Let's start at 9:02 PM

L47
Hash Map : Classical Problems

RECAP

Today - Practicing Hash Map
(Good Problems)
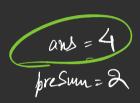
Let's look at a few more in-built DS first.

1. Number of Subarrays that have sum equal to target.

$$[l.\underline{\quad} r] \implies pre[r] - pre[l\text{-}1] = k$$

$$(l \le r)$$

$$(l\text{-}1 < r)$$

$$pre[l-1] = pre[r] - k$$

$$r \implies 0 \leq l \leq r$$

$$-1 \leq l-1 \leq r-1$$

arr = [-1, 2, -1, 1]   K = 1

↑

ans = 4
preSum = 2

{
  0 : 2
  -1 : 1
  1 : 2
}

2. Stock Fluctuation

HashMap   timeToPrice;

TreeMap   priceToFreq;

int   latest Time;

update $\Rightarrow O(1)$

latest $\Rightarrow O(1)$

min $\Rightarrow O(N)$

max $\Rightarrow O(N)$

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, PRACTICE!