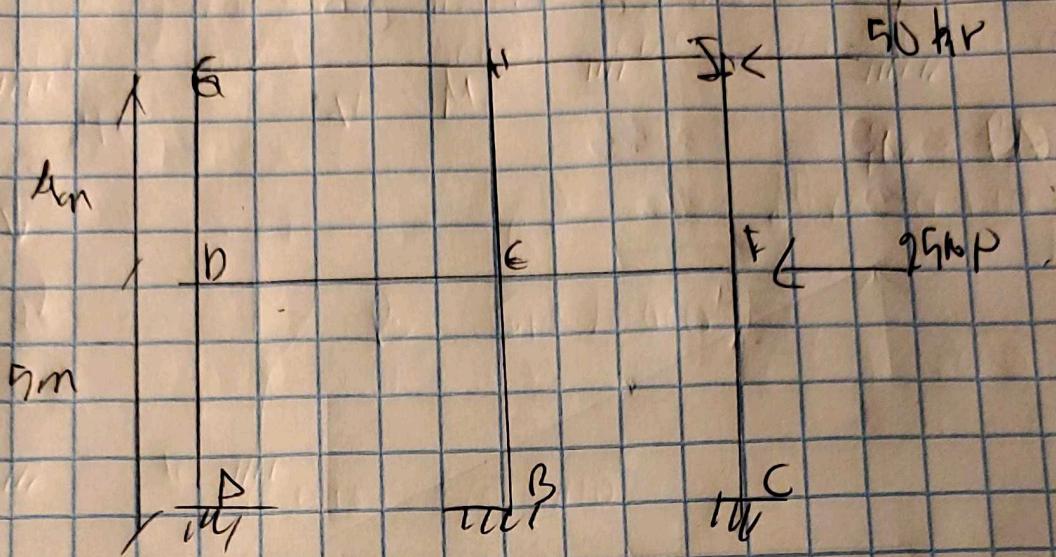
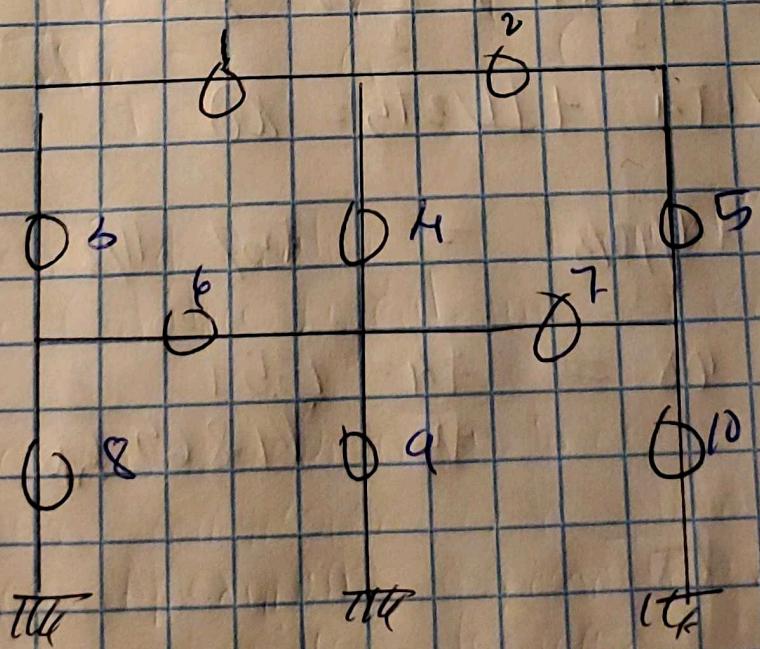


