 $y <_1 y_{\text{binary}}$ ~~class~~

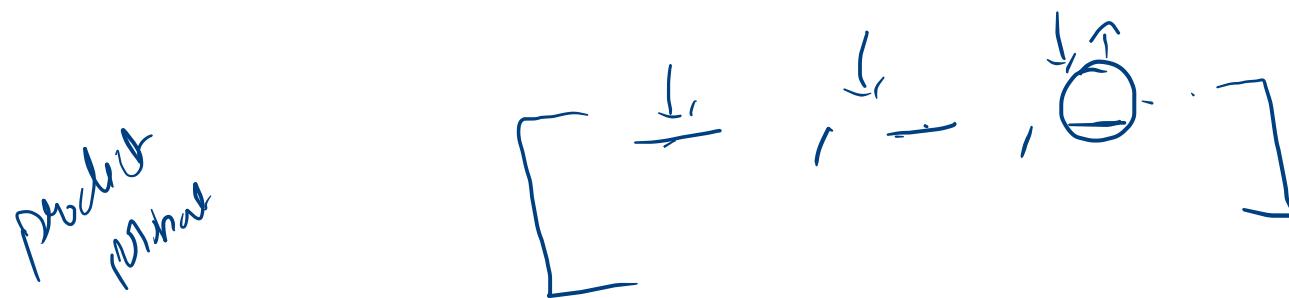
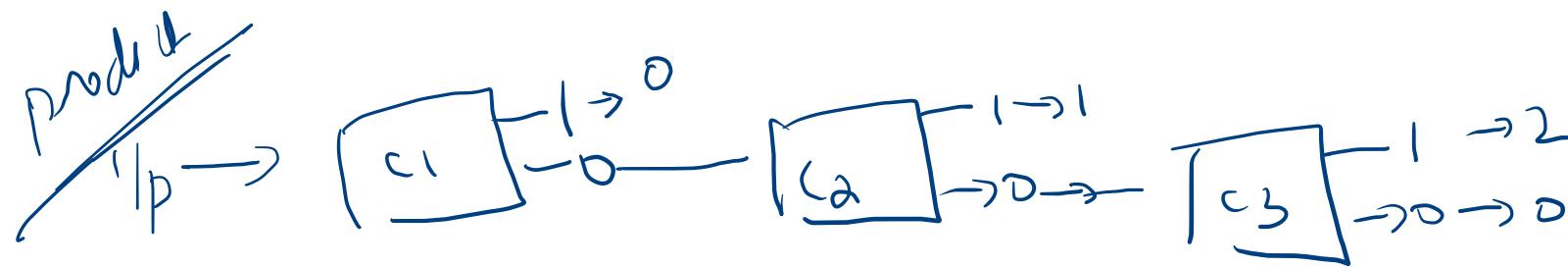
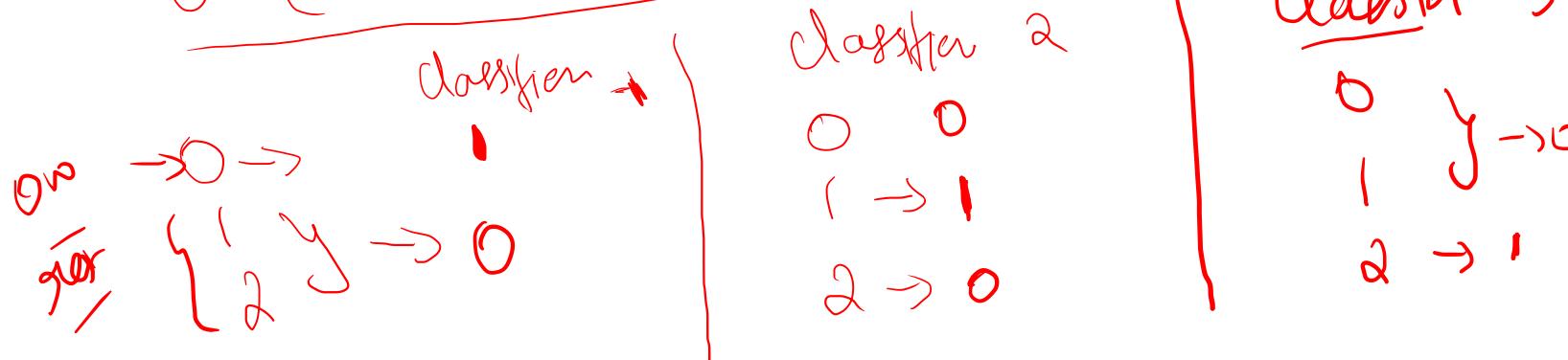
$\rightarrow \text{logit} <_1 y \quad y \rightarrow \text{class}$

