

Description

Solution

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274. H-Index

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Given an array of citations (each citation is a non-negative integer) of a researcher, write a function to compute the researcher's h-index.

According to the [definition of h-index on Wikipedia](#): "A scientist has index h if h of his/her N papers have **at least** h citations each, and the other $N - h$ papers have **no more than** h citations each."

Example:

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, her h-index is 3.

Note: If there are several possible values for h , the maximum one is taken as the h-index.

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```
class Solution {
    public int hIndex(int[] citations) {
        int k = citations.length;
        Arrays.sort(citations);
        for (int i = 0; i < citations.length; i++) {
            if (citations[i] >= k)
                return k;
            else {
                k--;
            }
        }
        return k;
    }
}
```