

Revision

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subtract numbers 1

Problem	Submissions	Leaderboard	Discussions
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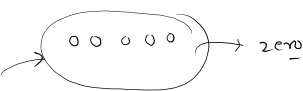
- You are given a non-negative integer array `nums`. In one operation, you must:
- Choose a positive integer `x` such that `x` is less than or equal to the **smallest non-zero element** in `nums`.
 - Subtract `x` from every **positive** element in `nums`.

Return the **minimum** number of operations to make every element in `nums` equal to 0.

Sample Input 0

```
5
1 5 0 3 5
0 4 0 2 4
0 2 0 0 2
```

minimum non zero



op=1
op=2
op=3

n=5

ans = 0, 1, 2, 3

1 5 0 3 5
0 4 0 2 4
0 2 0 0 2
0 0 0 0 0

Count = 5
n == count

min

n=5

Count == n

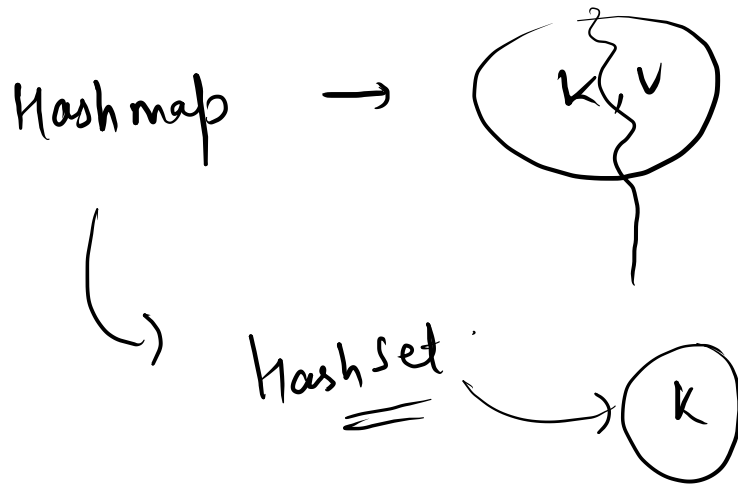
ans = 0, 1, 2, 3

op=1
op=2
op=3

1 5 0 3 5
0 4 0 2 4
0 2 0 0 2
0 0 0 0 0

c=5
C == n

stop



Merge K sorted arrays 2

Problem

Submissions

Leaderboard

Discussions

Given k different arrays, which are sorted individually (in ascending order). You need to merge all the given arrays such that output array should be sorted (in ascending order).

Hint : Use Heaps.

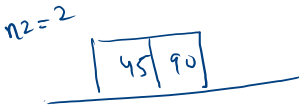
Sample Input 0

```
4
3
1 5 9
2
45 90
5
2 6 78 100 234
1
0
```

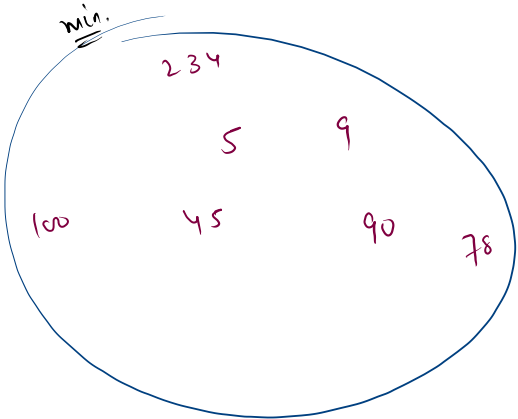
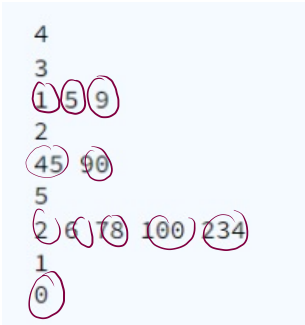
Sample Output 0

```
0 1 2 5 6 9 45 78 90 100 234
```

$K=4$



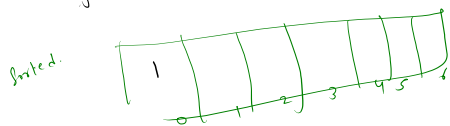
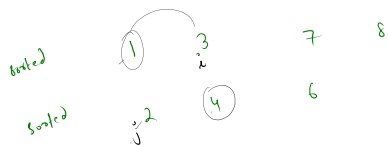
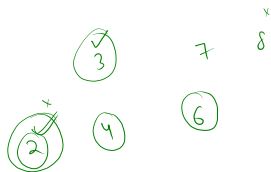
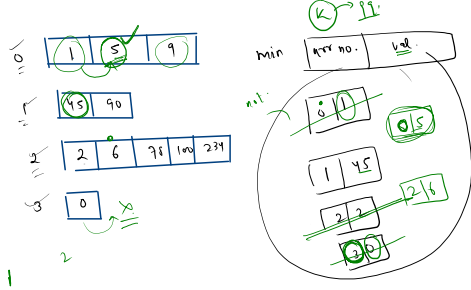
0 1 2



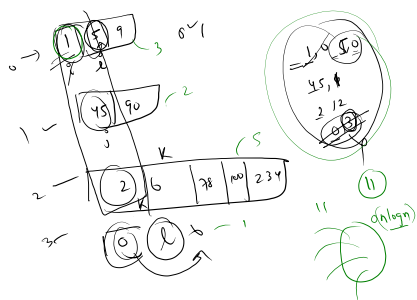
$pq.size() \neq 0$

0 1 2 6 - - - - - ✓

4
3
1 5 9
2
45 90
5
2 6 78 100 234
1
0



4
3
1 5 9
2
45 90
5
2 6 78 100 234
1
0



```

public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int k = scn.nextInt();

    PriorityQueue<Integer> pq = new PriorityQueue(); //min pq

    while(k-- > 0){
        int n = scn.nextInt();
        int [] arr = new int[n];
        for(int i = 0; i < n; i++){
            arr[i] = scn.nextInt();
        }
        for(int ele : arr )
            pq.add(ele);
    }

    while(pq.size() != 0){
        System.out.print(pq.remove() + " ");
    }
}

```

0

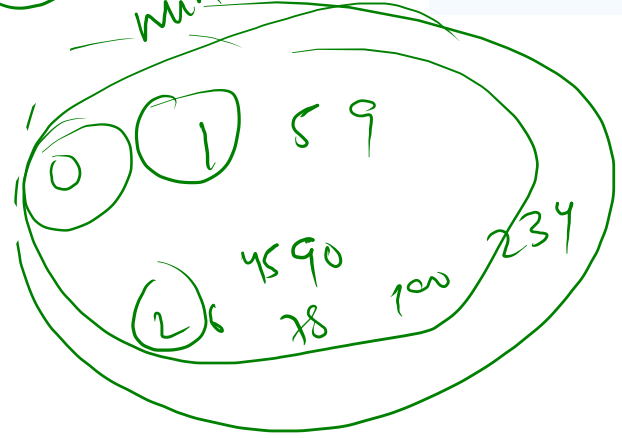
4 > 0

3 > 0

2 > 0

1 > 0

min



→

4

3

1 5 9

2

45 90

5

2 6 78 100 234

1

0