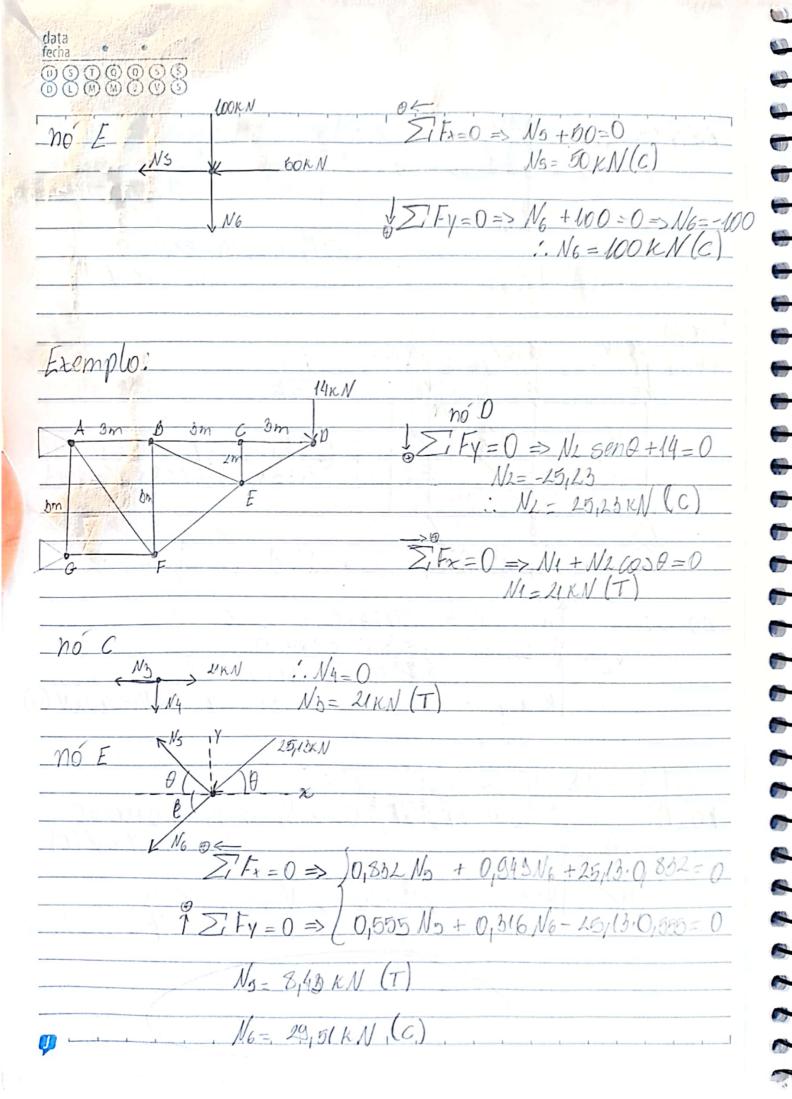
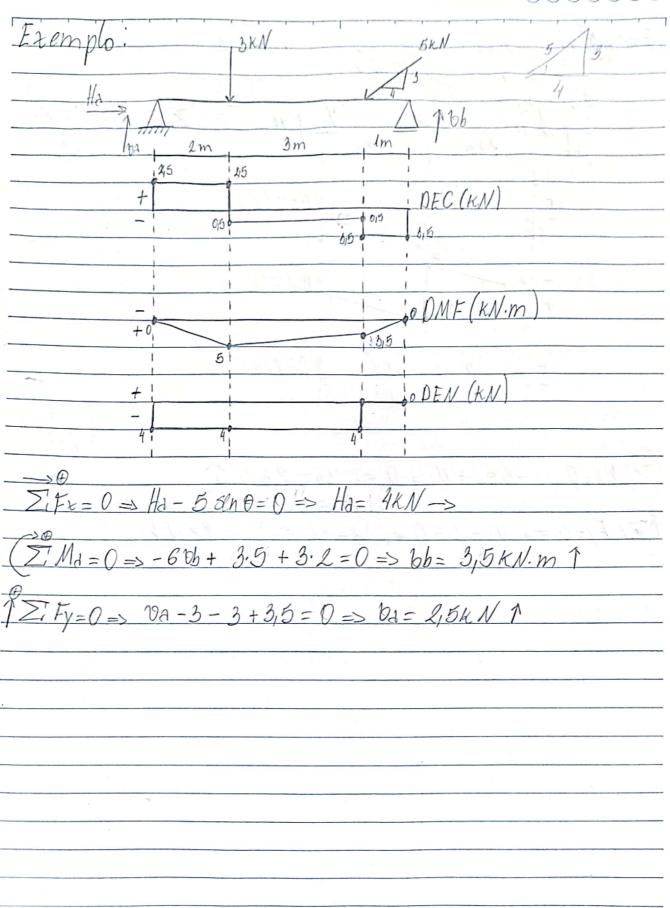