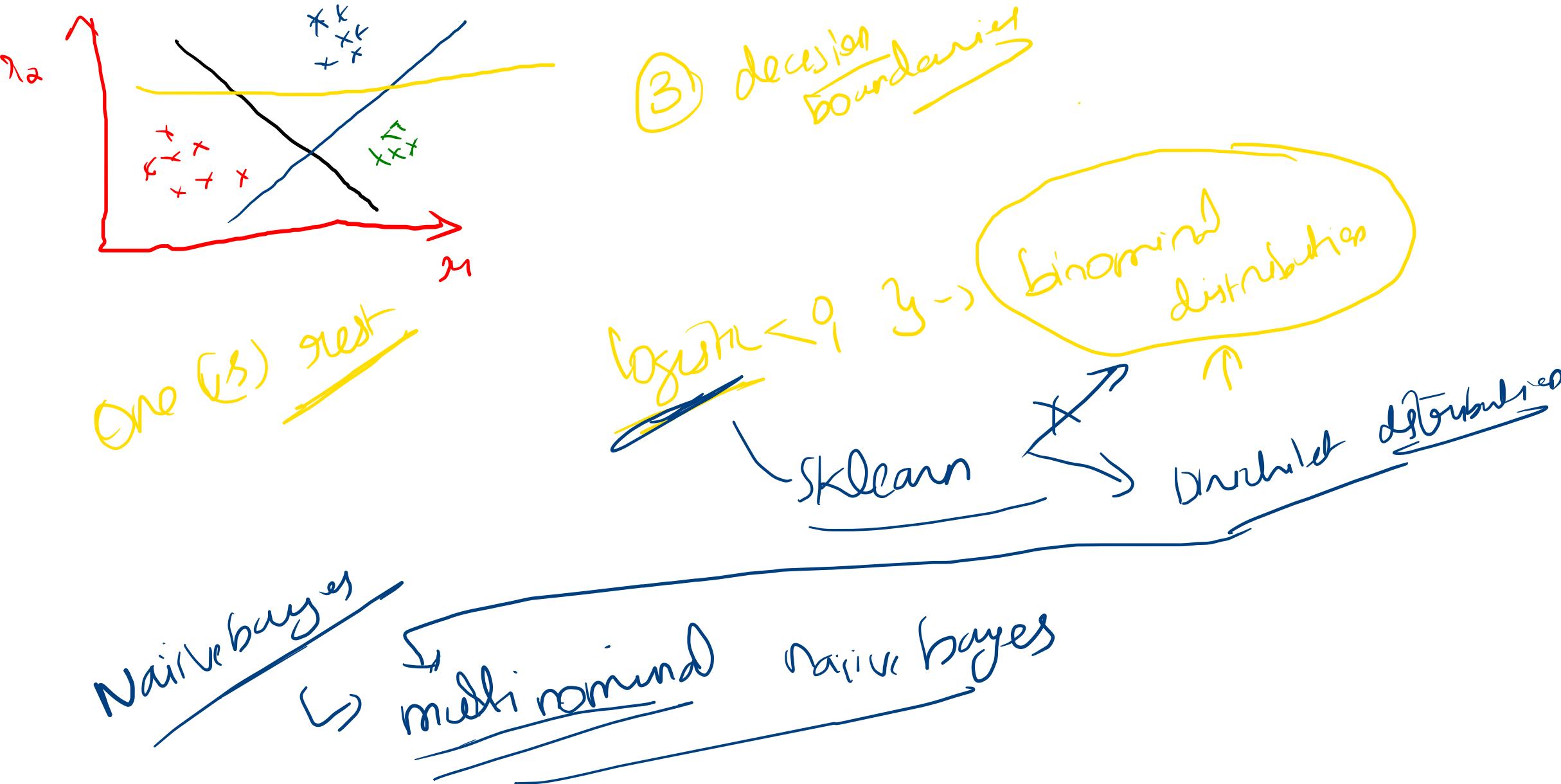
\rightarrow multidimensional classification

