

Let's start at 9:05 PM

L48

Mixed Problem Solving

Join Discord - <https://bit.ly/ly-discord>

RECAP

Some really good problems

1. LRU Cache

Input

["LRUCache", "put", "put", "get", "put", "get", "put", "get",
"get", "get"]

[[2], [1, 1], [2, 2], [1], [3, 3], [2], [4, 4], [1], [3],
[4]]

cap = 2

[~~1~~, ~~2~~, ~~1~~, ~~3~~, ~~1~~, 3, 4]

{

3: 3

4: 4

3

HashMap \Rightarrow key \rightarrow value (key To Val)

HashMap \Rightarrow key \rightarrow node (key To Node)

Linked List \Rightarrow keys (keys In Order)

put():

- if (present)

del from LL

add to end of LL.

update the address in keyToNode

update the value in keyToVal.

if (size > cap)

get rid of the LRU key.

2. LFU Cache [hard]

Input

~~["LRUCache", "put", "put", "get", "put", "get", "put", "get", "get", "get"]~~

~~[[2], [1, 1], [2, 2], [1], [3, 3], [2], [4, 4], [1], [3], [4]]~~

cap = 2

minF = 1

key To Val = {1:1, 2:2}

key To freq = {1:1, 2:1}

key To Node = _____

fz1	[1, 2]
fz2	[1]

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!