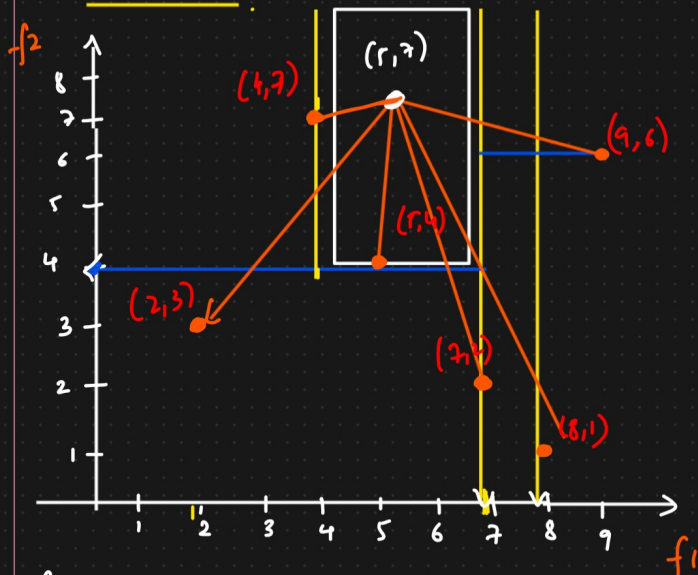


Variants of KNN

KD Tree



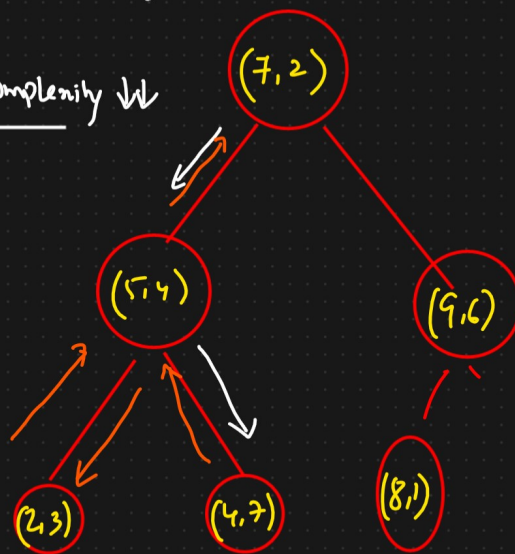
f_1
 2, 4, 5, 7 | 8, 9
 $\frac{5+7}{2} = \frac{12}{2} = 6.5$

f_2
 1, 2, 3, 4 | 6, 7

f_1	f_2
7	2
5	4
9	6
2	3
4	7
8	1
Median	Median

Binary Tree [KD Tree]

Time Complexity ↓



Back Tracking

(2) Ball Tree

Time Complexity ↓

