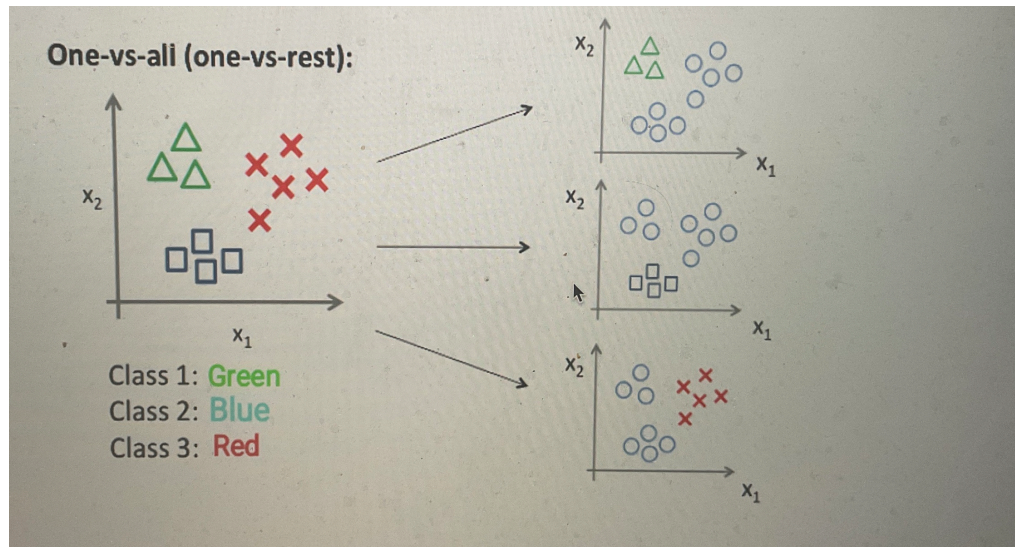
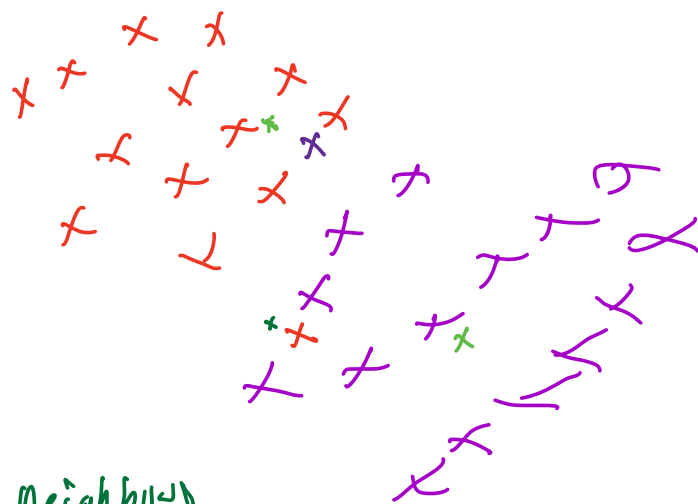


## One vs All



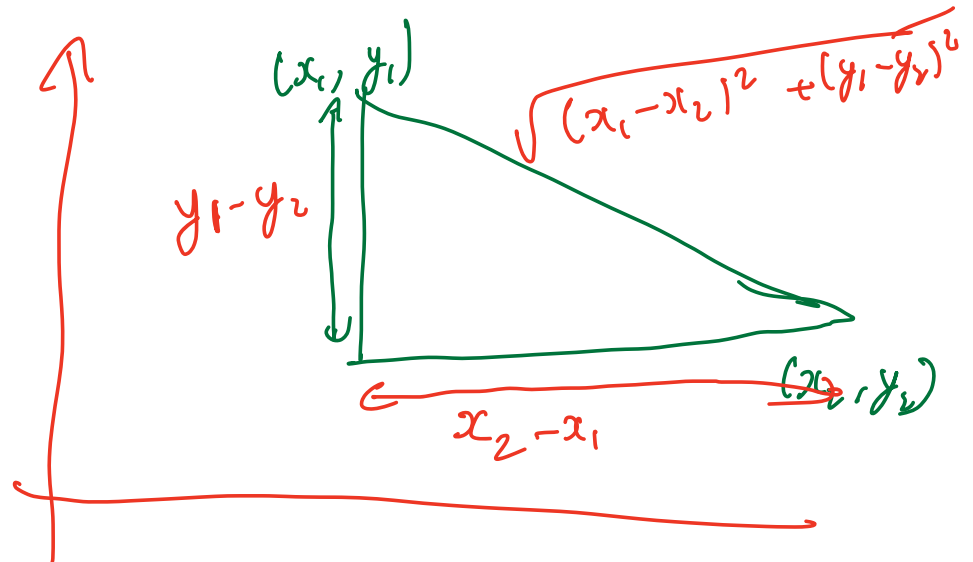
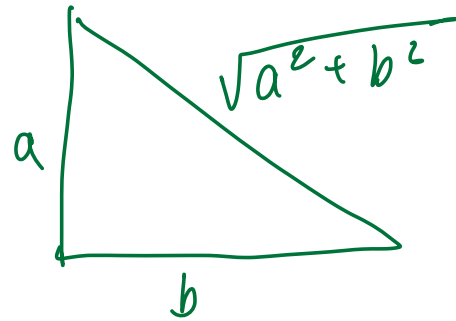
## KNN (K-nearest neighbours)