$\{0, 1, 2\} \rightarrow 3 \text{ class}$ (non-binary)

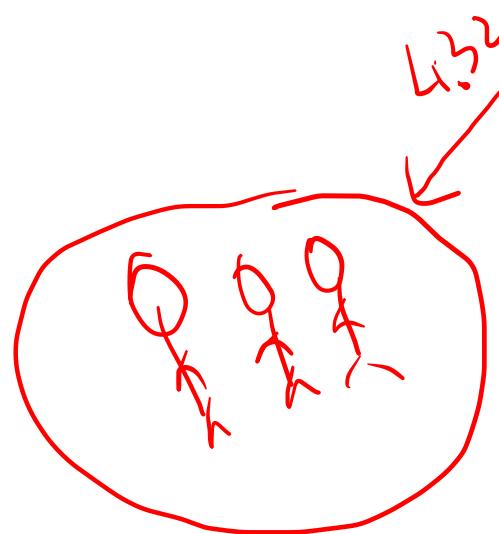
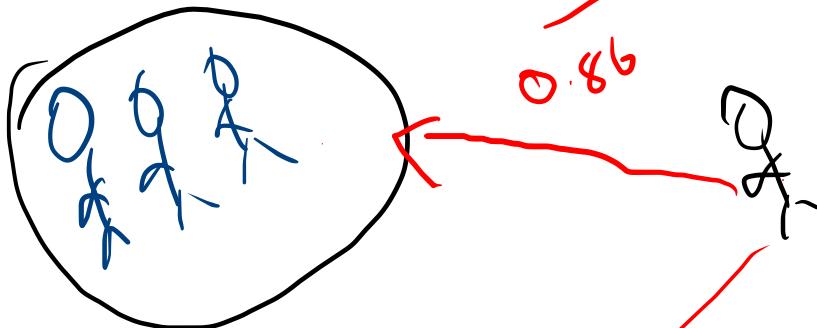
of x

