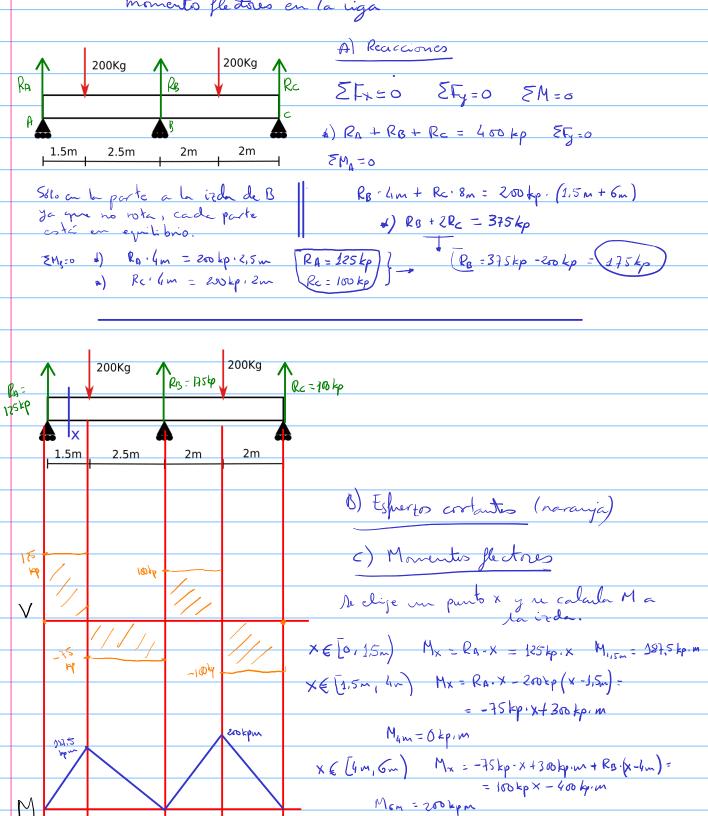
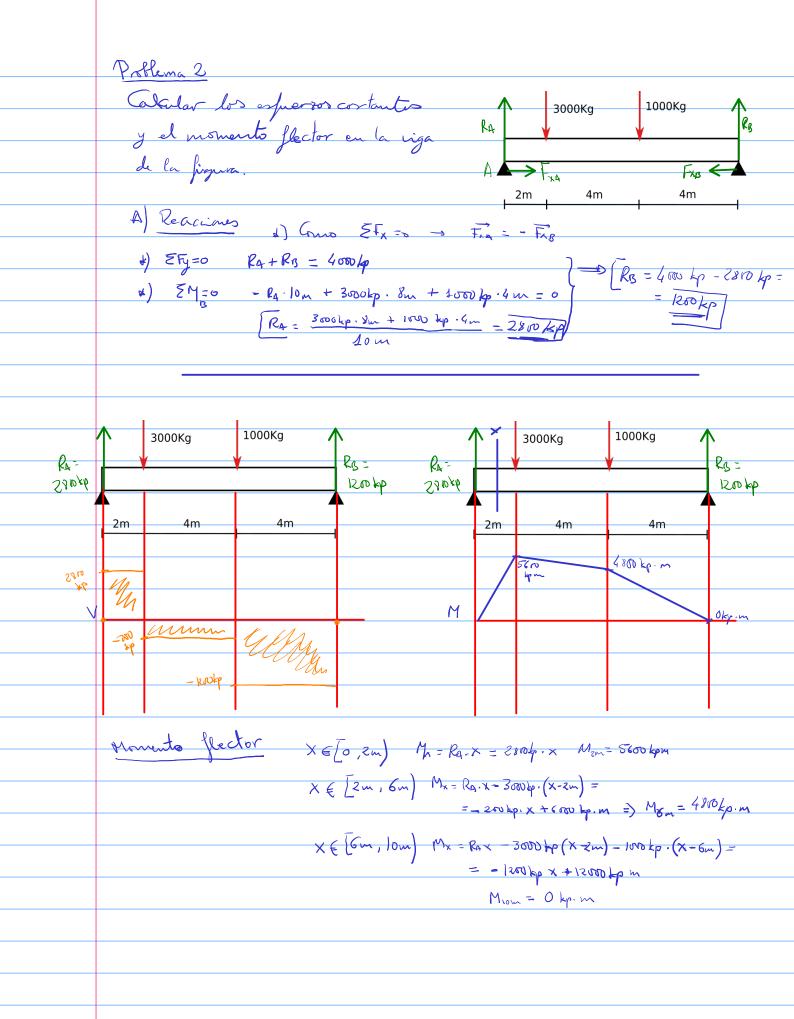
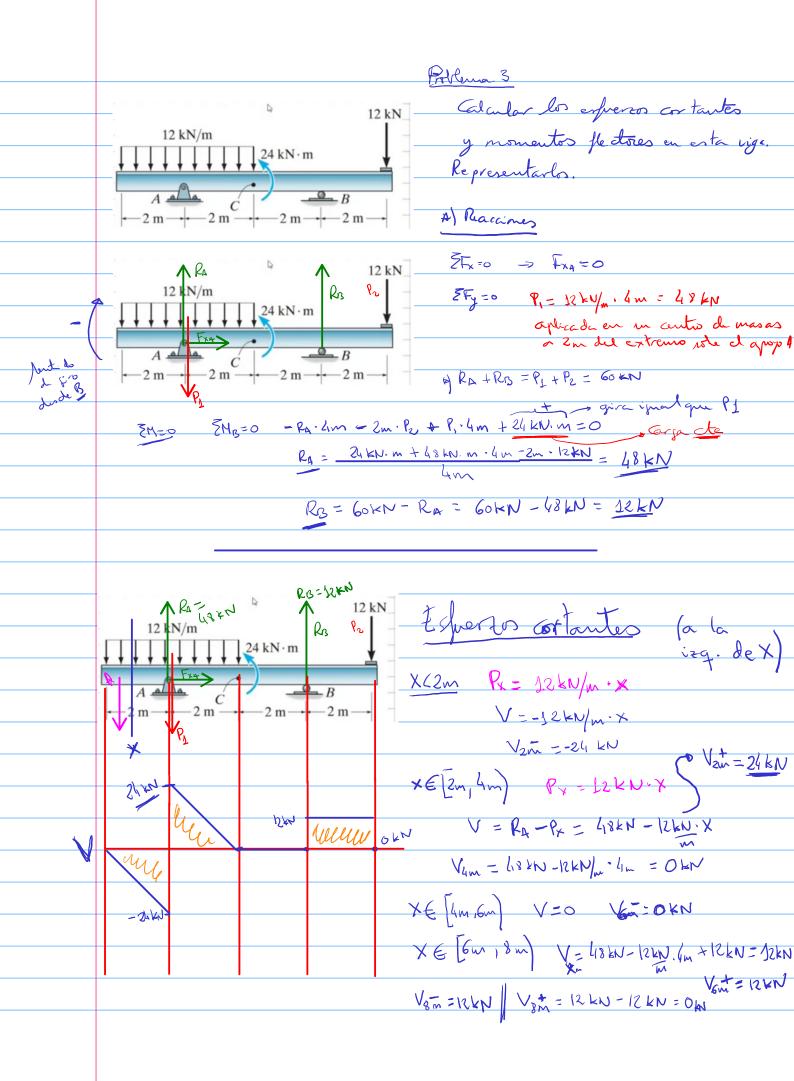
## Problema 1 Calcular las reacciones, el diagrama de asfuertos y de momento fle tores en la riga