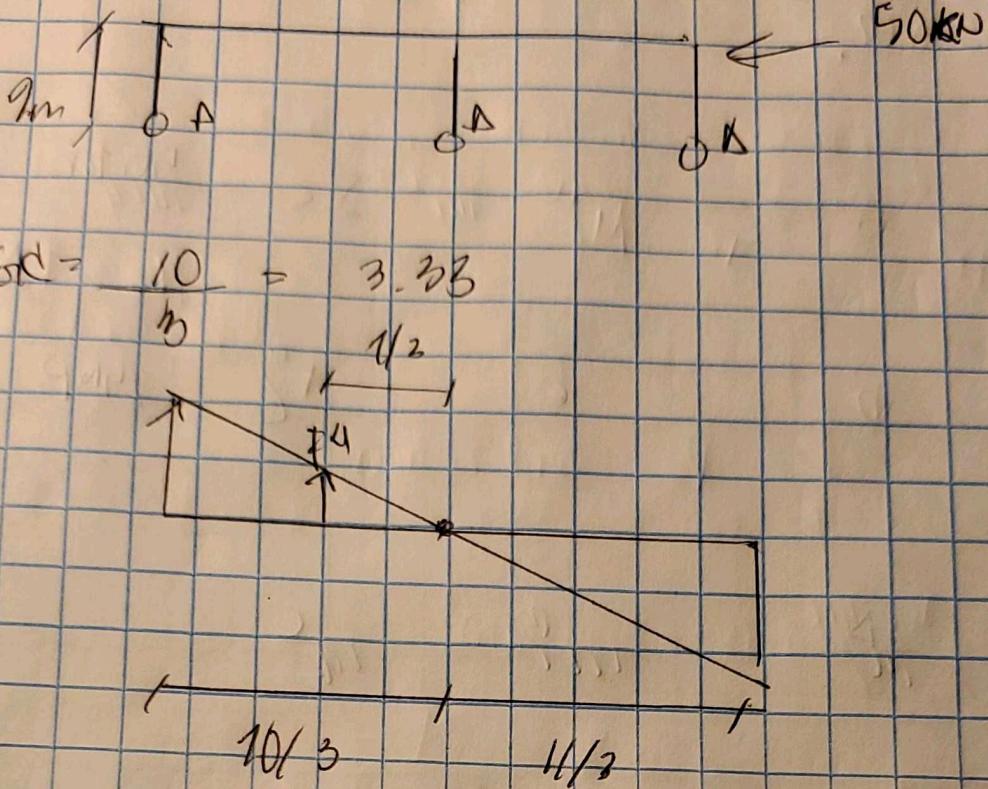
Martín Iván Correto Rivero
201230088.



→ Puntos de Infiltración:



→ Nivel 2 Cortecales Puntos de Infiltración:



