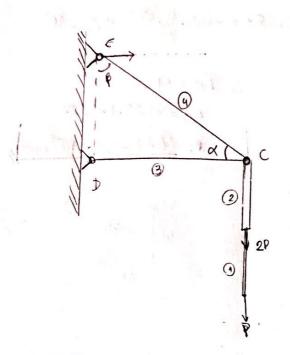
NOME: GIOVANA MOTA ASAO

Ass: Glovana Motal

R.A: 19.00910-8

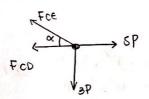


Plachar o x:

$$tg \propto = \frac{4x}{5x}$$

$$\alpha = 38,7°$$

a) equilíbrio de mó c:



SP-FCD-FCE. Wod = 0

FCD = 1,255 P

FOD = + 1/26 P (Trago)

Fce. sen x - 3P = 0

FCE = 4,798 P > FCE = +4,798 P (Trago)

Batra 1

Barra 3

Barra 2

Ny = 4,80 P

N3= 1,26P

N4= 4180P

D) Barra 1

P ≤ 360 ± 22° ≤ 3,5

7 4 41271,651 N : PK 41,272KN

Barra 2

: Prax = 41,272 KN

 $\frac{36}{36}$   $\leq \frac{380}{380}$ 

P & 73285,714 ... P473,286 KN

C) DLABC & DLABC

NALA + NELZ & 115

P. 1100 + 3P. 2.1100 207.103. 11/4.222 207.103.452 € 1,5

2,97.10-5 P < 1,5

P < 50463,31 N

P: P < 50, 463KN/

:. 
$$\Delta L = \frac{N \cdot L}{\epsilon \cdot A} = \frac{60 \cdot 10^3 \cdot 5 \cdot 1400}{207 \cdot 10^3 \cdot \frac{\pi}{4} \cdot 22^2} = 4.194 \text{ mm}$$

:. Et = 
$$-0.3 \cdot \frac{4.19}{5500} = -2.29 \cdot 10^{-4}$$

$$\Delta Lu = \frac{Nu.Lu}{E.Au} = \frac{250.10^8.3300}{270.10^8.\frac{\pi}{4}.44^2} = \frac{2.01 \text{ mm}}{2.01000}$$