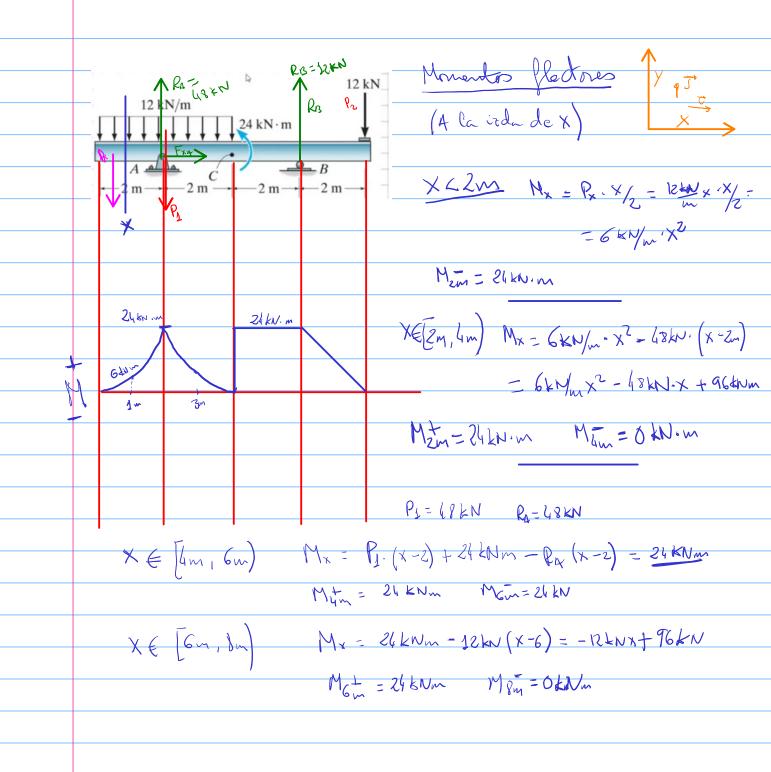


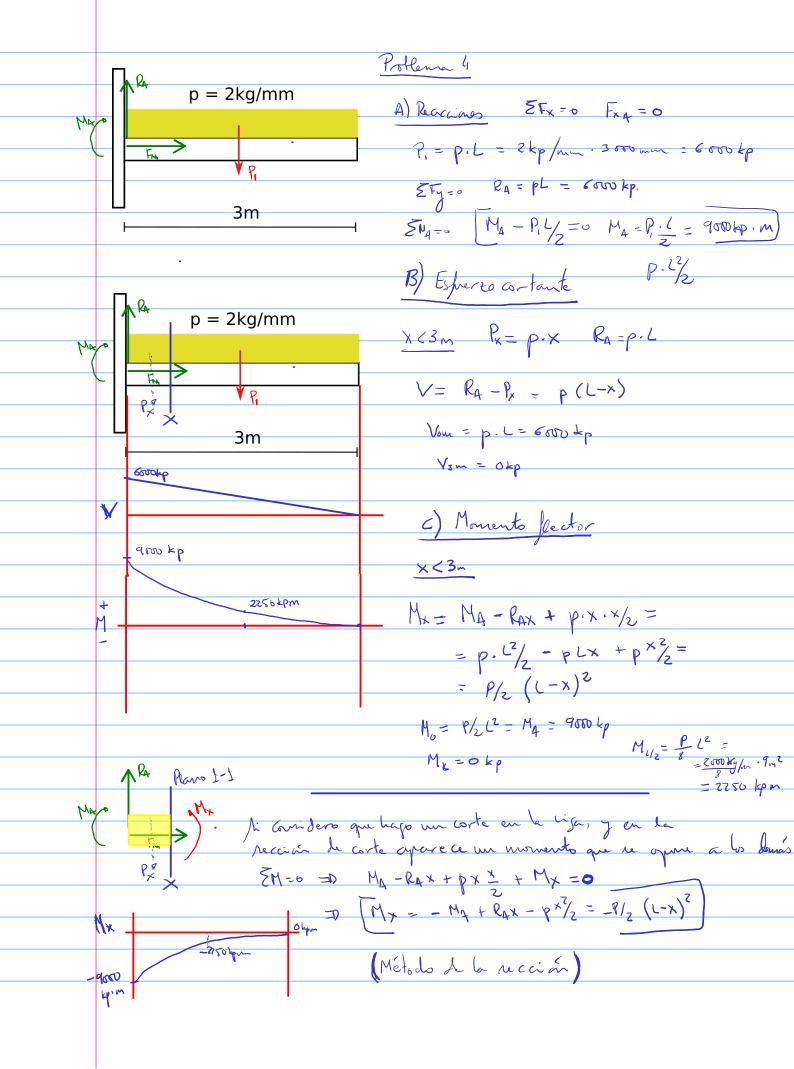
X € (6 m, 3 m) Mx = 100 kpx - 400 kpm - 200 hp (x-6m) =

