L33 Sorting : Problem Solving 2 **RECAP**



Going to step up a bit today. So hold tight and be attentive!

Ferris Wheel

a. a. a. a. - - - an-3 an-2 an-2

Stick Lengths



5
23152

final = 5 -> 3 + 2 + 4 + 0 + 3 = 12
final = 4 -> 2 + 1 + 3 + 1 + 2 = 9
final = 3 -> 1 + 0 + 2 + 2 + 1 = 6

final = 2
$$\Rightarrow$$
 0 + 1 + 1 + 3 + 0 \Rightarrow 5

final = 1 \Rightarrow 1 + 2 + 0 + 4 + 1 \Rightarrow 8

Lagrange (4) \Rightarrow 0 est > 7



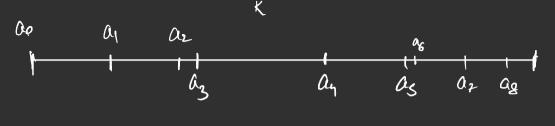
aug- 24

122510

(h) => 14

(2) 0 12

12345900



$$i*x - sum(sx) + sum(sx) - (n-i)x$$

ans = 15

1.) Observation 1: Conveying to a value longer from max (arr) doesn't make sense 2) Observation 2: Conveying to a value smeller from min (arr) doesn't make some

3) Converging to a value that is not a part of the array is not beneficial

$$\begin{array}{l} \text{lift(x)} = \text{left(ai)} + 6 \times (x - ai) \\ \text{right(x)} = \text{right(ai+i)} + 8 \times (a_{i+1} - x) \end{array} \quad \begin{array}{l} \left(a_i \leq x \leq a_{i+1} \right) \\ \end{array}$$



[Try Yourself]

Given a string S and a string T. The target is to return a permutation of s, s.t. It doesn't contain T as a subsequence

- 1. <= len(S) <= 10^5
- 2. $1 \le \text{len}(T) \le 26$ [all the characters in t will be unique]



Thank You!

Reminder: Going to the gym & observing the trainer work out can help you know the right technique, but you'll muscle up only if you lift some weights yourself.

So, PRACTICE, PRACTICE!

