

List of numbers (2)

Given a list of N integers, output the list of top K numbers in descending order. If some numbers are equals, prefer to print the numbers which have higher index.

Input

- The first line contains two integers N and K ($1 \leq N, K \leq 10^5$).
- The next line contains N integers which do not exceed 10^9 .

Output

Include K lines, each line is an integer and the its index in the input.

Sample

Input	Output
5 3 4 1 0 2 1	4 0 2 3 1 4