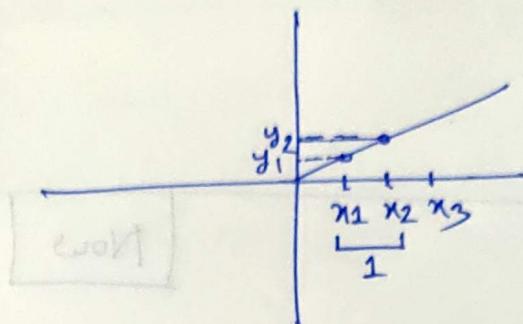


We increase  $x$  by 1,

$$x = x + 1$$

so, the difference between two consecutive  $x$  is 1

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

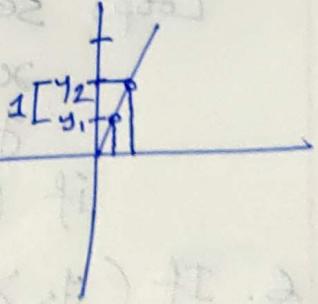


$$\left( = \frac{y_2 - y_1}{1} \right) \rightarrow (x_2 - x_1) \leftarrow \text{unit} \quad \left( x_2 - x_1 \right) / (1 - 1) = m$$

$$\Rightarrow y_2 - y_1 = m$$

$$\Rightarrow y_2 = y_1 + m \Rightarrow \text{next pixel } y \text{ value} = \text{previous pixel } y \text{ value} + m$$

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$



$$m = \frac{1}{x_2 - x_1}$$

$$\frac{x_2 - x_1}{1} = \frac{1}{m}$$

$$x_2 - x_1 = \frac{1}{m}$$

$$(a) \text{ break: } m + x = x$$

$$\text{fix elements, goal of ap } (x_2 - x_1) +$$