$$CGD = \frac{10}{3} = 3.33$$

$$1/2$$

$$F_4$$

$$10/3 \quad 1 \quad 1/3$$

$$\sum M_{GIC} = 0$$

$$-50 \cdot 2 + \frac{10}{3} F_3 + \frac{1}{3} F_4 + \frac{11}{3} F_5 = 0$$

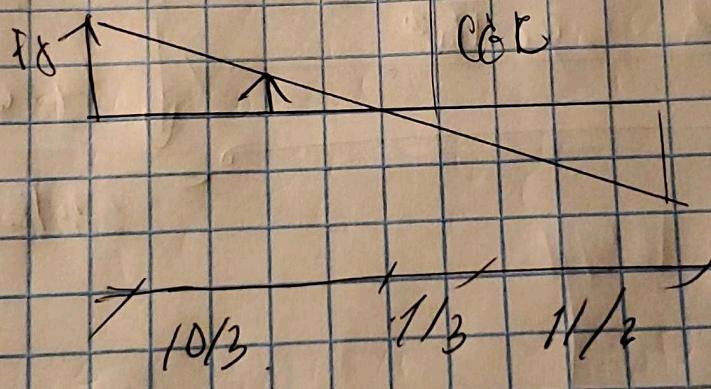
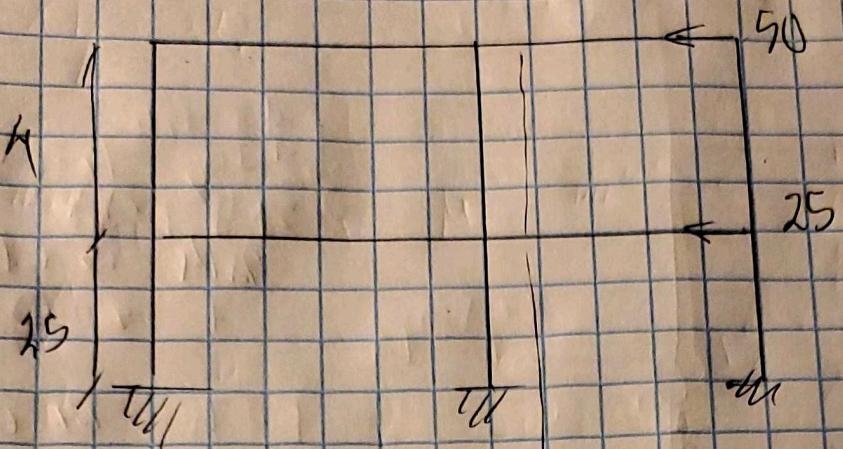
$$\frac{10}{3} F_3 + \frac{1}{3} P_4 + \frac{11}{3} F_5 = 100$$

$$F_3 / 10/3 = P_4 / 10/3 = F_5 / 11/3$$

$$F_4 / 10/3 = 100 = F_4 = 13.5$$

$$F_5 = 14.865 \text{ kN}$$

→ P Nivel Admite P.I.

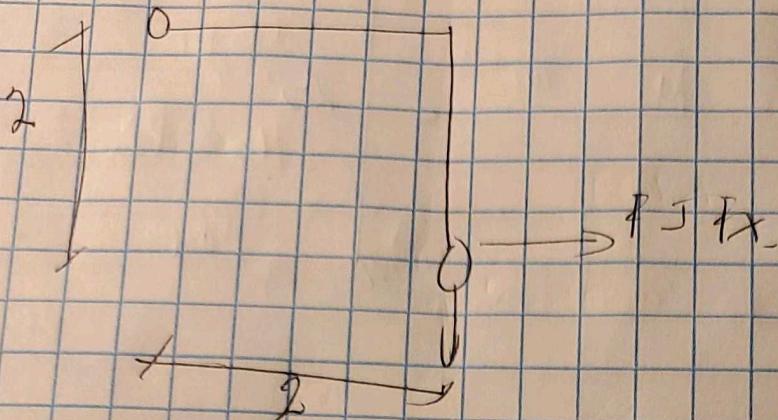


$$\sum M_{CGC} = 0$$

$$\frac{f_8}{10/3} + \frac{f_9}{1/3} = f_{10} \Rightarrow f_9 = \frac{1}{10} f_8, \quad f_{10} = \frac{11}{10} f_8$$

