73242. Duplicates

Input file:	standard input
Output file:	standard output
Time limit:	1 second
Memory limit:	256 megabytes

Given a sorted array, write a program which will delete all duplicates of elements and just save one of them.

Input

The first line contains one integer n $(1 \leqslant n \leqslant 10^5)$ — array size. The next line contains n integers a_i $(1 \leqslant a_i \leqslant 10^5)$ — elements of array.

Output

Array of the unique and sorted elements

Examples

standard input	standard output
3 1 1 4	1 4
2 1 5	1 5
5 1 2 3 4 5	1 2 3 4 5
3 2 3 4	2 3 4
3 1 4 4	1 4