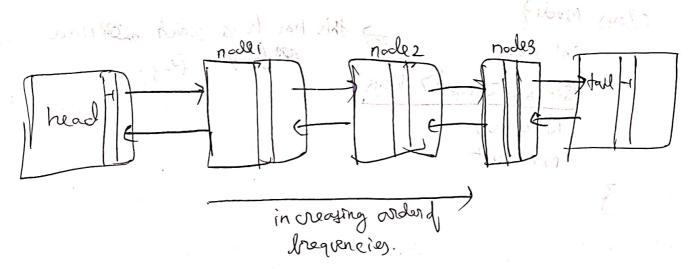
(Mas Frequency Stacke)

I am not able to do this soln by myself. I will note down what my thought process was and then I watched Neet Code's explanation and how beautiful the soln. B.

(Mg Mought Rocks) (LFV)DLL Attemp7)

17 Since porior of this I had done a lot of LFU cache problems, hence my mind was baised over using doubly linkedList. And also montered way there, so my mind way mostly diverting to wards using DLL for implementing something like may Stack



I thought like in LFU cache, I could use a LinkedHashSet. to maintain order of insention.

610.

if you are re-heading this and wondering whoy Linked Hosting,

yo water read the IFU nache problem solving experience,

that you had of sepresh memory

Linked Haytmap, of preserve order of

Linked Haytmap, of preserve order of

Linked Haytmap, of preserve order of

So in the condition are removed the

front as least reconstly osed

But then I remembered that Linked Hostslet is first element, will give the lowest in the Stack of that Prince rency, were Dut we wanted top element

Who ring slack

procession of

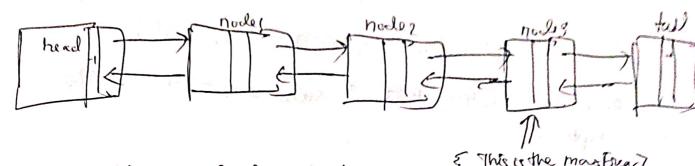
So modified from (LinkedHosthSet 7 Stack)

Clars Node?

Int frequence of this has keys which would now pred frequence frequence of the pred to th

the Apollowing of the order of

3

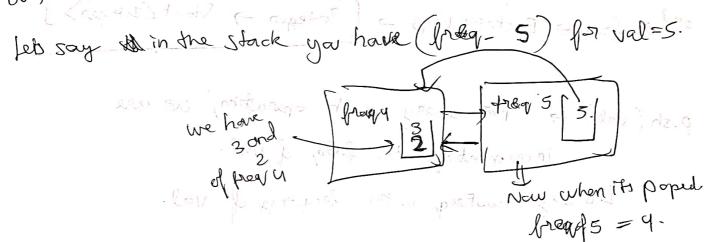


When popCDD called just do, node node S.

This is the marking?

node S.

But, But, But there is a proflem gure,



Now how you have so more sto buy y, without

But the problem is you don't know how the remaining of 4, 5's are in order in stack, making it aproblem, You are loosing the corder and you know don't have any way to maintain order of all the 5's, if you keep 5 only in the node, where its maxfreq is

So, I tried to think more, and thought of using heap, trying a O(log N) pop, (Priority Over Attempt) when well it will work, I can get the tep of the tother, and I can create a custom DLL stack. In the masheap I can have a the enting as

Stock (Nodes) > My the in break

Stack (Nodes) > My the in break

Topdy this stack is 3 happening

Node-createdAt.

Wellthis will support O(legN) pep.

But what happens in case of push (val).

lets say you are pushing a val, whose breg is not at top of the priority-queue, so you have to search the priority queve manually and reinsert it.

of o (N) time, won't work,

(Finally I saw the Editorial)
701000
And the solution, that I saw was so To autifolly Crafted.
Carlindy
(Signal of the second of the
We are using two Hashmaps.
We are using two Hashmaps.
124
1st > val -> Frequency
CI b (the god)
2nd > freq > Backet & Keys. > Integer > Stack (Integer)
fred 7 Bock (1)
to the are
push (val) 7 For every posh operation, we are in one menting the freq of val.
bazy (nar)
in one menting the free of
Lets say new Frequency of val
Lets say new Freq 15 the frequency of
$-V = -\frac{1}{2}(2^{n}f)$
Now in the 2nd flashthap provided a second of suiside of the
for new Freg insent or push this val duthe stad
is possent on Y mall-got prishorn starte or who miero 2
Agam a push happens, new Frey = new frey +1,
in the new Bucked p (Push (val)

of Push (val)
into the
stack.

new Freq

What techically you are doing is, the 1th time any val is getting to posted, you are pushing it into the ith book stack of nombon.

1 3 5 5 4 5 4 4 5 way inserted. I mastrear:

When a pop CD is called (1) you pop the 5 of maxturer or trather you pop the 4th 5 from its bucket

(2) Check If your Brocket's Stack is empty, you do mostrey-, course you know 5 was intented 3 Politime also so it should be in the Stack.

Lastly, keeping a stack for each booket we are maintain under of insention into the stack in case of a the

this is kined of bucket Sort only but such beautiful implement ation.

I am amazedr