

$$a) \vec{T} = (-3, 2)$$

$$\vec{R} = (2, -2)$$

Agua en $y=0$

Tiempo Total en Aire y Agua

$$T_{\text{Aire}}(x) = \frac{\sqrt{(x - T[0])^2 + (0 - T[1])^2}}{C/N_0} \left(\begin{array}{l} \ln(x, 0) \\ a(T_0, T_1) \end{array} \right)$$

$$T_{\text{Agua}}(x) = \frac{\sqrt{(x - R[0])^2 + (0 - R[1])^2}}{C/N_1} \left(\begin{array}{l} \ln(x, 0) \\ a(R_0, R_1) \end{array} \right)$$

Tiempo Total

$$T_{\text{Total}}(x) = \frac{N_0 \cdot \sqrt{(x - T[0])^2 + T[1]^2}}{C} +$$

$$\frac{N_1 \cdot \sqrt{(x - R[0])^2 + R[1]^2}}{C}$$

Problema

PASANDO c (velocidad de la luz) tenemos

$$C.T(x) = N_0 \cdot \sqrt{(x - T_0)^2 + T_0^2} + N_1 \cdot \sqrt{(x - R_0)^2 + R_0^2}$$

$$C.T(x) = 1 \cdot \sqrt{(x - (-3))^2 + 4} + 1,33 \cdot \sqrt{(x - 2)^2 + 4} //$$