* Imbostant Souting Algos for ECE/EIE/EEE/Robofice

* NCA -> Non-Comparison Algorithms * Count Sort Algorithm * Single digit whole numbers (0-9) away

Count 101213161819753e

(2) Cumulative count 1 L->R 0 1 2 3 4 5 6 D Create Ofparay output 111213131313141416 count [ass(i)] ar ip - Cooler ar (i) ++ for (int i=0; i<aipe sitt)

Count (au [i]] ++; i=0

411 ++; i=1

322 Radix Sort:) (Non-Combalison Algorithm)

* Multible Dirits

* Multible Dirits * Multiple Digits 325 224 032 008 091 * Constant Length Strings 091 032 224 325 008 /91 Rahul Samas 008 224 325 032 091 P2 1. Find max -> 325 * How many digits? 325 + 3 digite (3) passes 008 032 091 224 325 2.00-9 10 Buckets O(nt max) 008 032 091 P1, P2, P3 =) countsout How are the no of basses or iterations of rounds in Radix Sort controlled defending on the max value? man = 325? 3 passes?

1,2,3 ×

for (int exp = 1; max/exp>0; exp x = 10)

Wet E max = 325 p E count Sort (au, size, exp); exp = 1,10,100325/1 = 325 325/10 = 3232S/in = 3325/100 = 0Linear Data Structures: > Reversal MAX-SIZE = 99 top = -1 push(), pop() top = = MS - 1 push(), pop() top = = MS - 1 top = = MS - 1Stacks/Overes/ linked listo: STL -> Standard Template Library Hinclude (stack) Graphs