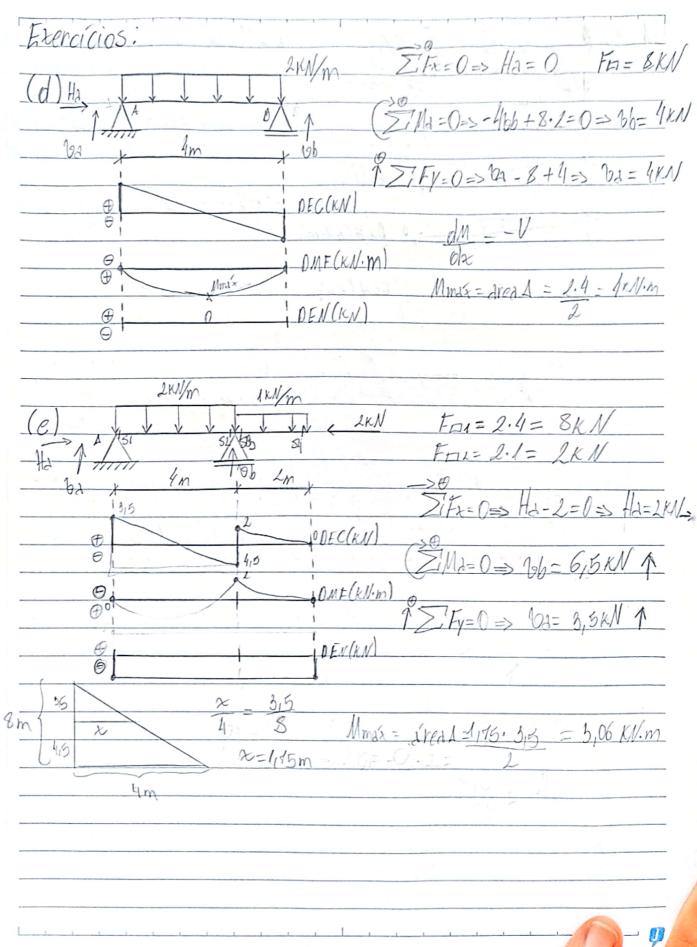
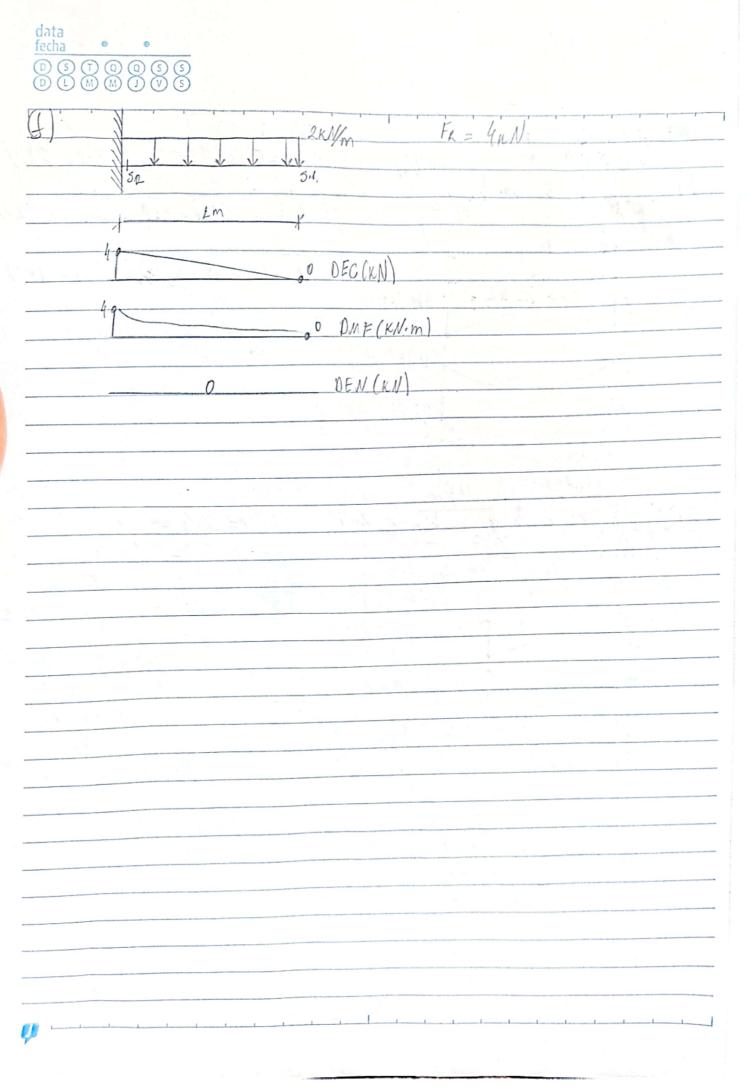