$\frac{n}{\log n}$   
( $n \log n$ )

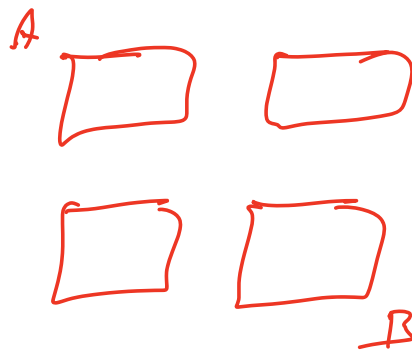


1-nearest neighbour  
3-nearest neighbour

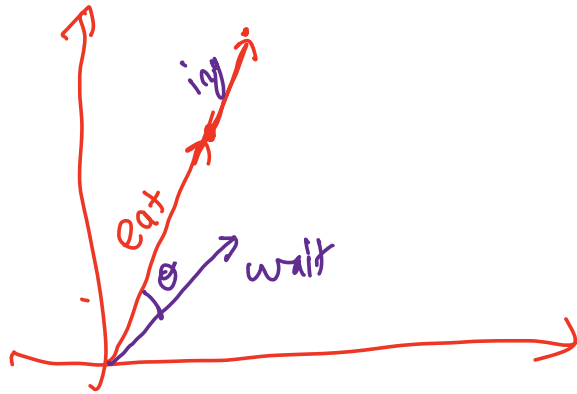
## Euclidian distance



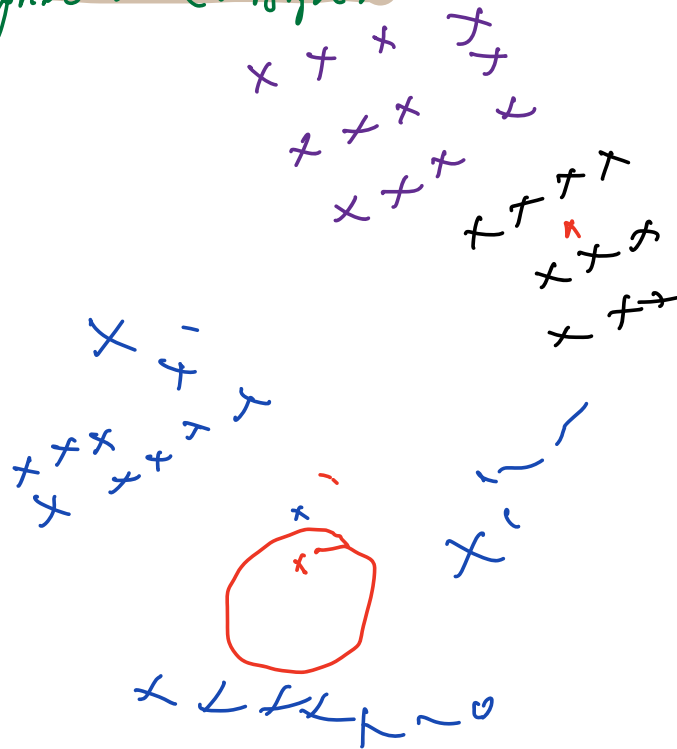
## Manhattan distance



## Cosine Distance



## Radius neighbours (classified)



## ② KD-tree Neighbours

Uber  
Ola  
Swiggy

20 nato

