$$\Rightarrow t_1 = \sqrt{\frac{2}{a} \left( x_{oc} + A + B + C \right)}$$

$$t_1 = \sqrt{\frac{2}{0.8}(20 + 30 + 4.5 + 20)} = 13,65$$

b) 
$$x_{s}(t_{i}) = ? = Vot_{i} + \frac{1}{2}at_{i}^{2} = 25.13,6 + \frac{1}{2}0,8(13,6)^{2}$$

c) 
$$V(t) = V_0 + at \Rightarrow V(13,6) = 25 + 0.8 \cdot 13,6 = 35,9 \text{ m/s}$$

$$t=0$$

Carrinhois

 $t=13, b \le 13$ 

Carro

 $t=13, b \le 13$ 
 $t=$