One (vs) rest classification





KNN

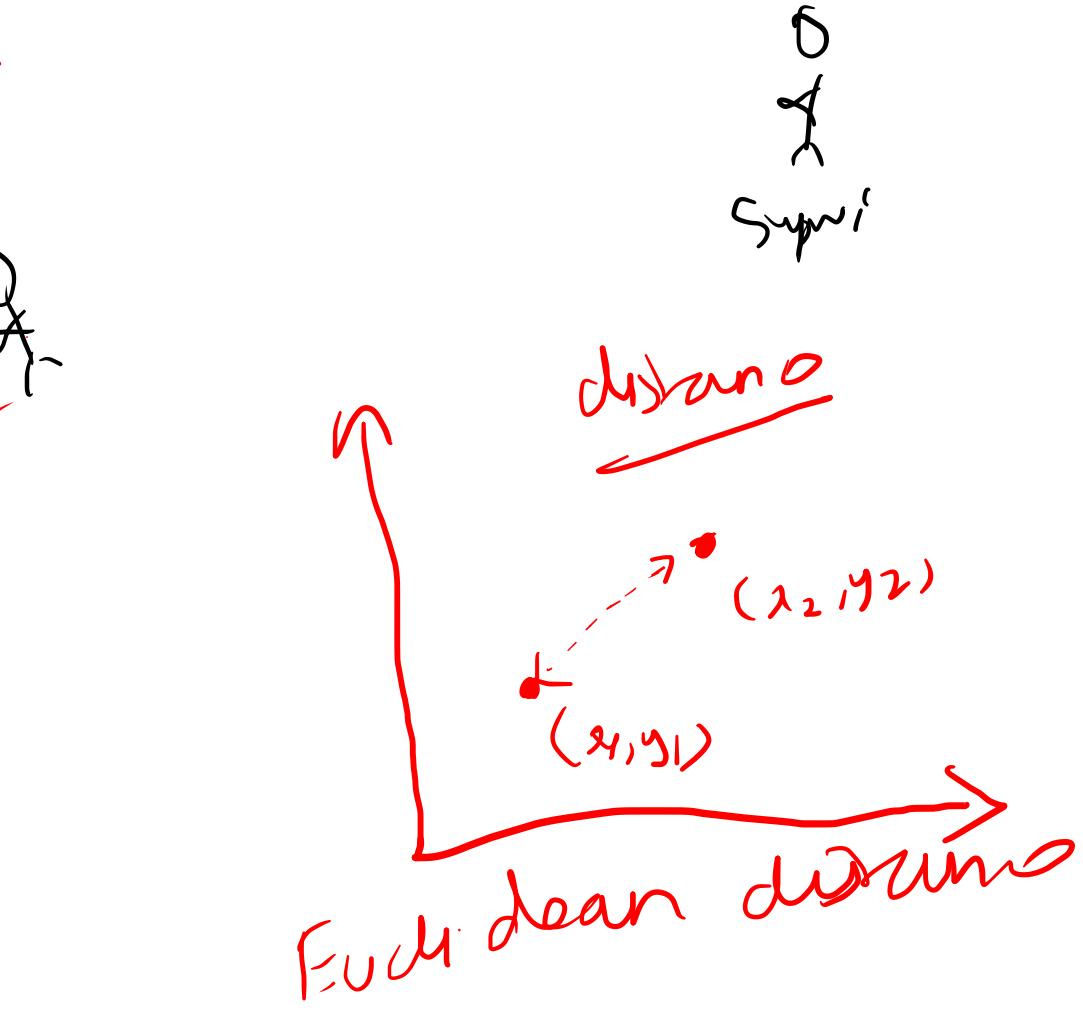


distan^o

Nume

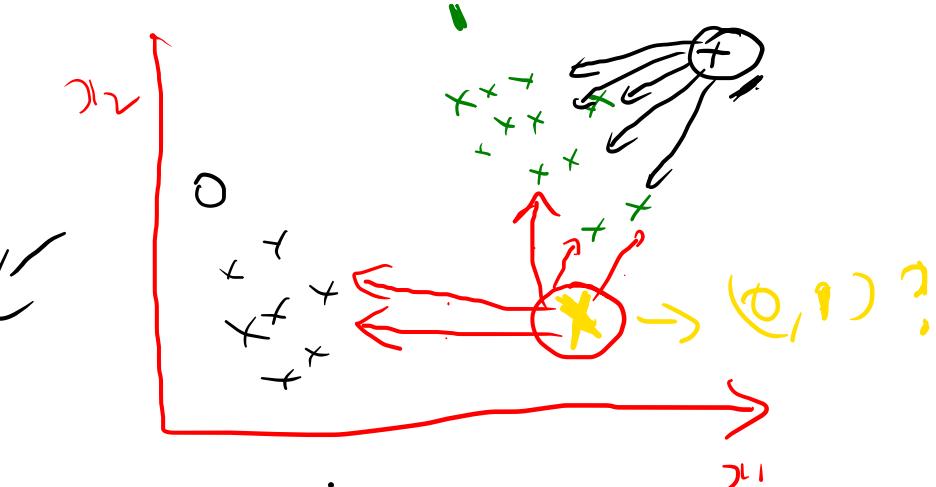
0.86

L2^2



$$\leftarrow d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$$

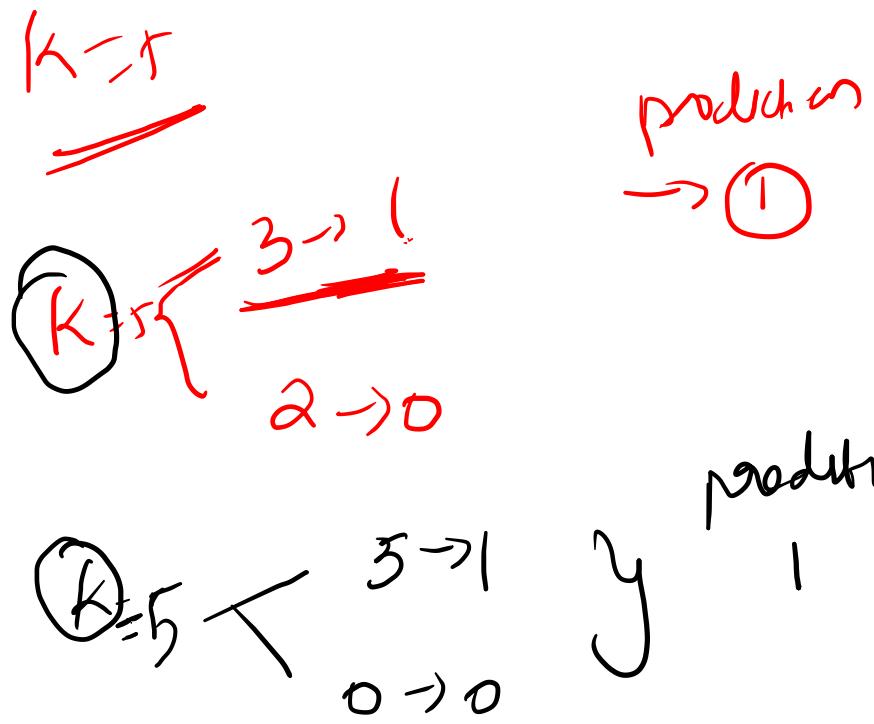
Lazy
Learning

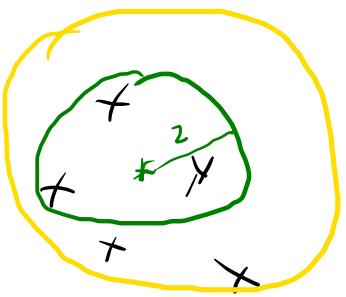


Euklidens

$$d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$$

- ① with help of neighbor we are climate data
- ② No separate train / lazy learning algorithm





