

Explore ^{Day 6}

Problems

Mock ^{new}

Contest

June LeetCode Challenge!



Description

Solution

Submissi...

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i Ruby

895. Maximum Frequency Stack

Hard

869

15

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Implement `FreqStack`, a class which simulates the operation of a stack-like data structure.

`FreqStack` has two functions:

- `push(int x)`, which pushes an integer `x` onto the stack.
- `pop()`, which **removes** and returns the most frequent element in the stack.
 - If there is a tie for most frequent element, the element closest to the top of the stack is removed and returned.

Example 1:

Input:

```
["FreqStack", "push", "push", "push", "push", "push", "pop",  
[[], [5], [7], [5], [7], [4], [5], [], [], [], []]]
```

Output:

```
[null, null, null, null, null, null, null, 5, 7, 5, 4]
```

Explanation:

After making six `.push` operations, the stack is `[5, 7, 5, 7, 4, 5]` from bottom to top. Then:

`pop()` -> returns 5, as 5 is the most frequent.
The stack becomes `[5, 7, 5, 7, 4]`.

`pop()` -> returns 7, as 5 and 7 is the most frequent, but 7 is closest to the top.
The stack becomes `[5, 7, 5, 4]`.

```
1 class FreqStack
2   def initialize()
3
4   end
5
6
7 =begin
8   :type x: Integer
9   :rtype: Void
10 =end
11   def push(x)
12
13   end
14
15
16 =begin
17   :rtype: Integer
18 =end
19   def pop()
20
21   end
22
23
24 end
25
26 # Your FreqStack object
27 # obj = FreqStack.new()
28 # obj.push(x)
29 # param_2 = obj.pop()
```

Problems

Pick One

< Prev

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Next >

Console

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