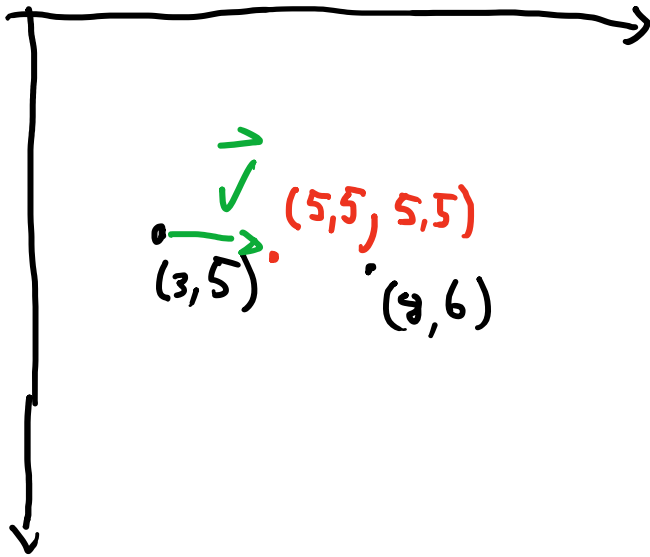


Exemplo

quarta-feira, 20 de abril de 2022

18:41



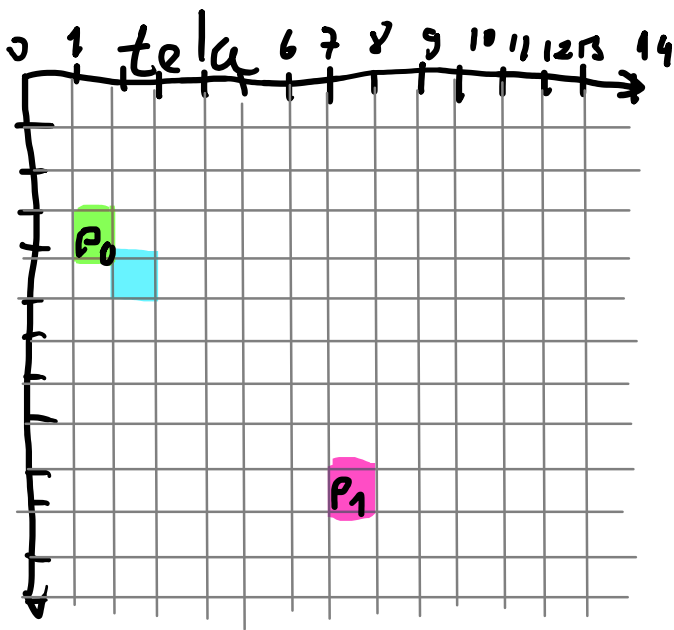
$$\vec{v} = (8,6) - (3,5)$$
$$\vec{v} = (5,1)$$

$$P = P_0 + t(5,1)$$

$$(x,y) = (3,5) + 0,5(5,1)$$

$$(x,y) = (3,5) + (2,5,0,5)$$

$$(x,y) = (5,5,5,5)$$



$$P_0 = (1,3)$$

$$P_1 = (7,9)$$

$$y = ax + b$$

$$a = \frac{y_1 - y_0}{x_1 - x_0}$$

$$b = y_0 - ax_0$$

$$x=1 \rightarrow y = \left(\frac{9-3}{7-1}\right) \cdot 1 + 3 - \left(\frac{9-3}{7-1}\right) \cdot 1 = 1 \cdot 1 + 3 - 1 \cdot 1$$

$$x=1 \rightarrow y=3$$

$$x=1 \rightarrow (1,3) = P_0$$

$$x=2 \rightarrow y = \left(\frac{9-3}{7-1}\right)^1 \cdot 2 + 3 - \left(\frac{9-3}{7-1}\right)^1 \cdot 1 = 2 + 3 - 1 = 4$$

$$x=2 \rightarrow P(2, 4)$$