

Day 25
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Problems

Interview

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Store

September LeetCode Challenge 2021

Premium



Description

Solution

Discuss (999+)

Submissions

Java

Autocomplete

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278. First Bad Version

Easy

3003

1016

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You are a product manager and currently leading a team to develop a new product. Unfortunately, the latest version of your product fails the quality check. Since each version is developed based on the previous version, all the versions after a bad version are also bad.

Suppose you have n versions $[1, 2, \dots, n]$ and you want to find out the first bad one, which causes all the following ones to be bad.

You are given an API `bool isBadVersion(version)` which returns whether `version` is bad. Implement a function to find the first bad version. You should minimize the number of calls to the API.

Example 1:

Input: $n = 5$, $bad = 4$

Output: 4

Explanation:

call `isBadVersion(3)` -> false

call `isBadVersion(5)` -> true

call `isBadVersion(4)` -> true

Then 4 is the first bad version.

Example 2:

Input: $n = 1$, $bad = 1$

Output: 1

Constraints:

- $1 \leq bad \leq n \leq 2^{31} - 1$

Accepted 666,293

Submissions 1,691,914

Seen this question in a real interview before?

Yes

No

Companies



Related Topics



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```
1  /* The isBadVersion API is defined in the parent
2     class VersionControl.
3         boolean isBadVersion(int version); */
4  public class Solution extends VersionControl {
5      public int firstBadVersion(int n) {
6
7      }
8  }
```

Problems

Pick One

< Prev

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Next >

Console

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Run Code ^

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