= -100tpx+804pm M8m=04pm

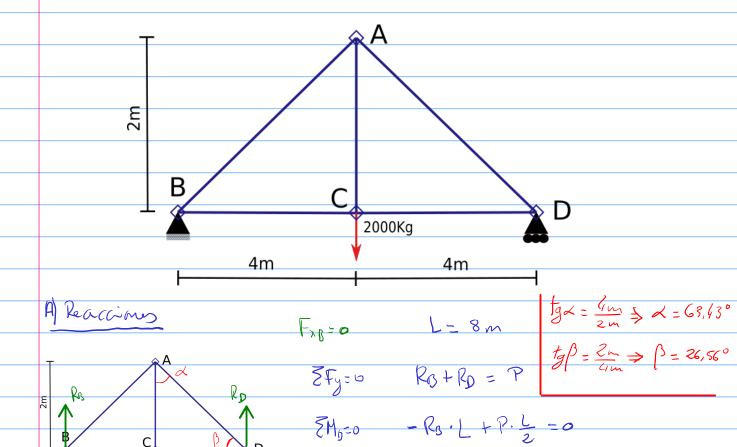








## Problema 5 Estructuras. Calcular los espersos en las barras

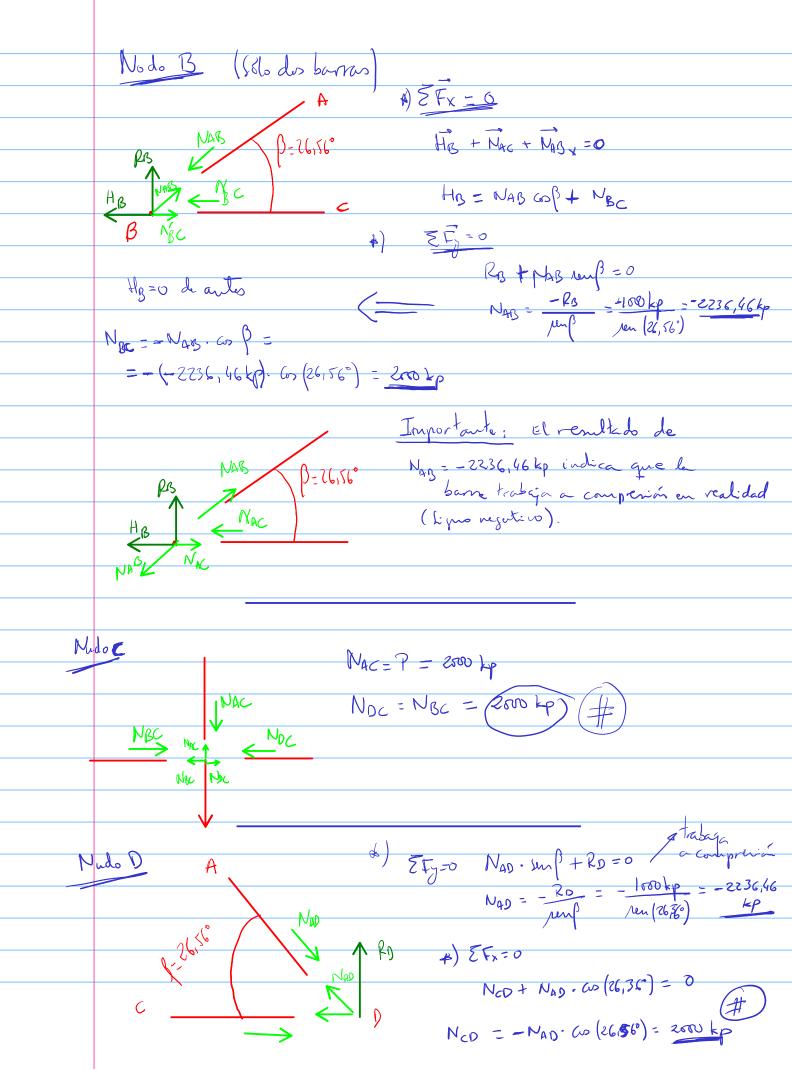


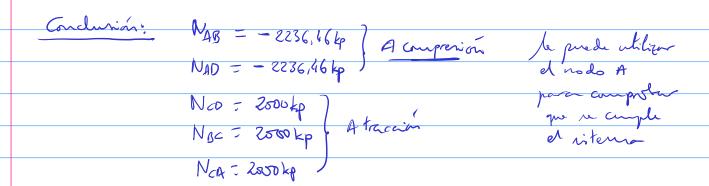
Rs = 1000 kp RD = 1500 kp.

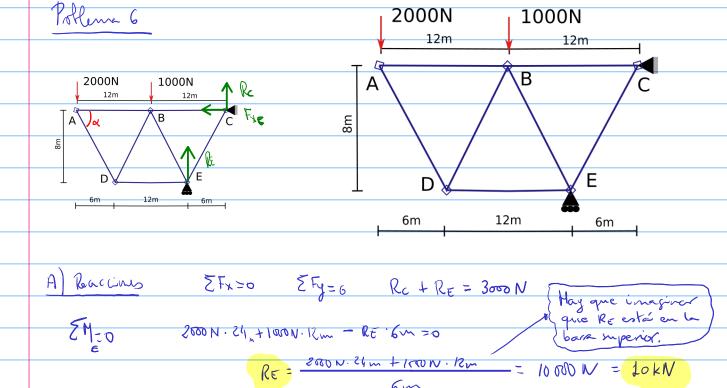
Ro = P/2 Ro = P/2

B) "Bompo" la estructura. En cada nodo disigo los tensines a las que está sometido. Como no permito momentos flectines, no tengo caracianes de momento. As lo en presas en ambos ejes.

