

Unknown Title



Description

Description



Note

Note



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274. H-Index

Medium



Topics



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Hint

Given an array of integers `citations` where `citations[i]` is the number of citations a researcher received for their i^{th} paper, return *the researcher's h-index*.

According to the [definition of h-index on Wikipedia](#): The h-index is defined as the maximum value of h such that the given researcher has published at least h papers that have each been cited at least h times.

Example 1:

Input: `citations = [3,0,6,1,5]`

Output: 3

Explanation: `[3,0,6,1,5]` means the researcher has 5 papers in total and each of them had received 3, 0, 6, 1, 5 citations respectively.

Since the researcher has 3 papers with at least 3 citations each and the remaining two with no more than 3 citations each, their h-index is 3.

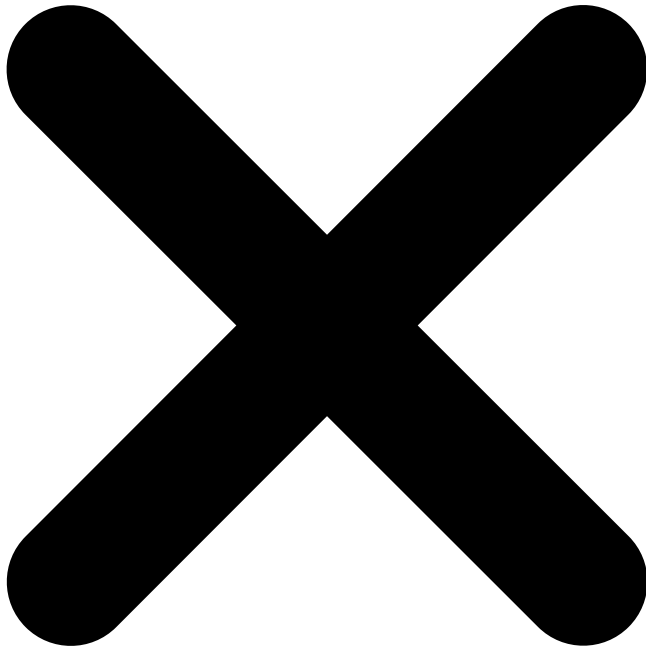
Example 2:

Input: `citations = [1,3,1]`

Output: 1

Constraints:

- `n == citations.length`
- `1 <= n <= 5000`
- `0 <= citations[i] <= 1000`



Seen this question in a real interview before?

1/5

Yes

No

Accepted

570.9K

Submissions

1.4M

Acceptance Rate

39.4%



Companies



Hint 1



An easy approach is to sort the array first.



Hint 2



What are the possible values of h-index?



Hint 3



A faster approach is to use extra space.



Similar Questions



[H-Index II](#)

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Discussion (102)



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2. The problem discussion is for asking questions about the problem or for sharing tips - anything except for solutions.
3. If you'd like to share your solution for feedback and ideas, please head to the solutions tab and post it there.

No comments yet.

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