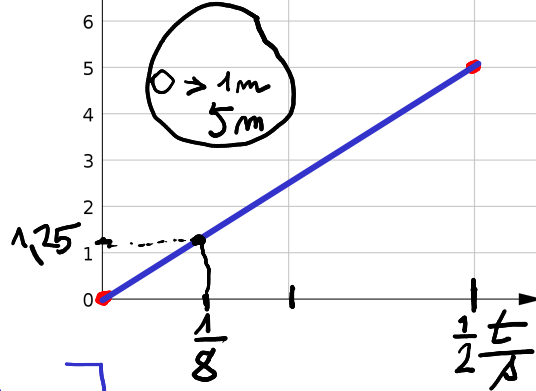


$$\frac{\Delta}{m} = v \cdot \Delta t + \Delta_0$$

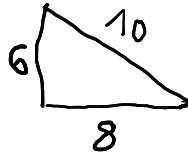
$$t = \frac{1}{8} \Delta \quad \Delta\left(\frac{1}{8}\right) = 10 \cdot \frac{1}{8} = 1,25m$$



$$v = 10 \frac{m}{s}$$

$$\Delta = 5m$$

$$t = \frac{5}{10} = \frac{1}{2} s$$



$$\begin{bmatrix} v_x = 8 \\ v_1 = -8 \end{bmatrix}$$

$$\begin{bmatrix} v_y = 6 \\ v_2 = 6 \end{bmatrix}$$

$$\vec{v} = (-8; 6) \frac{m}{s}$$

$$x_A = 6 - \frac{8}{2} \Delta$$

$$x_A = x_{OA} + v_1 \cdot \Delta$$

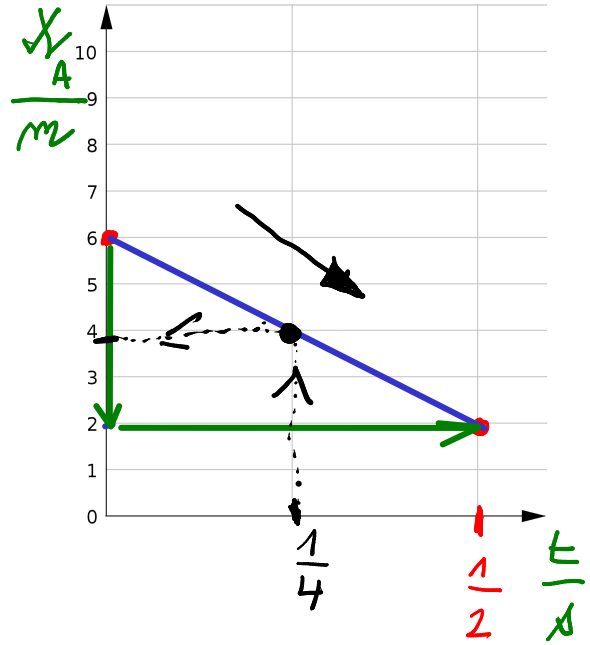
$$t = 0 \quad t = \frac{1}{4} \Delta \rightarrow x_A = 4 \text{ m}$$

$$t = \frac{1}{2} \Delta \rightarrow x_A = 2 \text{ m}$$

$$y_A = 1 + \frac{6}{2} \cdot \Delta$$

$$y_A = y_{OA} + v_2 \cdot \Delta$$

$$t = \frac{1}{8} \rightarrow y_A = 1 + \frac{3}{4} = \underline{1,75 \text{ m}}$$



ALES

$$\frac{\gamma_A}{m}$$

