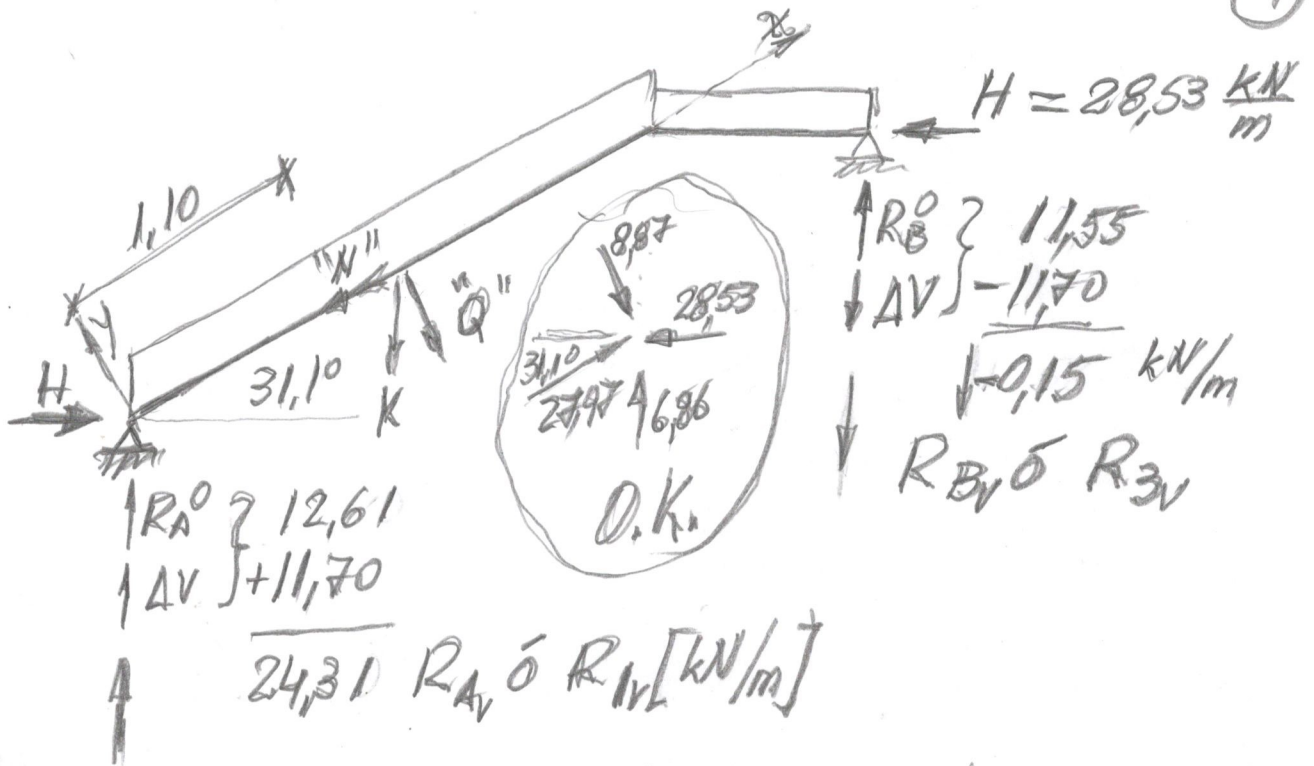


Σ (4)



Esfuerzos de corte y normal:

$$Q_{Ad} \text{ ó } Q_{1d} = 24,31 \cdot \cos 31,1^\circ - 28,53 \cdot \sin 31,1^\circ \approx 6,07 \frac{kN}{m}$$

$$N_{Ad} \text{ ó } N_{1d} = -24,31 \cdot \sin 31,1^\circ - 28,53 \cdot \cos 31,1^\circ \approx -36,98 \frac{kN}{m}$$

$$K = 7,52 \frac{kN}{m} \cdot 2,32 \text{ m} \approx 17,45 \frac{kN}{m}$$

$$"Q" = 17,45 \frac{kN}{m} \cdot \cos 31,1^\circ \approx 14,94 \frac{kN}{m}$$

$$"N" = 17,45 \text{ u} \cdot \sin 31,1^\circ \approx 9,01 \text{ u}$$

$$Q_{ciz} = 6,07 - 14,94 \approx -8,87 \frac{kN}{m} (= Q_{2iz})$$

$$N_{ciz} = -36,98 + 9,01 \approx -27,97 \text{ u} (= N_{2iz})$$

$$x_0 \approx 2,71 \text{ m} \cdot 6,07 / (6,07 + 8,87) \approx 1,10 \text{ m (INCLINADO)}$$

$$M_{x_0} = Q_{Ad} \cdot x_0 / 2 = 6,07 \frac{kN}{m} \cdot 1,1 \text{ m} / 2 \approx \underline{\underline{3,34 \text{ kNm/m}}}$$

$$Q_{3iz} \text{ ó } Q_{B'iz} = +0,15 \frac{kN}{m}$$

$$Q_{2d} \text{ ó } Q_{cd} = +0,15 \frac{kN}{m} + 6,1 \frac{kN}{m^2} \cdot 1,1 \text{ m} = 6,86 \frac{kN}{m}$$

$$N_{2d} = N_{3iz} = -28,53 \frac{kN}{m} (= N_{cd} = N_{B'iz})$$