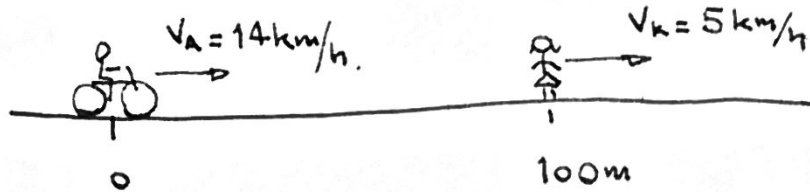


$$t=0$$



Andreu:

$$t_{A0} = 0$$

$$x_{A0} = 0$$

$$v_A = 14 \text{ km/h}$$

Karina:

$$t_{K0} = 0$$

$$x_{K0} = 100 \text{ m} = 0,1 \text{ km.}$$

$$v_K = 5 \text{ km/h.}$$

$$x_A = 14 \cdot t$$

$$x_K = 0,1 + 5t$$

Es trobaran quan  $x_A = x_K$

$$14t = 0,1 + 5t$$

$$14t - 5t = 0,1$$

$$9t = 0,1$$

$$t = \frac{0,1}{9} = 0,011 \text{ h} = \boxed{40 \text{ s}}$$

La posició:  $x = 14 \cdot 0,011 = 0,155 \text{ km} = \boxed{155 \text{ m}}$

Gràfiques:

