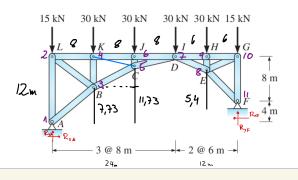
P6.31. For the arch rib to be funicular for the dead loads shown, establish the elevation of the lower chord joints B, C, and E.

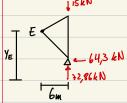


$$\sum H_{\star} = R_{\star \neq} \cdot 4 + R_{\star \neq} \cdot 36 = 2880$$

Resolviendo el sistema de ecvaciones:

RxA = 6 L	1,3 EN
RyA = 77	
Rx = 6	
Ry= 7	





$$\sum M_{D} = 0 \Rightarrow (72,86-15) \cdot 6 - 64,3 \cdot y_{E} = 0 \Rightarrow y_{E} = 5,4 \text{ m}$$
= 64,3 6N

Node B



Node C

Cálculo de estuerzos axiales

Nodo A a= 44,017

