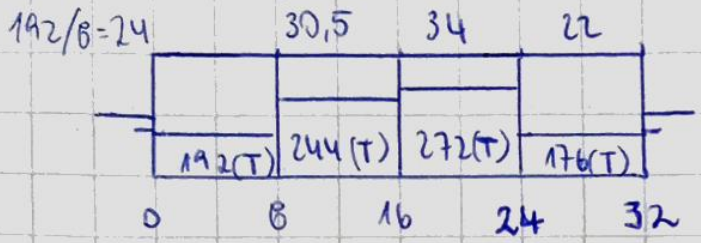
$\Delta = 352\,(T)$.

$\Delta = \frac{352\,(T)}{32\,(m)} = 11\,(T/m)$.

$\Delta_{nuevo} = \frac{1236\,(T)}{32\,(m)} = 38{,}625\,(T/m)$.



Carga (T/m)	
0 - 8	$\Rightarrow (-11-24)+38{,}625 = 3{,}625\,(T/m)$.
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	$\Rightarrow (-11-22)+38{,}625 = 5{,}625\,(T/m)$.

S. F (T)	
@ 8	$\Rightarrow (3{,}625 \cdot 8) = 29\,(T)$
@ 16	$\Rightarrow (-2{,}875 \cdot 8) = (-23)+29 = 6\,(T)$
@ 24	$\Rightarrow (-6{,}375 \cdot 8) = (-51)+6) = -45\,(T)$.
@ 32	$\Rightarrow (5{,}625 \cdot 8) = (45)-45 = 0\,(T)$

B. M (T-M)	
@ 8	$\Rightarrow 116\,(T-m)$
@ 16	$\Rightarrow 256\,(T-m)$
@ 24	$\Rightarrow 100{,}23\,(T-m)$
@ 32	$\Rightarrow -79{,}77\,(T-m)$

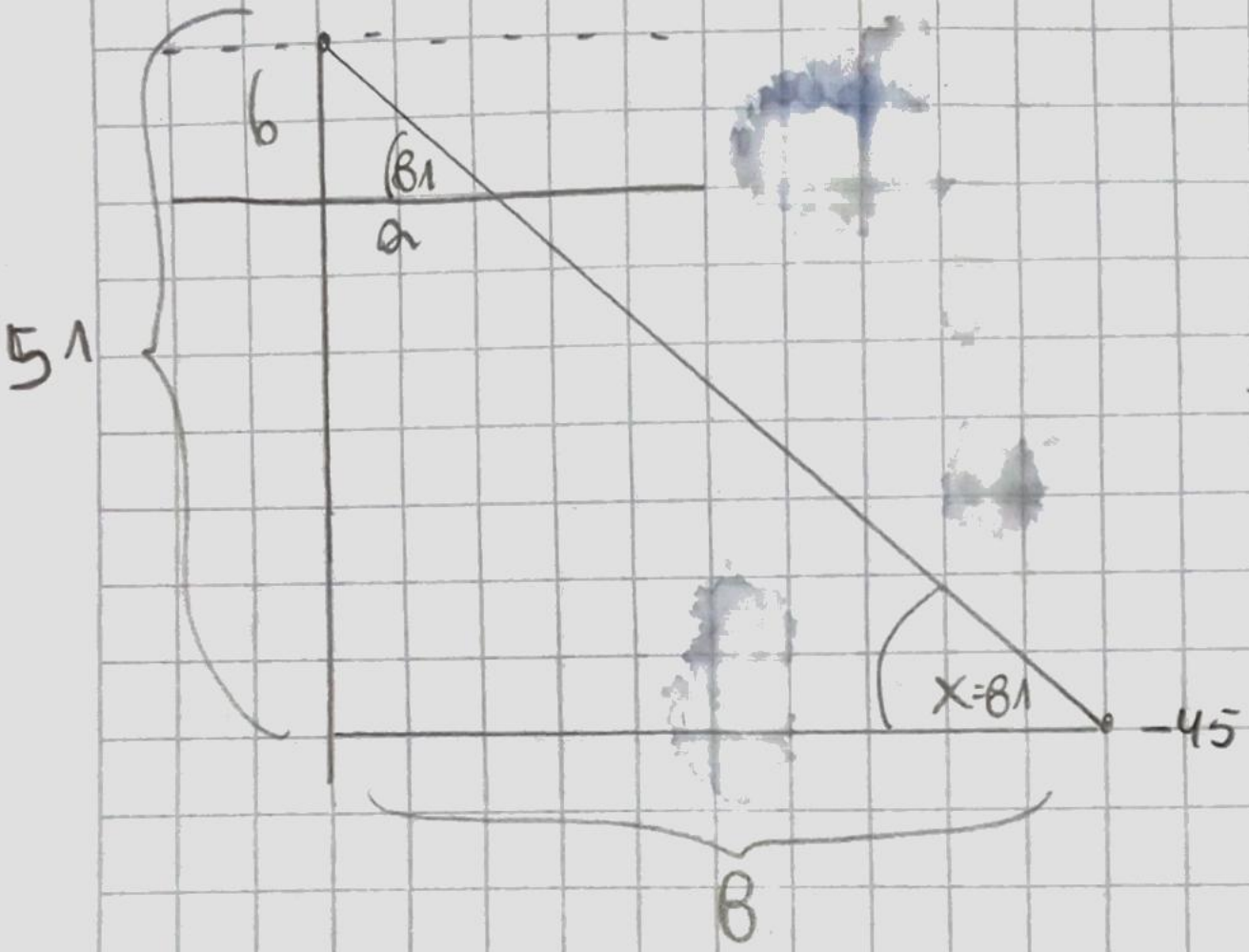
★ $A_1 = \frac{1}{2} \times 29 \times 8 = 116\,(T-m)$

★ $A_2 = (\frac{1}{2} \times 23 \times 8) + (6 \times 8) = 92+48 = 140\,(T-m)$.