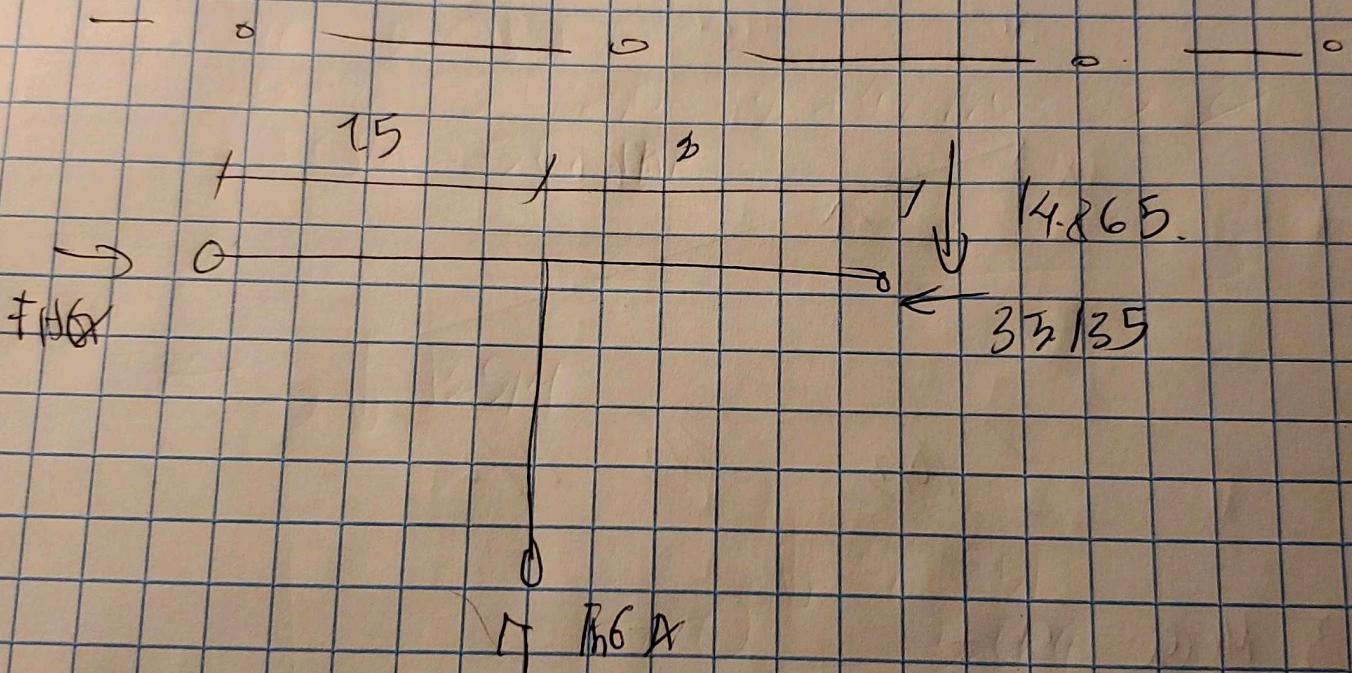
$$\frac{10}{3} f_8 + \frac{1}{3} \times \frac{1}{10} f_8 + \frac{1}{3} + \frac{11}{10} f_8 = 387.5.$$

→ Analisis metodos:



$$\begin{aligned}\sum I_{Gy} &= 14.865 \text{ kN} \\ 2M &- 0 \\ 2 \cdot 14.865 + f_{2,9} &+ f_2 = 0\end{aligned}$$

