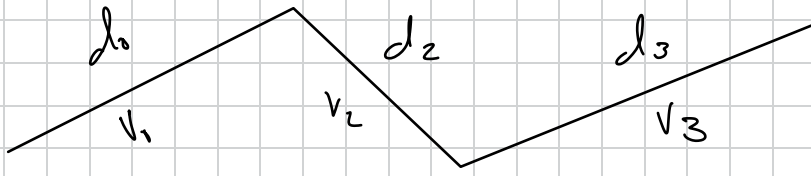# Ejercicio 10   muestreo:

$$\text{Velocidad} = \frac{\text{distancia}}{\text{tiempo}} \longrightarrow \text{tiempo} = \frac{\text{distancia}}{\text{Velocidad}}$$

$$\text{Tiempo total} = \frac{d_1}{V_1} + \frac{d_2}{V_2} + \frac{d_3}{V_3}$$

$$\text{Distancia total} = d_1 + d_2 + d_3$$

$$\text{Velocidad promedio} = \frac{D_T}{T_T} = \frac{(d_1 + d_2 + d_3)}{\left(\frac{d_1}{V_1} + \frac{d_2}{V_2} + \frac{d_3}{V_3}\right)}$$

$$\Rightarrow \frac{d_1}{V_1} + \frac{d_2}{V_2} + \frac{d_3}{V_3} = \frac{d_1 + d_2 + d_3}{V_{promedio}}$$