★ $A_3 = \frac{1}{2} \times 6 \times 0{,}950306641\,9 = 2{,}851099253\,(T-m)$

★ $A_4 = \frac{1}{2} \times (-45) \times 7{,}049693358 = -158{,}62\,(T-m)$

★ $A_5 = \frac{1}{2} \times (-45) \times 8 = -180\,(T-m)$.



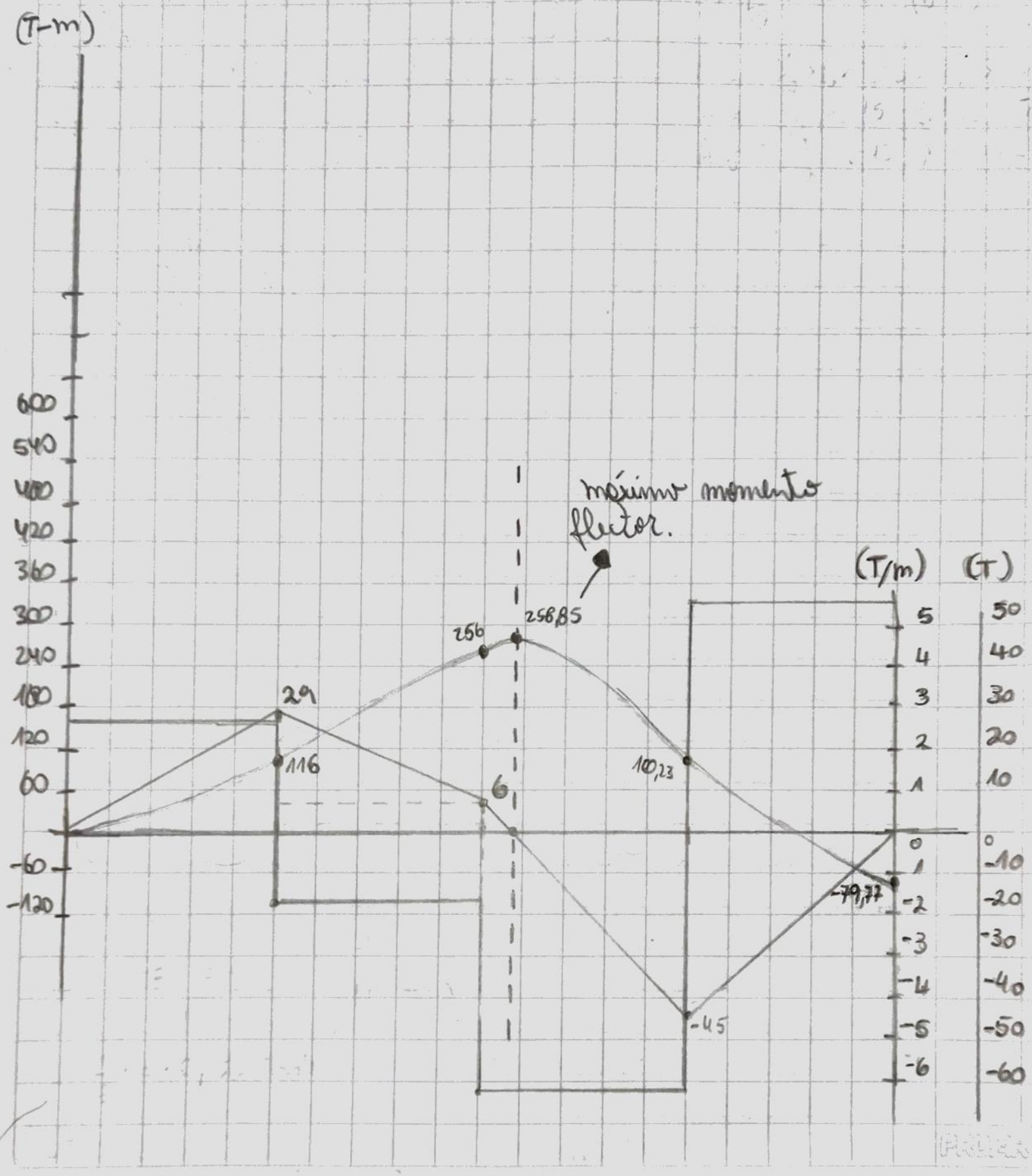
$$tg(x) = \frac{51}{B}$$

$$x = 81°$$

$$tg(B1) = \frac{b}{a}$$

$$a = \frac{b}{tg(B1)}$$

$$a = 0{,}950306641\,9$$


(T-m)
600
540
480
420
360
300
240
180
120
60
-60
-120
máximo momento flector.
(T/m)
(T)
5
4
3
2
1
0
1
-2
-3
-4
-5
-6
50
40
30
20
10
0
-10
-20
-30
-40
-50
-60
256
258,85
29
116
6
10,23
-79,77
-45

* Máximo momento flector => 258,85 (T-m)
* Esfuerzo => Acuerdo.