QUICK SORT

for (int 1:1; i< n:1+t) } ky = arr[i] While (arrli) > key & & j > = 0)

arrli] > key & & j > = 0)

arrli] apr[j+1] = Key

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Partition (arr, 16, ub) int end = ub; While (Stort < end) While (arr[stant] <= arr[phrot] 110c+1 / ub while (our [end] > our [pivot) end--; if (start < end) To swap (om [stort], am [end]) * Swap (arr [end, arr [plut] tehrn end; Lecturer Akib Zaman, Dept. of CSE, UIU

Quick Sort (art, 16, ub) 2 if (lb Lub) 3 int loc= portition (arr, 16, ub) Duick Sort (orr, 102-1)

Duick Sort (carr, 102+1, wb) arr f] = f len () Qui de sort (corr, 0) g)

Qui de sort (corr, 0) g)

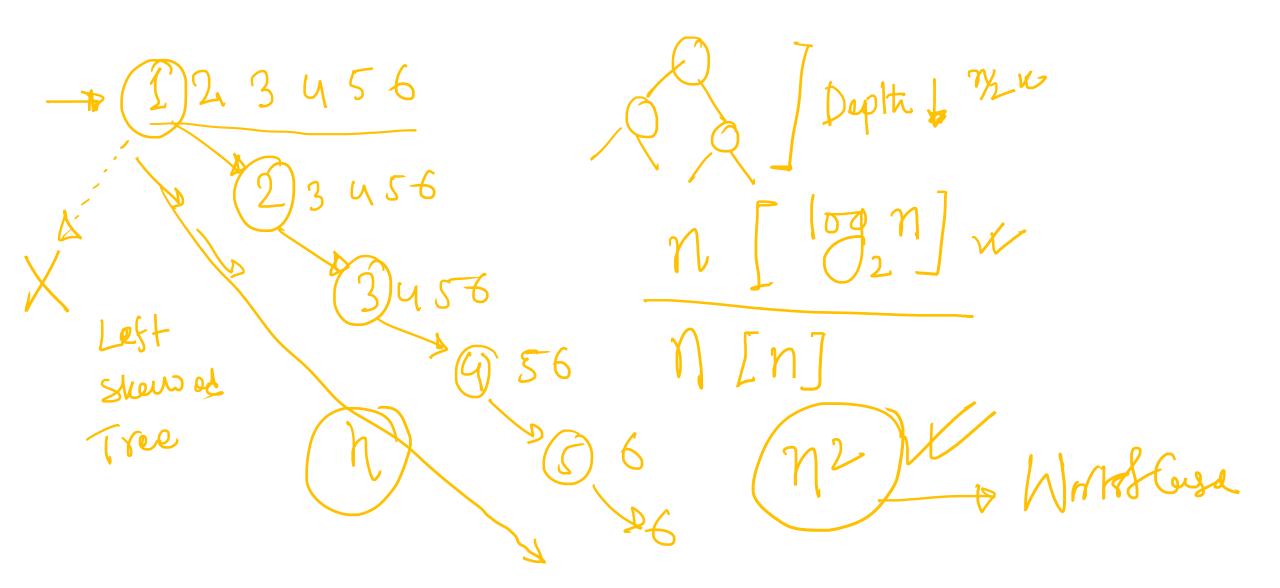
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Morgesont: Extra array | Space complexity A X
Workst case | Morgesont |

Space complexity A X

Ouich sort |: No extra orray | Space complexity A V

North sort | No extra orray | Space complexity A V



HAsunding - There is no violations