## 73247. Merge two arrays

Input file: standard input
Output file: standard output

Time limit: 1 second Memory limit: 256 megabytes

Given two sorted integer arrays a and b, merge a into b as one sorted array.

## Input

The first line contains one integer n  $(1 \le n \le 10^5) - a$  size. The second line contains n integers  $a_i$   $(1 \le a_i \le 10^5)$  — elements of array. The third line contains one integer m  $(1 \le m \le 10^5)$  — b size. The next line contains m integers  $b_i$   $(1 \le b_i \le 10^5)$  — elements of array.

## Output

Array B into sorted order.

## **Examples**

standard input	standard output
5	2 4 4 5 6 6 7 7 8 10
4 5 6 7 10	
5	
2 4 6 7 8	
3	1 4 6 7
1 4 7	
1	
6	
4	2 2 4 5 7 8 9
2 5 7 8	
3	
2 4 9	
2	1 3 3 6 8 10
3 10	
4	
1 3 6 8	
1	1 1 4 5 6
4	
4	
1 1 5 6	