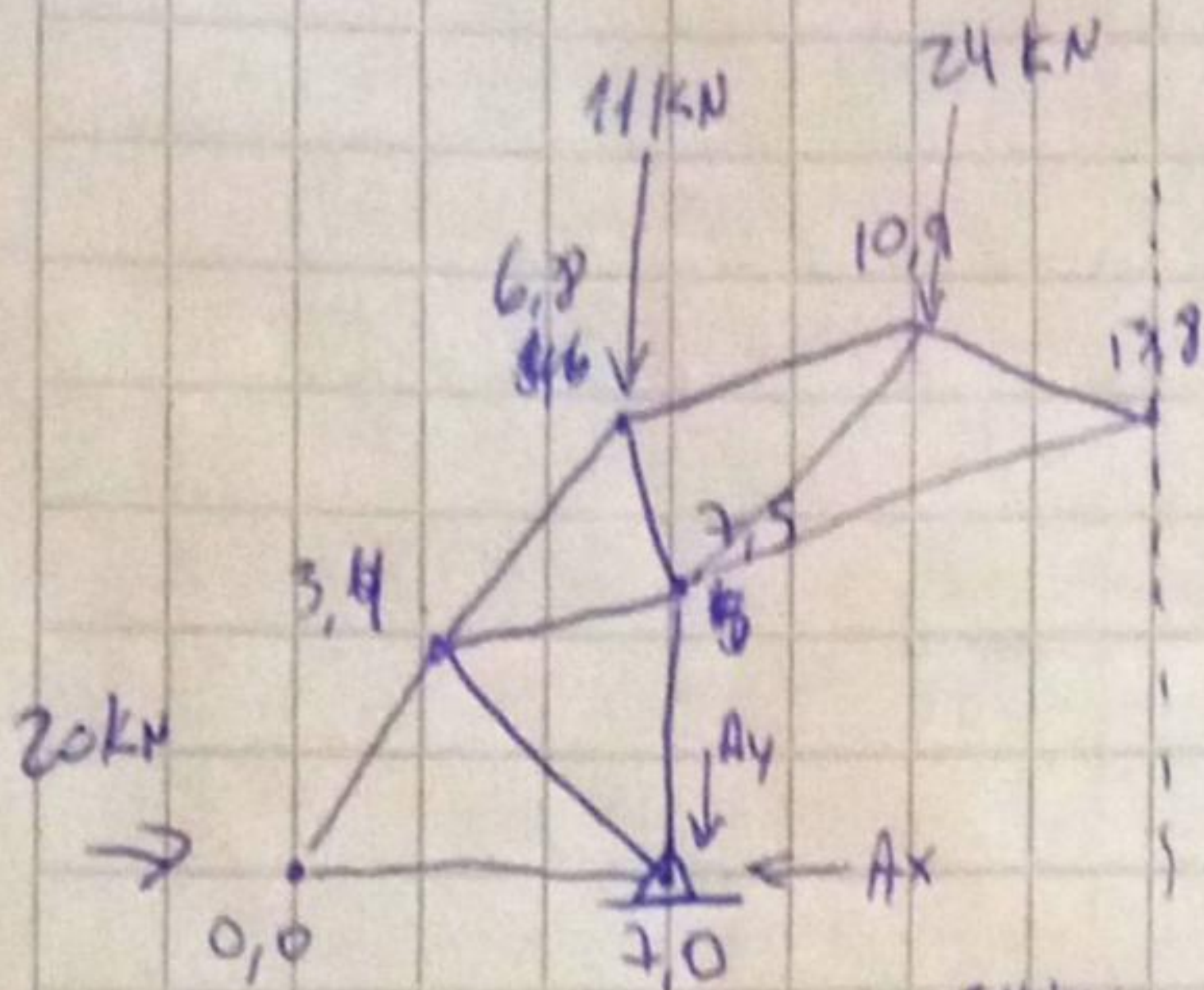