$$\begin{aligned}f_2 &= 14.865 \\ f_{2,9} &= 35.135\end{aligned}$$



$$\begin{aligned}\sum H_{Gy} &= 13.514 \text{ kN} \\ 2M &- 0\end{aligned}$$

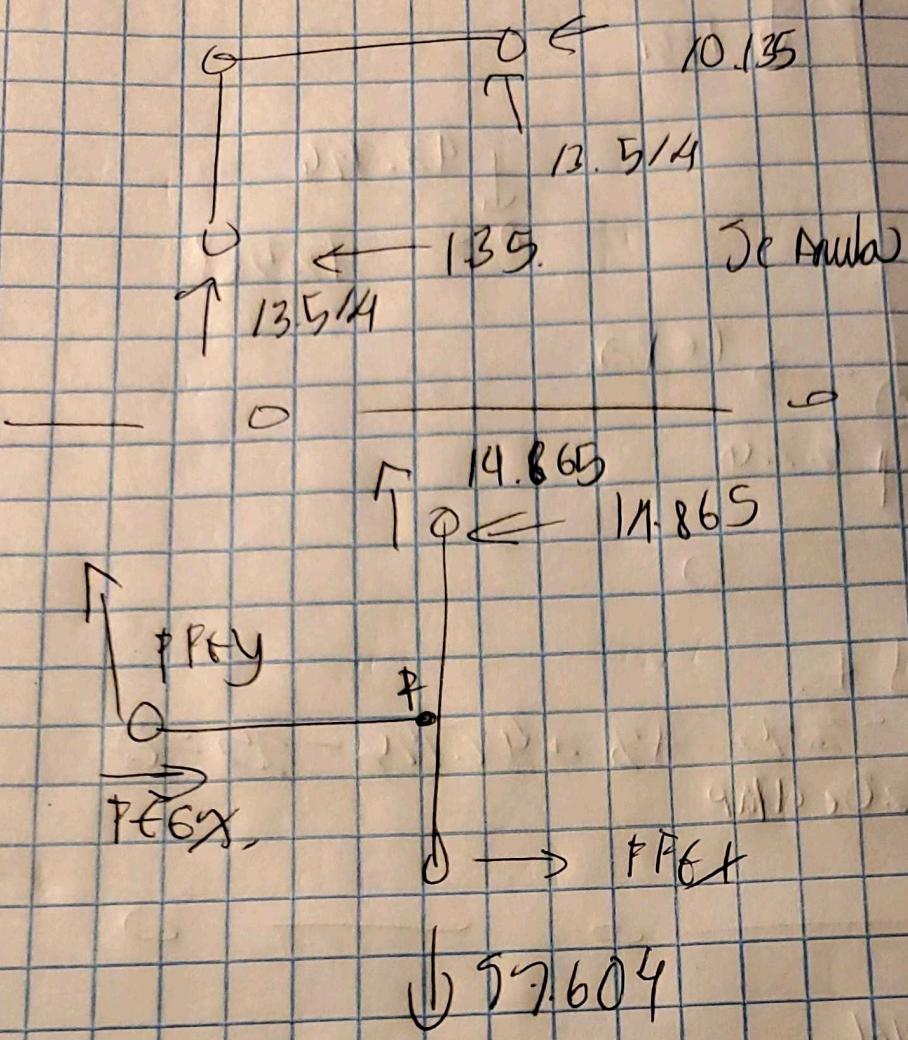
$$13.514 = 15.714 \times 65$$

$$2F_{H6} - 15$$

$$F_{H6} = 7.5$$

$$F_{H6} = 10.135 \text{ kN}$$



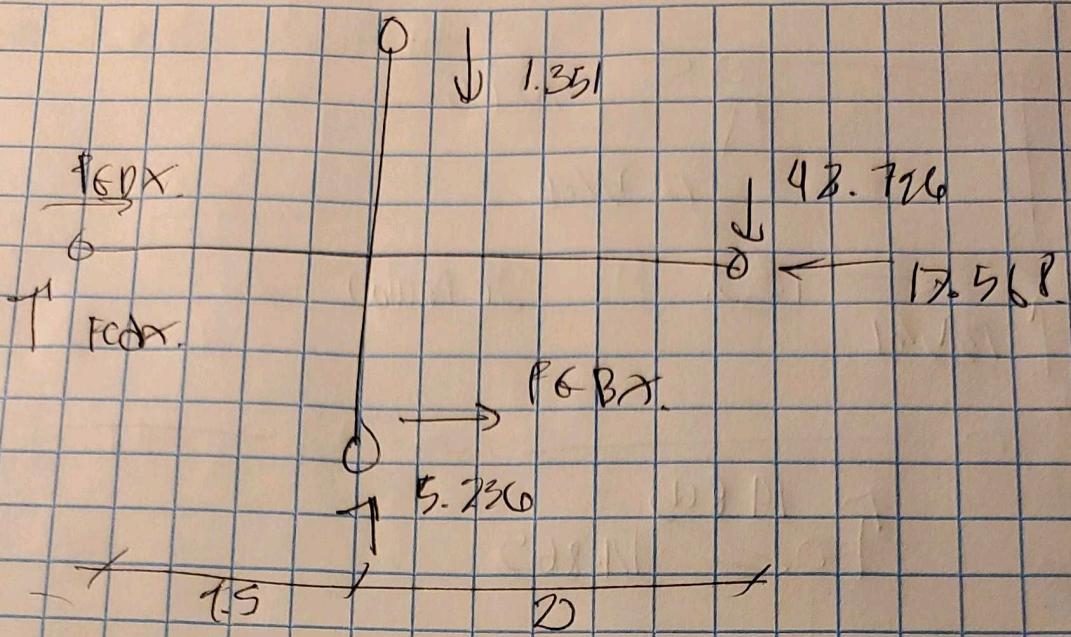


$$PF_{F6X} = 19.736$$

$$\sum M_S = 0 \\ 19.736 - 2 + 14.865 - 25 \text{ FF ex.} = 0$$