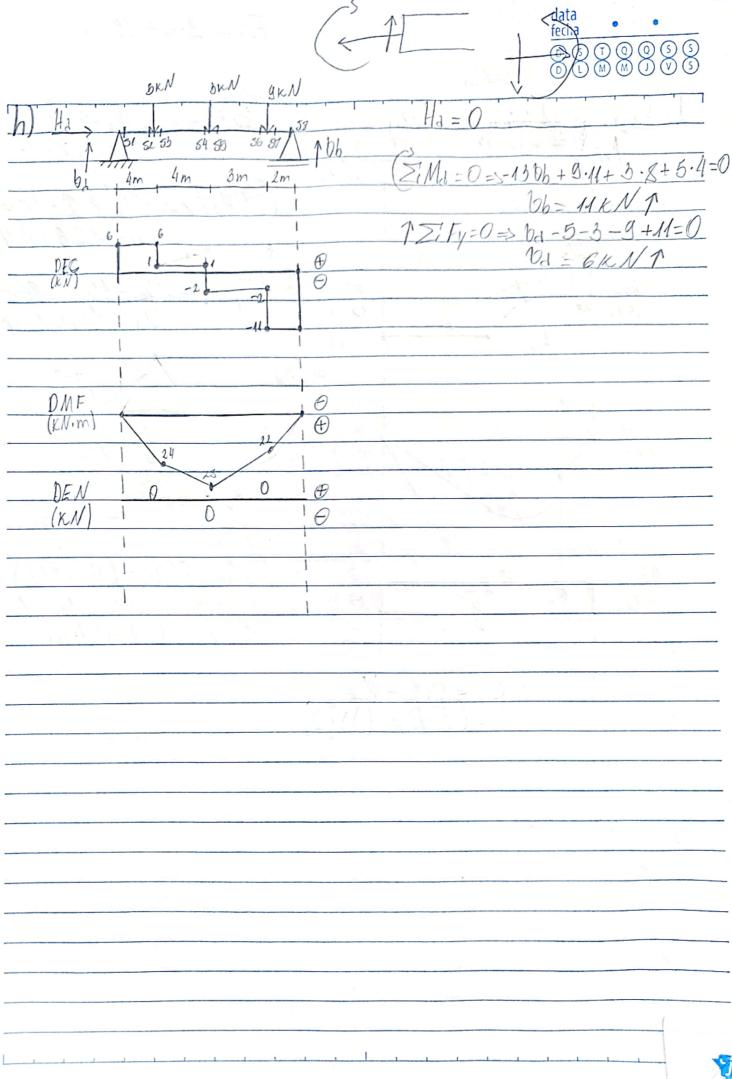
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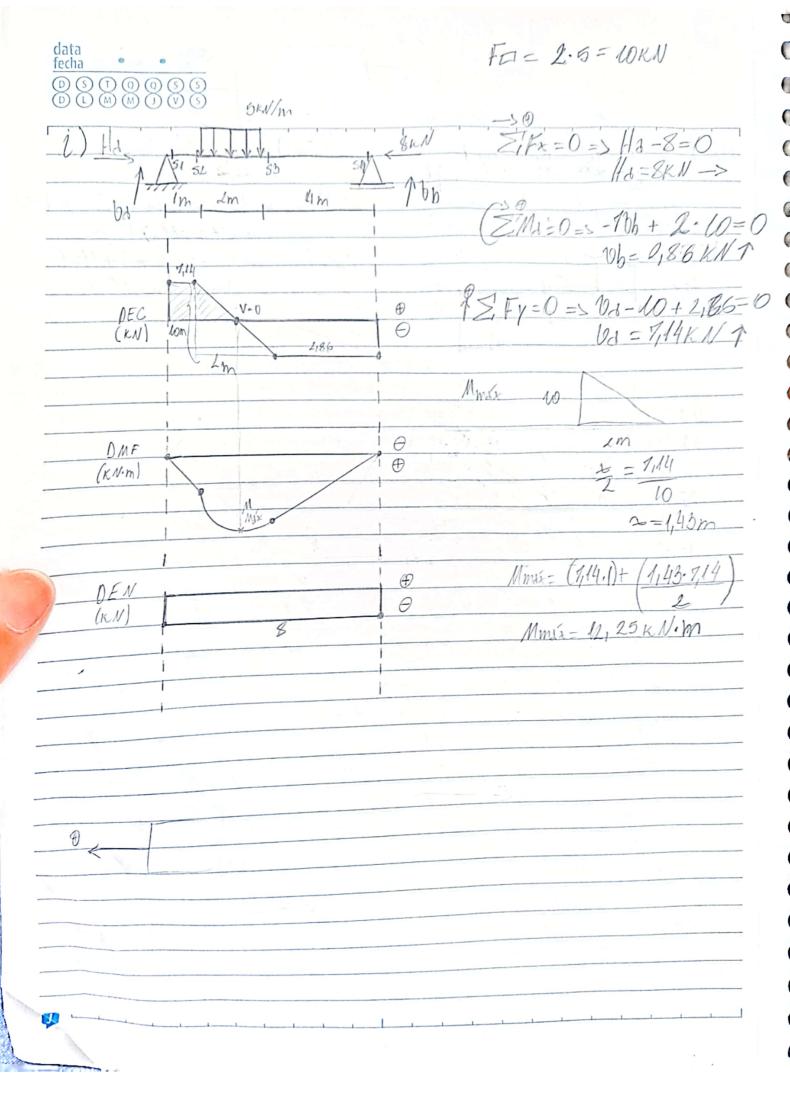