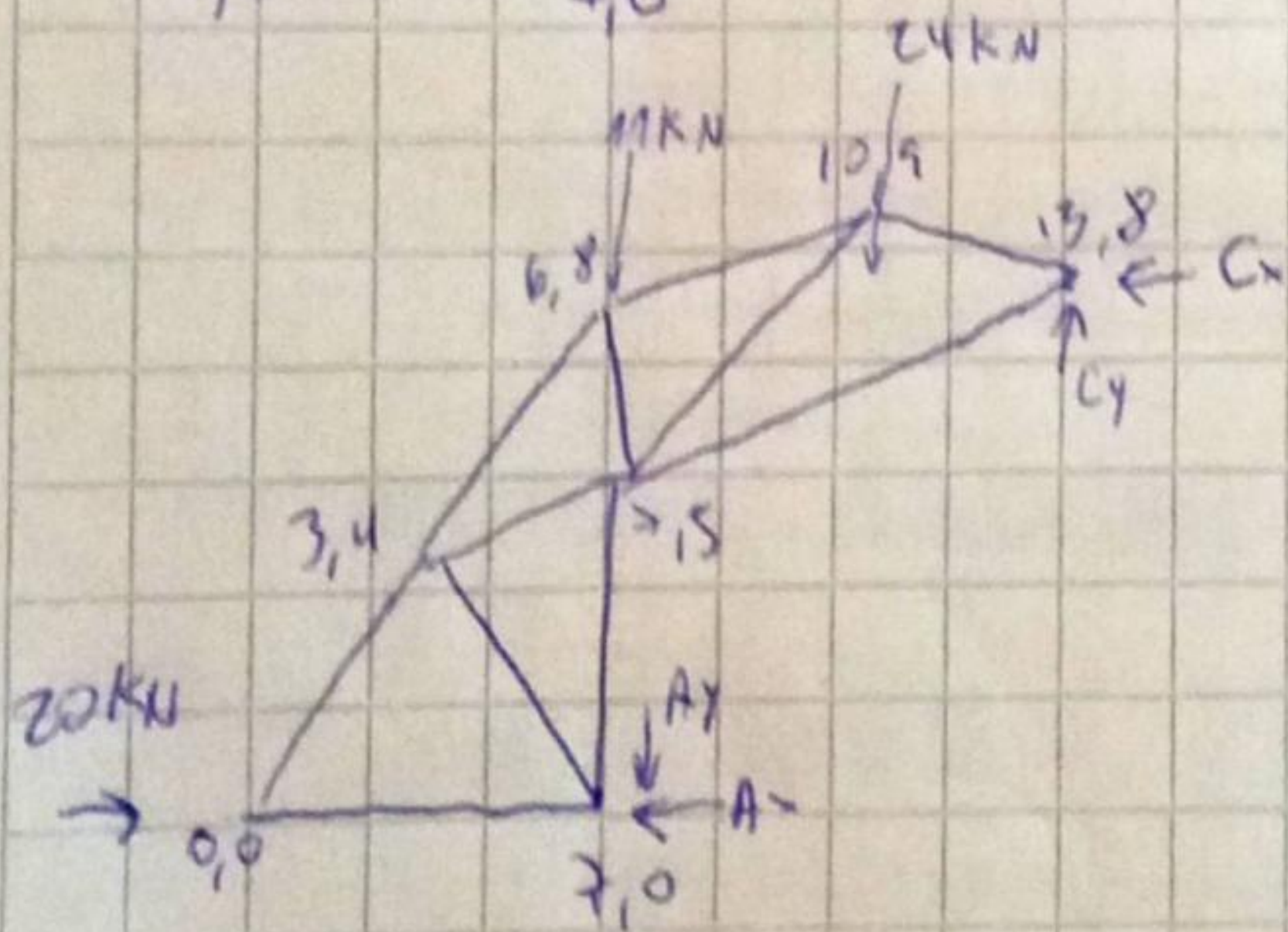


