

Optimization of KNN

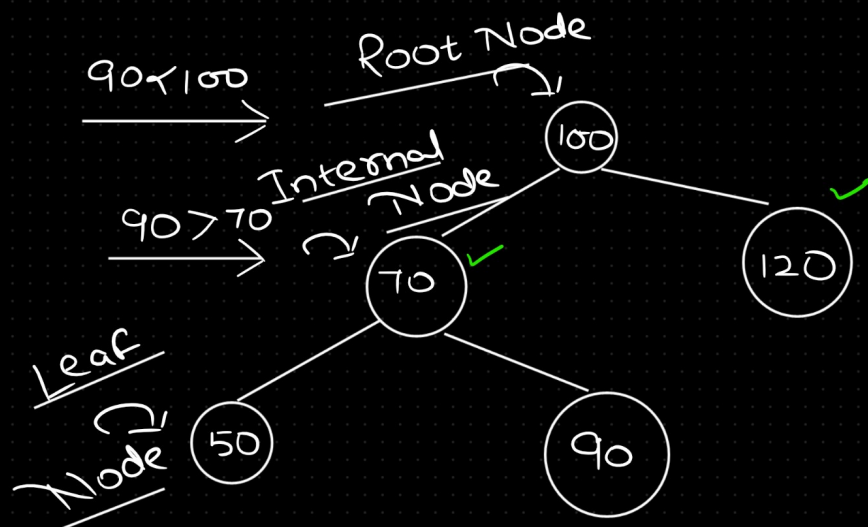
time complexity ↓

→ KD Tree

→ Binary Search

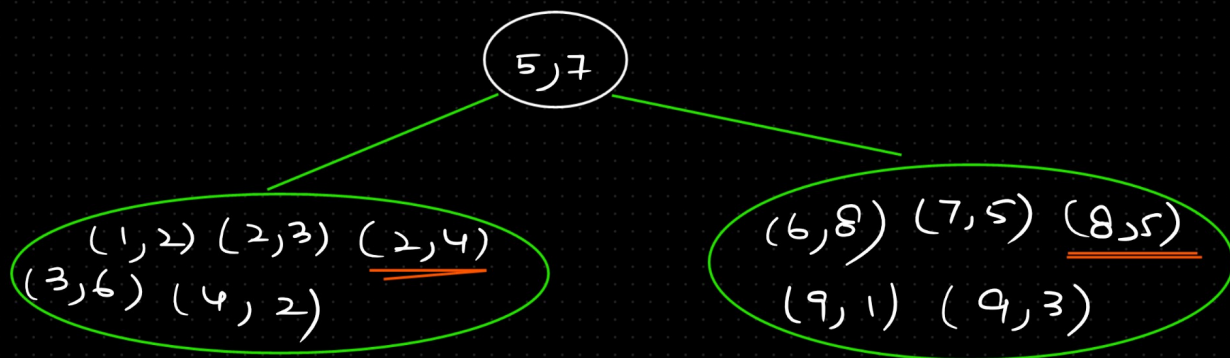
space complexity ↓

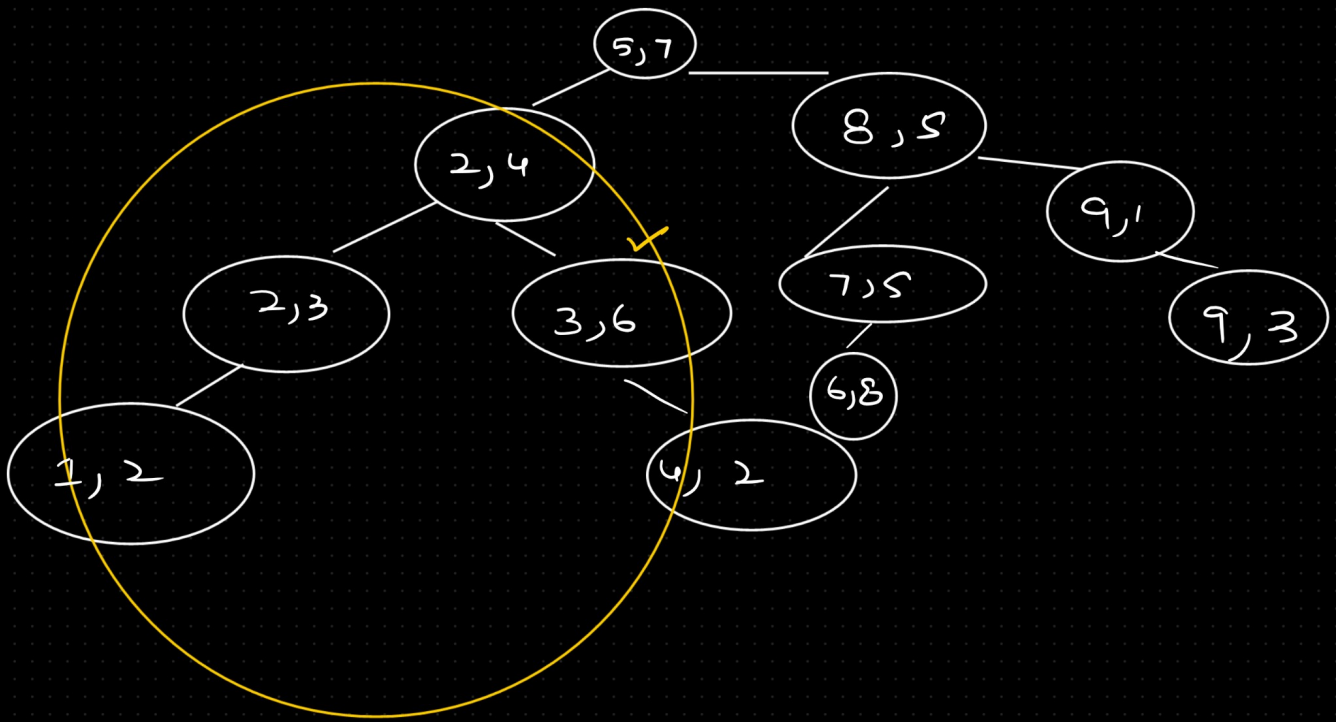
tree (Data Structure)



0 1 2 3 4 5 6
{ (1,2) (2,3) (2,4) (3,6) (4,2) } (5,7) (6,8)
7 8 9 10
(7,5) (8,5) (9,1) (9,3)

{ 1, 2, 2, 3, 4, 5, 6, 7, 8, 9, 9 }





②

Ball Tree