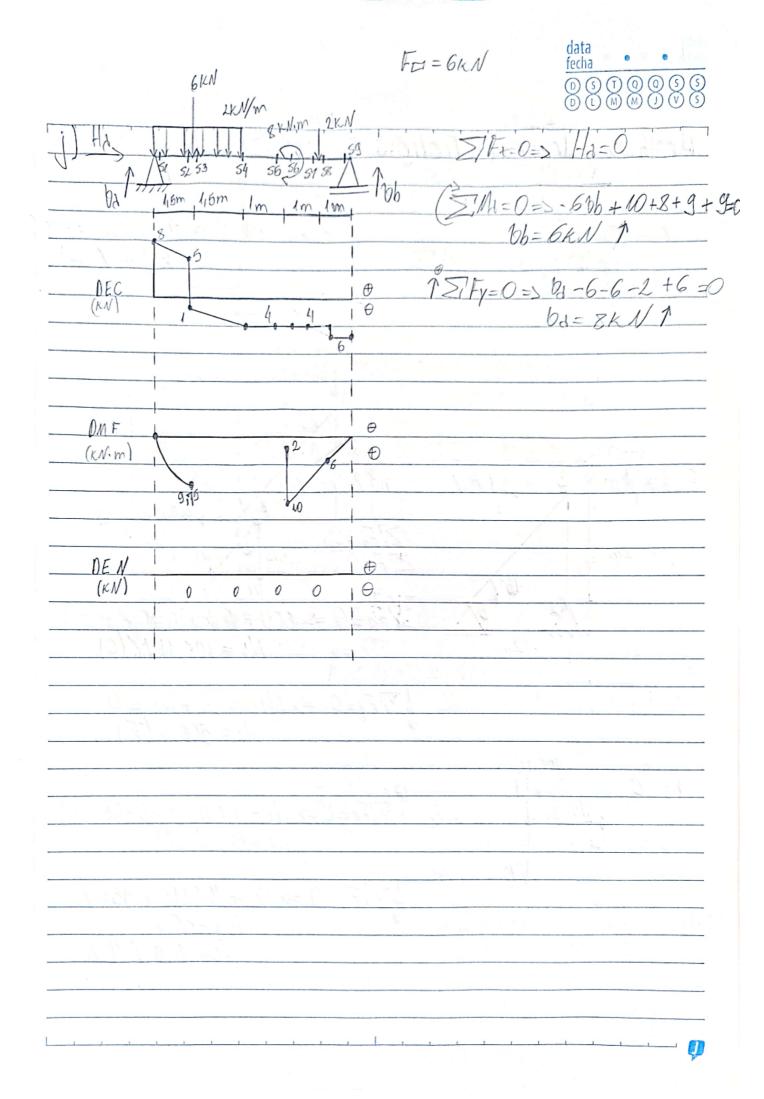


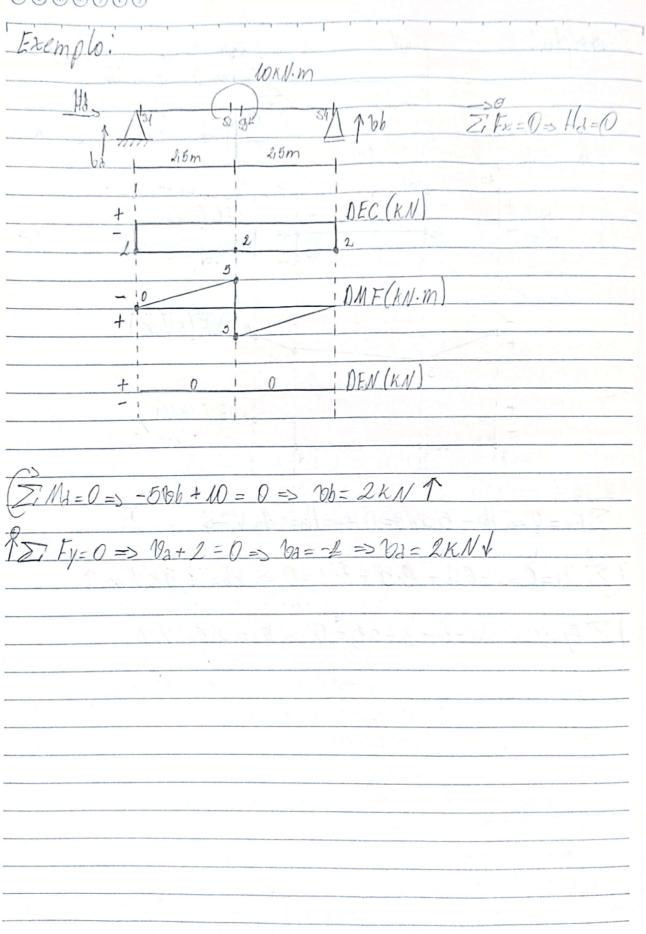












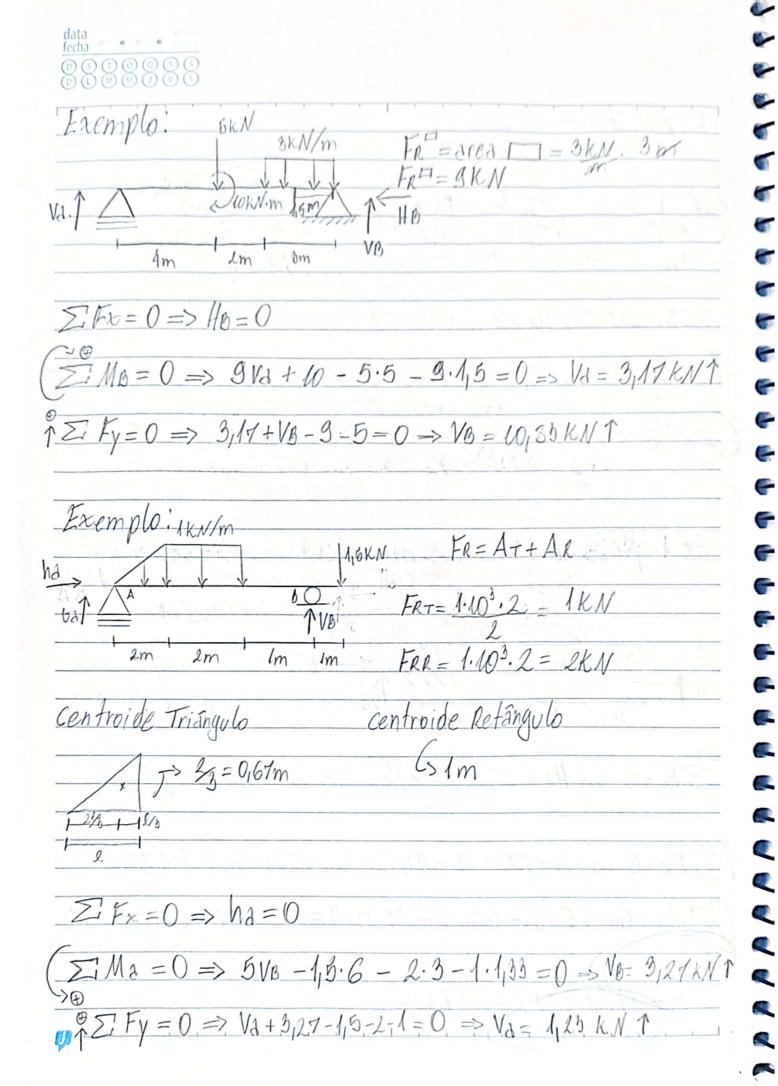
Exemplo:	first free
- lokWM	1 1
VB FA = WKN . BY =	50KN
TX Um	
$\sum_{i} F_{x} = 0$	
$\begin{cases} \sum_{i} F_{i} = 0 \\ \sum_{i} M = 0 \end{cases}$	
V_{A} om $Z_{i}M=0$	200
usando:	1-
$5en \theta = \frac{4}{5} = 0.8$ $Fy = Fx \cos \theta = 50.06 = 30 kN$	00 3
$\cos \theta = 3g = 96$ $F_{x} = F_{R} \sin \theta = 50.08 = 40 \text{ kN}$	0.2.12
	-