Prueba 2  
Pregunta 2

Vicente Gama



SIMÉTRICO



$$\sum M_C = 0$$

$$-11 \cdot 8 + 6 \cdot C_x + 35 \cdot 9 = 0$$

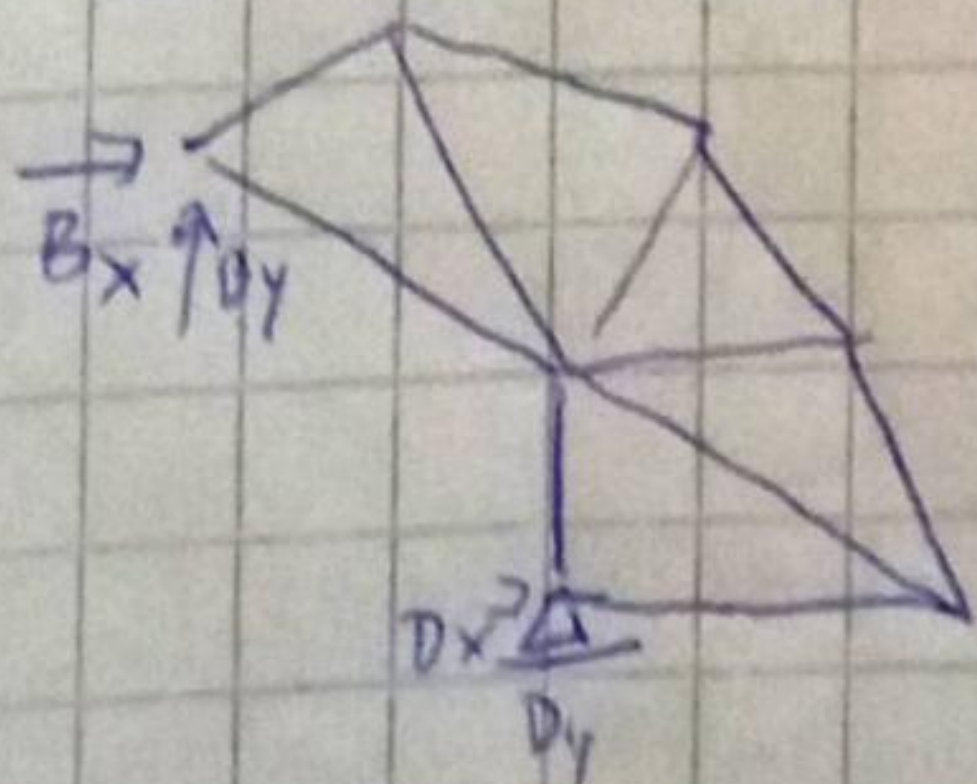
$$-88 + 6C_x + 315 = 0$$

$$C_x = 67,16$$

$$A_x = C_x = 67,16$$

$$C_y = 0$$

El otro lado



$$\sum M_B = 0$$

$$+11 \cdot 8 + 6 \cdot B_x + 35 \cdot 9 = 0$$

$$6B_x = -403$$

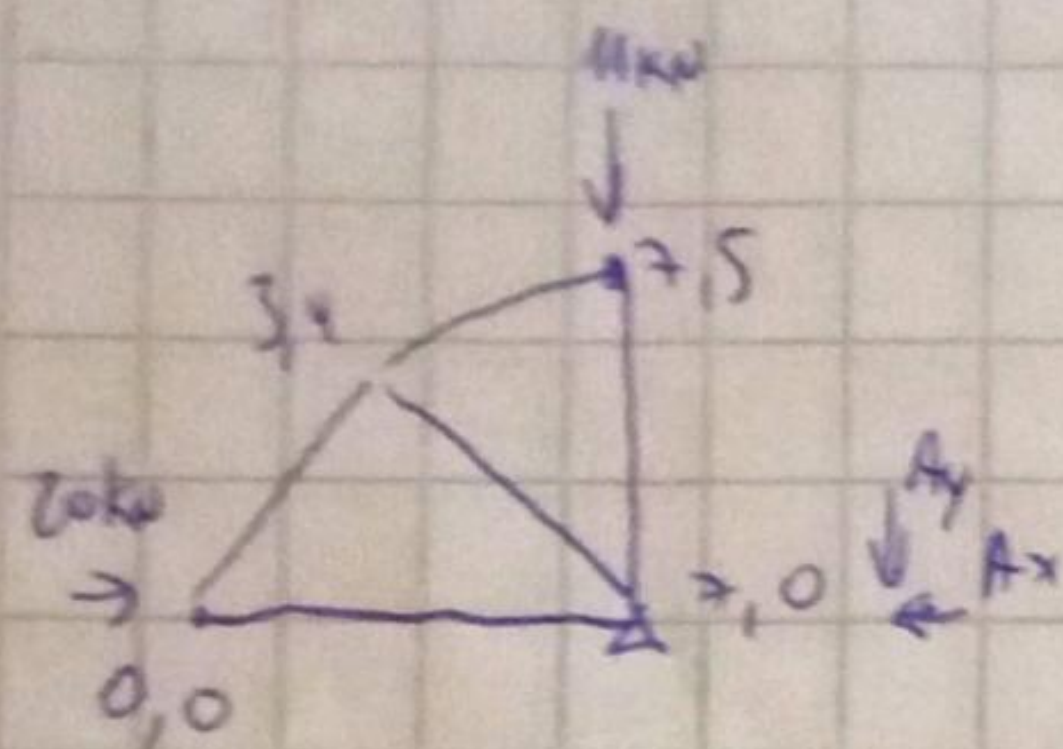
$$B_x = -67,16$$

$$D_x = B_x = -67,16$$

