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Problems

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July LeetCode Challenge!



Description

Solution

Discuss (2...)

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i Ruby

## 432. All O`one Data Structure

Hard

612

75

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Implement a data structure supporting the following operations:

1. Inc(Key) - Inserts a new key with value 1. Or increments an existing key by 1. Key is guaranteed to be a **non-empty** string.
2. Dec(Key) - If Key's value is 1, remove it from the data structure. Otherwise decrements an existing key by 1. If the key does not exist, this function does nothing. Key is guaranteed to be a **non-empty** string.
3. GetMaxKey() - Returns one of the keys with maximal value. If no element exists, return an empty string "" .
4. GetMinKey() - Returns one of the keys with minimal value. If no element exists, return an empty string "" .

Challenge: Perform all these in O(1) time complexity.

Accepted 31,810

Submissions 98,504

Seen this question in a real interview before?

Yes

No

Contributors



Companies

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```

1  class AllOne
2
3  =begin
4      Initialize your data
5  =end
6      def initialize()
7
8          end
9
10
11 =begin
12     Inserts a new key <1
13     an existing key by 1.
14     :type key: String
15     :rtype: Void
16 =end
17     def inc(key)
18
19     end
20
21 =begin
22     Decrements an exist
23     1, remove it from the d
24     :type key: String
25     :rtype: Void
26 =end
27     def dec(key)
28
29     end
30
31 =begin
32     Returns one of the l
33     :rtype: String
34 =end
35     def get_max_key()
36
37     end
38
39
40 =begin
41     Returns one of the l
42     :rtype: String
43 =end
44     def get_min_key()
45
46     end

```

Problems

Pick One

&lt; Prev

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Next &gt;

Console

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