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H-Index, H-Index II

H-Index

Input → nums = [3,0,6,1,5]
citations
Unsorted

H-Index II

Input → nums → [0,1,3,5,6]
Sorted

Step1 Create an array of size = num.length+1

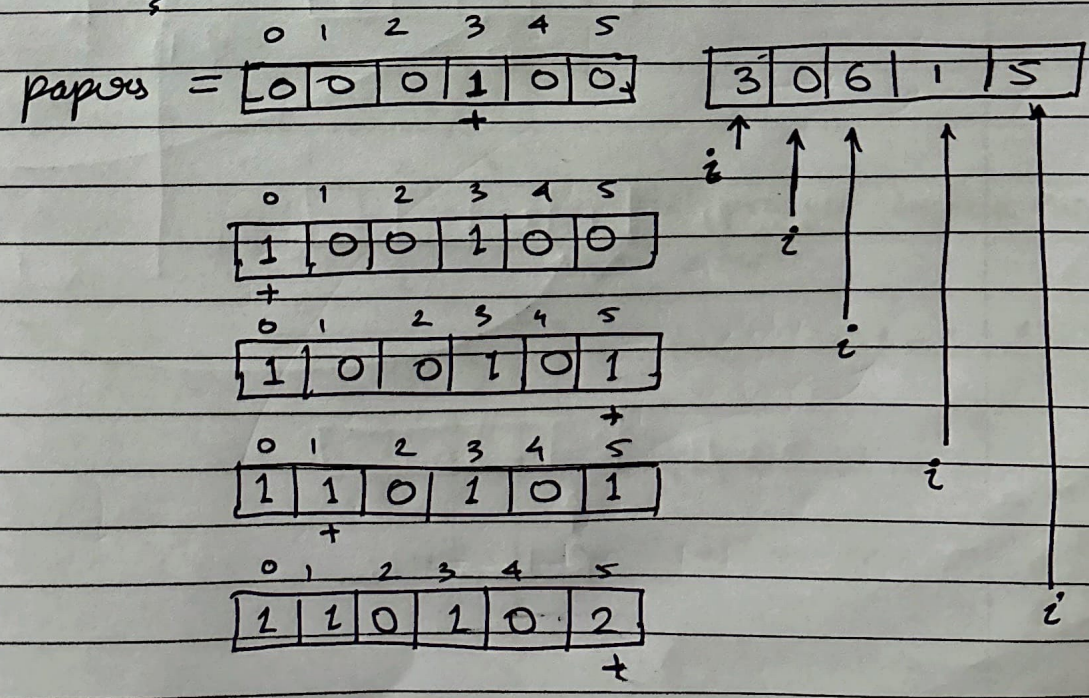
nums = [3,0,6,1,5] ← citations

papers = [0,0,0,0,0,0]

Step2 Iterate nums/citations array & fill papers array such that we increase counts in papers array at index = citations[i] where i=0 to i<n

if citations[i] >= n then we increase count in papers array for index = n

```
for(int i=0; i<n; i++){
    papers[i] ← to be increased from 0 to
}
```

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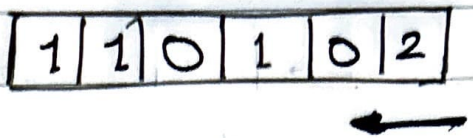
Step 3 Papers array looks like below




Step 4 Iterate for loop from last & count = 0

```
int count = 0
for (i = paper.length - 1; i ≥ 0; i--) {
    count ± papers[i];
    if (count ≥ i) {
        return i; ← This gives the maximum
                    H-Index
    }
}
```

Note: For H-Index II problem we can use the same approach only.