$$B_y = 0$$



Esfuerzo Axial Barra GB



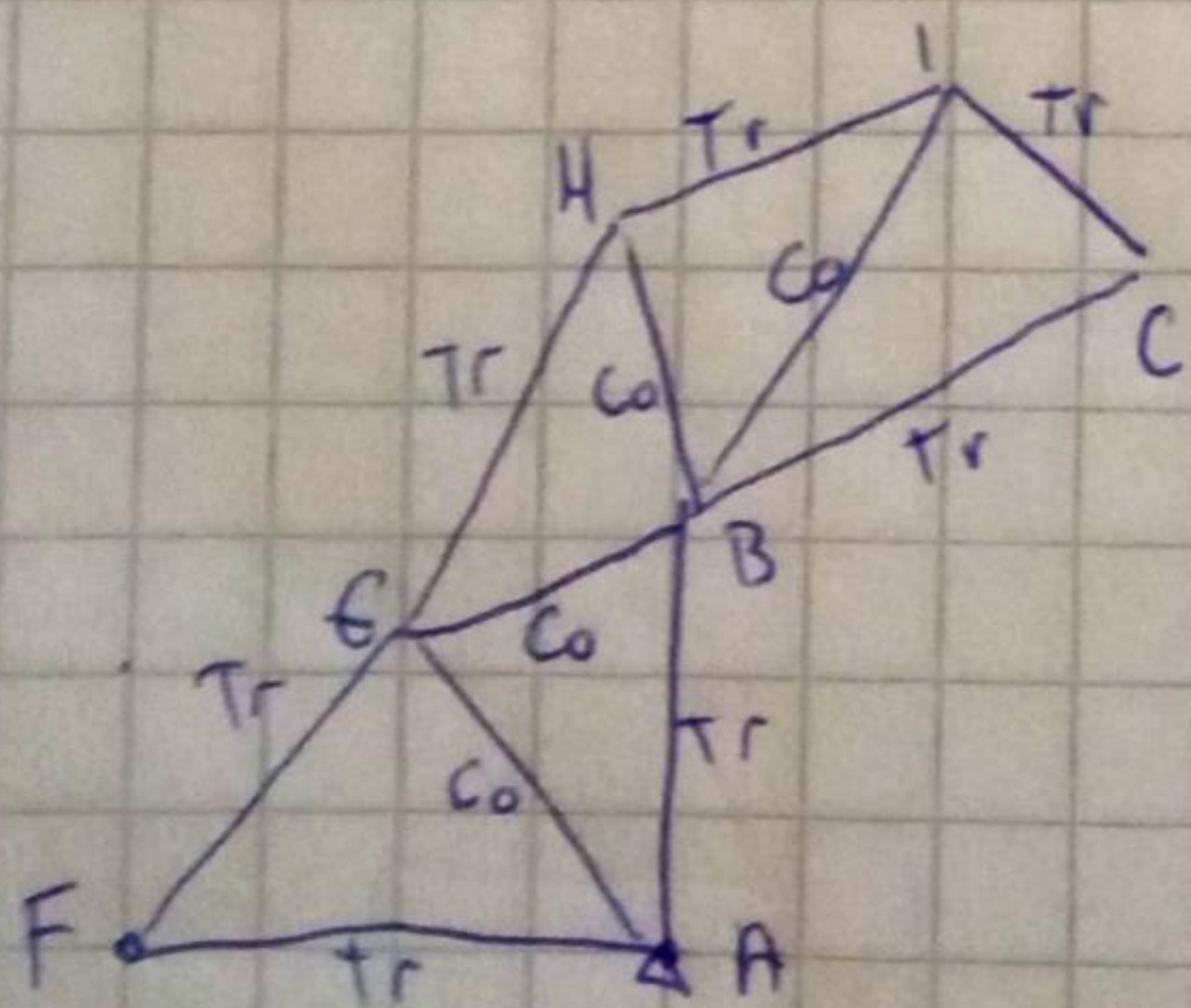
Supongo que  $\sum M_B = 0$  y  $\sum F = 0$   
y luego

calculo  $M_A \Rightarrow -11 \cdot 5 + 20 \cdot \frac{11}{20} - A_x = 0$   
 $-55 + 110 - 67,16 = M_A$

Esf. Axial GB = 17,84 kN

Diagrama Esfuerzos Axiales

→ Al ser simétrico dibujaré solo el lado izq



Tr = Tensión  
Co = Compresión

Tr = FA, FG, AB, GN, HI, IC, BC  
Co = AG, GB, BH, BI