$$FF_{F6T} = 26.217 \text{ kN}$$

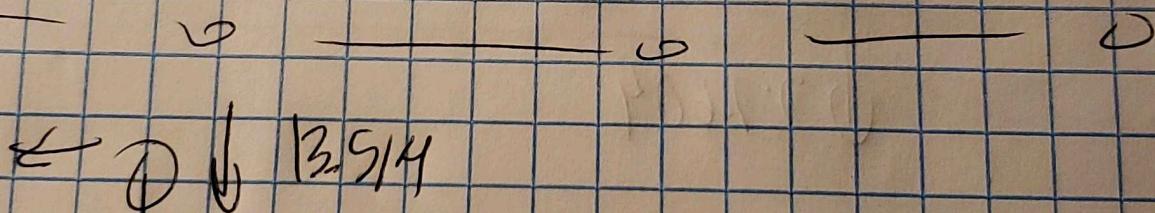
$$FF_{F6X} = 13.568$$



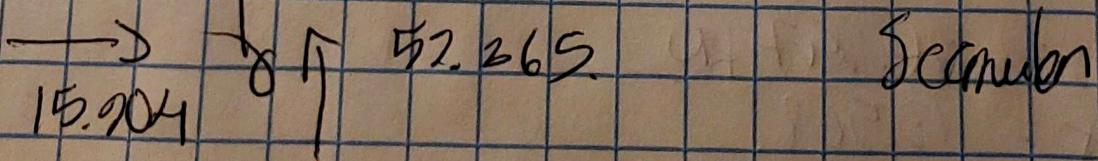
$$\Sigma M_0 = 0 \quad \text{---} \quad 1.5 +$$

$$1.5 + 38.851 - 20.25 + 2 + 42.726 - 25 = 0$$

$$F_{GDx} = 5.069 \text{ kN}$$



$$\downarrow 37.851 \\ 5.069$$

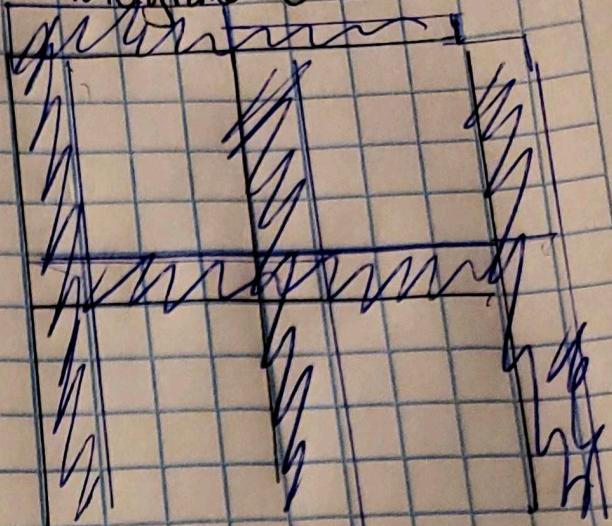


Scrumble

Diagrama Axial



Diagrama de corte.



• Diagrama de fluente.