$\sum F_{K}=0 \Rightarrow H_{0}+F_{X}=0 \Rightarrow H_{0}=-40KN \Rightarrow H_{0}=40$	
$\sum M_{a} = 0 \Rightarrow -V_{0.3} + 50.25 = 0 \Rightarrow V_{0} = 41.67 \text{ KN}$	1
$\mathcal{E}_{\Sigma'Fy} = 0 \Rightarrow V_{d} - 30 + V_{b} = 0 \Rightarrow V_{d} = 30 - 41,67 \Rightarrow 1$	11 = -11,67
1/4 = 0 = 1 = 0 = 1 = 0 1/4 = 0	11.67 KN 1
The same of the sa	MA THOU
	J
And the second s	
	and the second
A 1/11/28 20-22 1 - 1 - 1/11/2	
7-12-19/15	
Sign of the state	

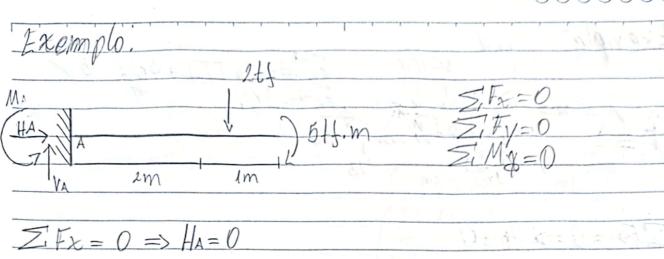
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-

1





$$S_{\oplus} = 0 \Rightarrow Ma - 5 - 2.2 = 0 \Rightarrow Ma = 9 + f.m G$$

Exemplo:

$$y = 50 \text{ sen } 60 = 43,30$$
 $x = 60 \text{ cos } 60 = 25$
 $y = 60 \text{ sen } 60 = 25$
 $y = 60 \text{ sen } 60 = 25$

HB 136mm 100mm

 $F_{x}=0 \Rightarrow -H_{B}+T_{X}=0$ HB = Tz => HB = T805 75 HO=34,62

15/Fy=0=>-G1-G2+Ty+VB=0=> Tsen 15+VB = 32 10=-97,22=97,2211

EM = 0 => (TSENTS)65 - 20.300 - 12.200=0 T= 103, 18 N