cos.
CO VA CO CA Nip
Nip Nip FECHA: 1 VA 1 D



altura: $45 + 6 = 51 [T]$

Base: $8 [T]$

$$Tg(\alpha) = \frac{b}{a} =$$

$$\alpha = \frac{+6}{Tg(81)}$$

$$\alpha = 0,950366$$

FECHA: . / /

35 [T-M]



41,5 [T-M]



45 [T-M]



35 [T-M]



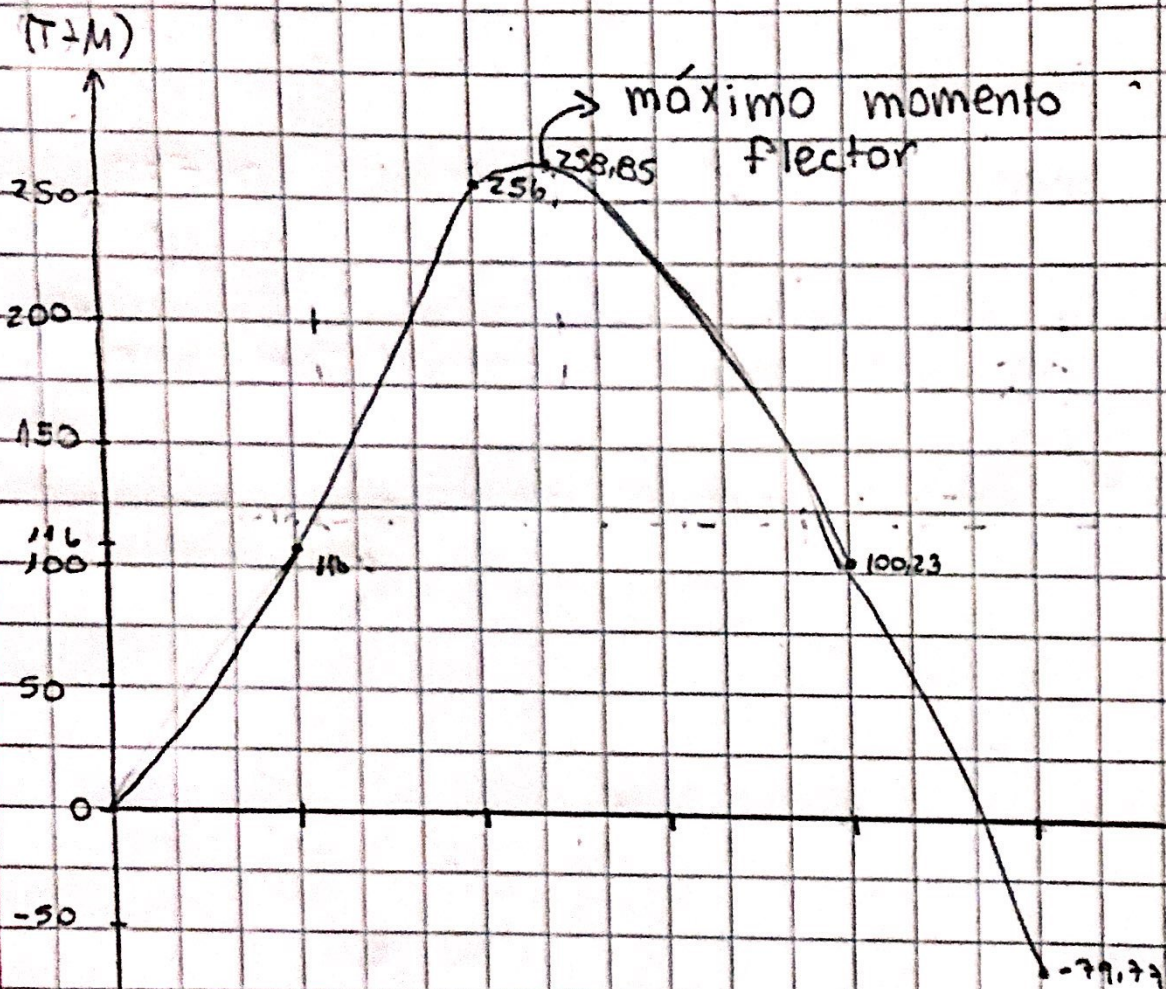
↑ 38,62 [T-M]

↑ 38,62 [T-M]

↑ 38,62 [T-M]

↑ 38,62 [T-M]

diferencias = -3,625 ; 2,875 ; 6,375 ; -5,625 [T-M]



- Esfuerzo : Arrufo

- Posición Máximo momento flector: 16.95 [mts]
- magnitud máx. momento flector: 258.85 [CT-M]