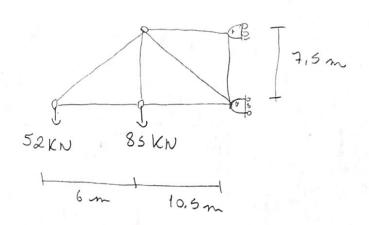
Priona 4- Mec 3

Valero Potrício do silve Aconterio

7/



$$A = 1600 \, \text{mm}^2 = 0,0016 \, \text{m}^2$$

 $E = 2006 \, \text{fa} = 200 \, 10^6 \, \text{km/m}^2$

1) letilizances es metodos dos nos

$$\Theta_{A} = 73^{-1} \left(\frac{7.5}{6} \right)$$
 $\Theta_{A} = 0,89 = 51,34$

$$\Theta_{p} = \frac{7}{9}^{-1} \left(\frac{7}{10,5} \right)$$
 $\Theta_{p} = 0,62 = 35,54^{9}$

SEFX=0

NAB-P+NAC-COSOA=0

EFY=0 -52 + NAC. Sen OA = 0

7,5

~> ET x=0

- NAB- (0) OA + NCG + NCD . CO 00 = 0

1) Em D

EFX=0

-NBD-NCD-USOB-BX=0

Finally EFY = ON WORLD PROMISE

NED + NCD · Son Op= 0

~> Con E EFx=0

- Ex - NCB = 0

E Fy=0 - Ey - NED=0

Henris que :

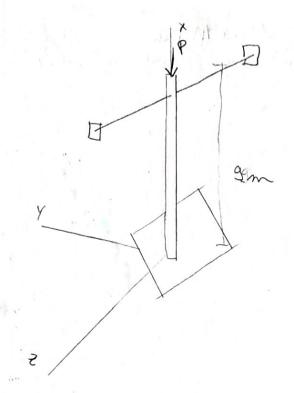
Ex = 233,4 kN(->) Ey = 137 kN (1) Dx = P + 233,46

treeho	N(KN)	2 m/2p	N (p/p=0)	2 (m)
AB	_ P-41,6	- 1	-41,6	6
AC	66,55	b	66,55	9,6
CB	85	0	85	7,5
CE	233,4	0	233, 4	10,5
CP	- 235,70	0	- 233,70	12,9
BD	-P-41,6	_ 1	-41	10,5
	137	0	137	1,5
ED				6

2) les avols le terrens que costiglione

DA=01002145n

AA-2,145 mn poro o direito



Jack = 250MPa E= 200 6Pa = 200.10° Pa == 128.10° m m = 1,28.10° m == 18,4.10° m m = 1,84.10° m Tz = 130 m m = 0,13 m Mf == 2

Per = 12.6. \$3 = 12.200.103.128.10

(K. 2) 2 (2.9) 2

Pcr = 779.8 20,59 N

3) Andiande we plane XZ, times que k=0,7

 $P_{cr} = \frac{N^2 \cdot \epsilon \cdot Jy}{(k L)^2 y} = \frac{N^2 \cdot 200 \cdot 10^3 \cdot 1.84 \cdot 10^{-5}}{(9 \cdot 0.7)^2}$

PCT= 915095, 59 N

lono Per In que ser o menor des doir, entor Per= 773820,53 N

>> tensor outice

 $Gautio-\frac{17^2 \cdot \xi}{(KL/17z)^2} = \frac{102960687,83}{(\frac{2\cdot 9}{0.13})^2} = 102,960687,83$ Pa

como o Pada alaces poi 250 MPa encentranos un vaolm > Ornite co ~ Solvenors que o & Ovitico P Z Pen X X n. PE 779820,59 P = 389 910,29 N) AND HELDER BEEN WARRED TO BE LINET LANCE CONCEPTION - Les Add Carsolis Carlot & The