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leetcode.com/problems/remove-element/description/

Course Modules: DSC... Algorithm Analysis 3.9 - CSC 3130: Intro... Assigned Reading Jan... 2.21 - CSC 2020: Dat... Syllabus for CSC-289... NotFib Remove Element - Le...

Problem List < > ✕

Description Editorial Solutions Submissions

27. Remove Element

Solved

Easy Topics Companies Hint

Given an integer array `nums` and an integer `val`, remove all occurrences of `val` in `nums` **in-place**. The order of the elements may be changed. Then return the number of elements in `nums` which are not equal to `val`.

Consider the number of elements in `nums` which are not equal to `val` be `k`, to get accepted, you need to do the following things:

- Change the array `nums` such that the first `k` elements of `nums` contain the elements which are not equal to `val`. The remaining elements of `nums` are not important as well as the size of `nums`.
- Return `k`.

Custom Judge:

The judge will test your solution with the following code:

```
int[] nums = [...]; // Input array
int val = ...; // Value to remove
int[] expectedNums = [...]; // The expected answer with correct length.
// It is sorted with no values equaling val.

int k = removeElement(nums, val); // Calls your implementation

assert k == expectedNums.length;
```

4.8K 890 446 Online

Code Accepted

All Submissions

Accepted 116 / 116 testcases passed

Justin_Ho09 submitted at Jan 20, 2026 19:44

Runtime 0 ms Beats 100.00%

Analyze Complexity

150% 100% 50% 0%

1ms 2ms

Code Java

Justin_Ho09

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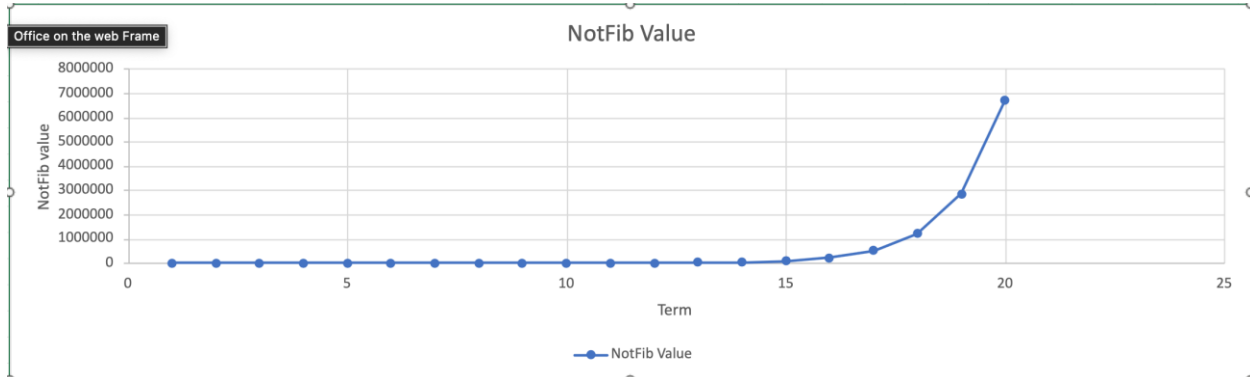
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Testcase Test Result

Case 1 Case 2 +

nums =

</> Source



This plot only shows the first 20 terms in the sequence, and with that the exponential growth of this sequence can be seen. But there are some problems. The first one is that the difference between the first 15 terms is pretty much indistinguishable, and it looks like the not fib value there is 0 when it is not in reality. For example, term 1 is 0 and term 2 is 2, but you cannot tell at this scale. This issue is caused by the distance between each subsequent term growing larger each time. Since they're growing larger and creating greater distance between the current term and previous one, then eventually it will get to a point where only the current term is visibly displaced off the x axis. Another issue is that the growth of the sequence will reach the integer limit before it even reaches the first 1200; it does not even generate the result for the 100th term. So those are the problems encountered when trying to plot the first 1200 numbers of the not Fibonacci sequence.