C++ STLs

"Like a Boss"

video - 6

Leetcode - 179

(GFG P.O.T.D)

Comparators

Application

179. Largest Number

Medium | Topics | Companies

Given a list of non-negative integers `nums`, arrange them such that they form the largest number and return it

Since the result may be very large, so you need to return a string instead of an integer.

Largest Number formed from an Array

Medium Accuracy: 37.82% Submissions: 132K+ Points: 4

[redacted]

Given an array of strings **arr**[] of length **n** representing non-negative integers, arrange them in a manner, such that, after concatanating them in order, it results in the **largest possible number**. Since the result may be very large, return it as a string.

Example :- nums = {"3", "30", "34", "5", "9"}

Output = "9534330"

Why Greedy Fails ???

nums = {"3", "30", "34", "5", "9"}

"343095 3"

Brute Force :-

nums = {"3", "30", "34", "5", "9"}

O(n!)

{3, 30, 34, 9, 5}

"330349 5"

{3, 30, 5, 9, 34}

"3305934"

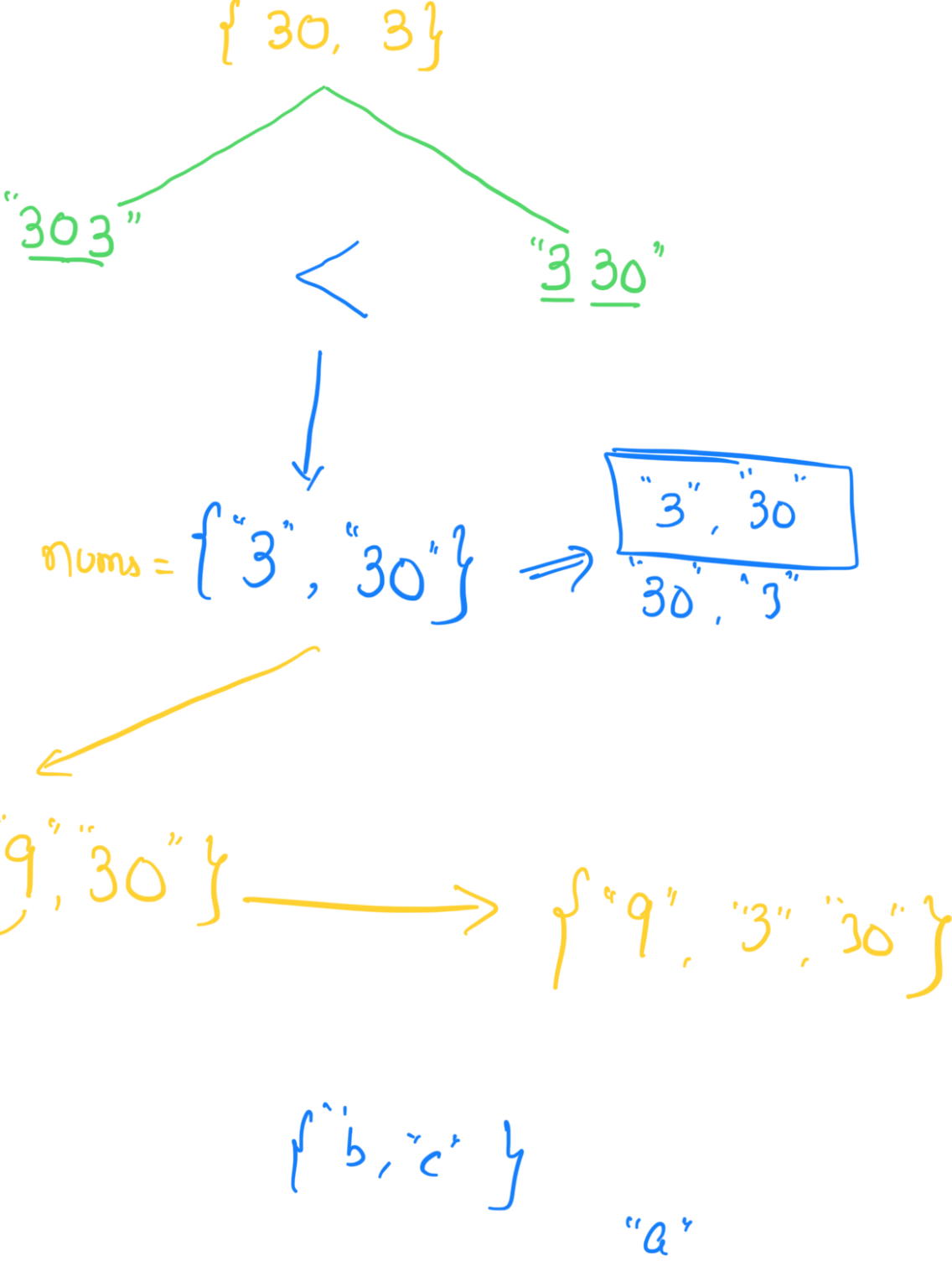
{9, 5, 34, 3, 30}

"95343 30"

O(n!)

Let's Break it down

What if you only had 2 elements?



"ca" | "ac"

Sorting.

↳ Custom Sort