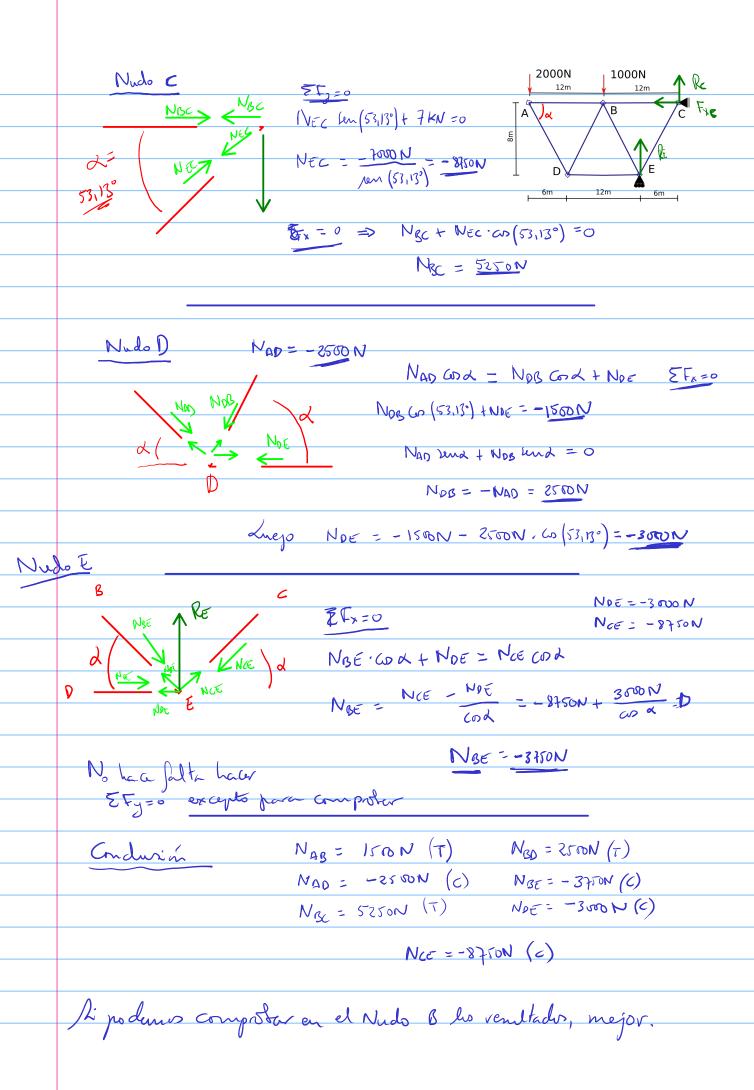
4) Conidero que todas las barros están sumetidas a tración.
Ai estucieram a compresión, saldría regativo.



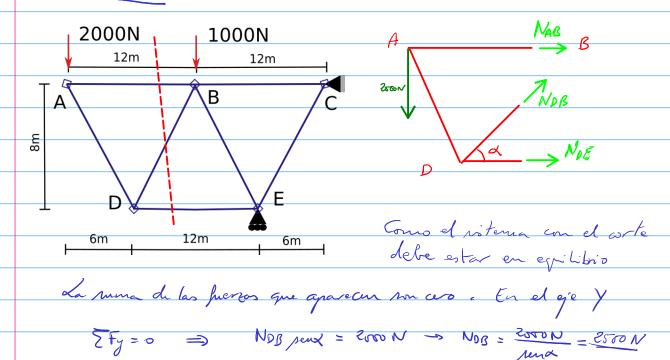




Rc = -700 N



Problema 7



En este notema +5 puedo aplicar EN=0

Desde el purto A EM4=0 Nov. 8m + Nos. 8m. Gs X+
Nos 6m max

 $M_{Nge} = \Gamma \Lambda F = (6 \overline{c} - 8 \overline{f}) \Lambda \times N_{SE} \overline{c} = (-8 \times N_{SE}) K^{2}$ 

Ex=0 NAB + NDE + NDB COX = 0

NAB = - NDE - NDB COL = 3000 N- 2500 CO (53,130) = 1500 N

## Pollema 8