off

more dimensionality

→ find distance for

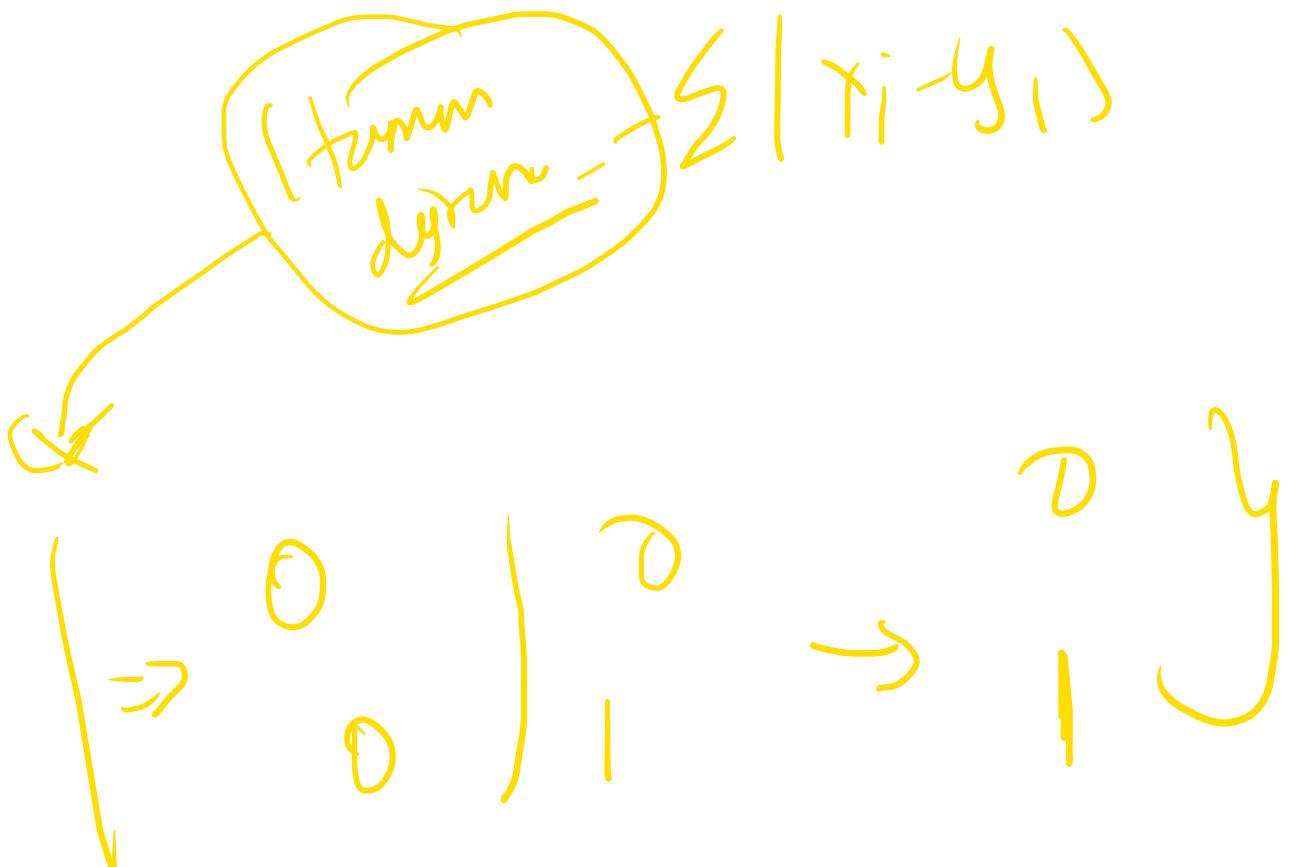
higher dimension stuff

→ $E = \sqrt{(y_2 - y_1)^2 + (x_2 - x_1)^2}$

$x_1, x_2, x_3, x_4, \dots, x_n$

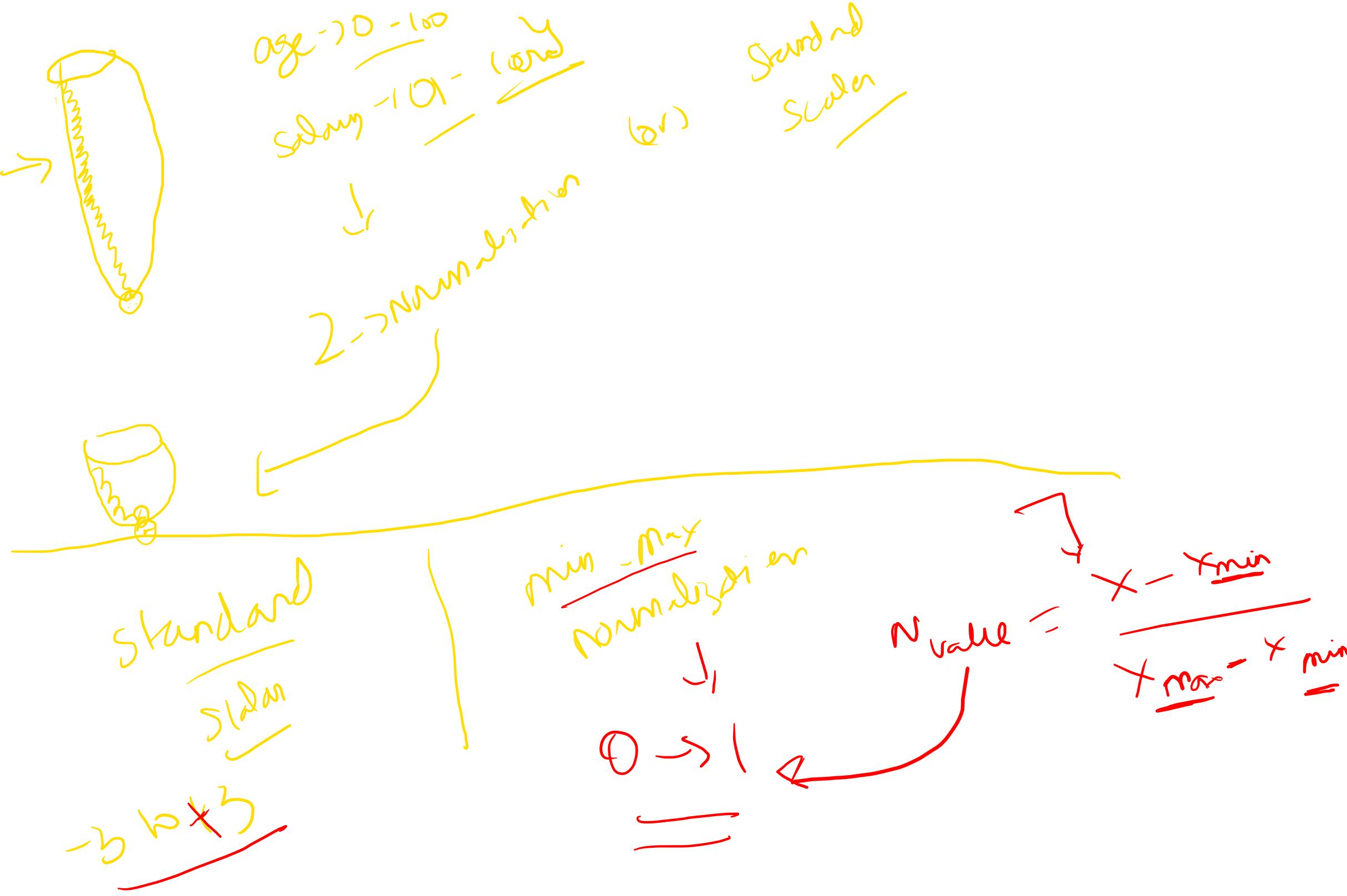
(higher dimensions
↓
what dimension)

