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## Find H-Index □

Difficulty: Medium Accuracy: 53.4% Submissions: 30K+ Points: 4

Given an integer array **citations[]**, where **citations[i]** is the number of citations a researcher received for the **i**<sup>th</sup> paper. The task is to find the **H-index**.

H-Index is the largest value such that the researcher has at least H papers that have been cited at least H times.

## Examples:

**Input:** citations[] = [3, 0, 5, 3, 0]

Output: 3

Explanation: There are at least 3 papers (3, 5, 3) with at least 3

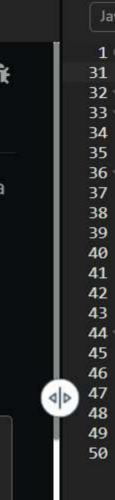
citations.

**Input:** citations[] = [5, 1, 2, 4, 1]

Output: 2

**Explanation:** There are 3 papers (with citation counts of 5, 2, and 4) that have 2 or more citations. However, the H-Index cannot be 3

because there aren't 3 papers with 3 or more citations.



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 Java (1.8) 🔻
                       Start Timer
    1 Driver Code Ends
32 class Solution {
       static int hIndex(int[] citations) {
            int n = citations.length;
            int[] freq = new int[n + 1];
            for (int i = 0; i < n; i++) {
                if (citations[i] >= n)
                    freq[n] += 1;
                else
                    freq[citations[i]] += 1;
            int idx = n:
            int s = freq[n];
            while (s < idx) {
                idx--;
                s += freq[idx];
            return idx;
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```