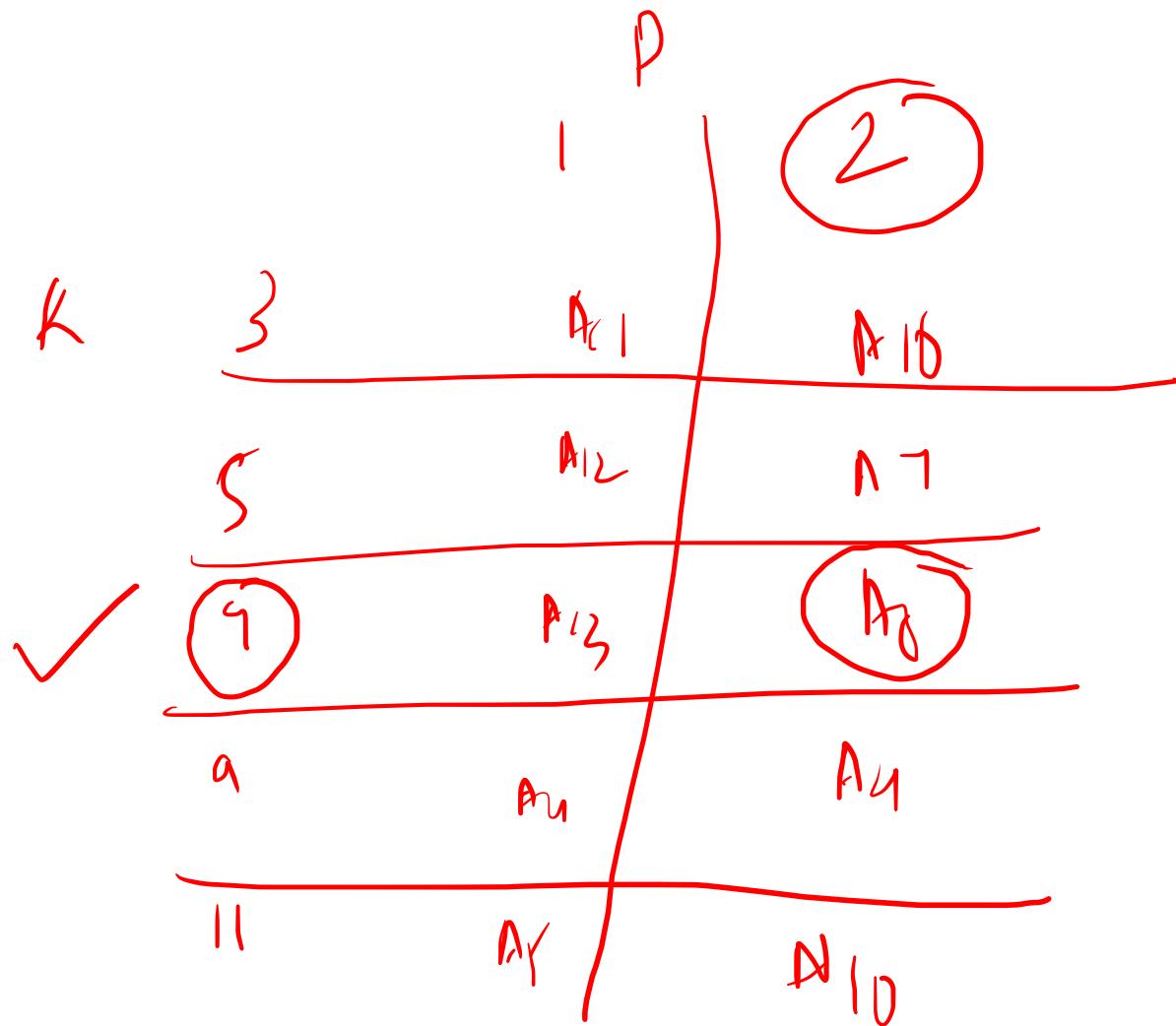
$$M \rightarrow 0 \quad F = 1$$
$$\sum_{i=1}^n M_i$$



$k \rightarrow 3, 5, 17, 9, 11, 14, \dots$







$$k=7$$

$$\phi = 2$$