

Shift Right

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

Given an array A of size N and a number X . Print the array elements after shifting right the elements X times.

For example: if $A = [1, 2, 3]$ then after shifting it to the right for **1** time $A = [3, 1, 2]$.

Note: Solve this problem using function.

Input

First line will contain two number N and X ($1 \leq N \leq 10^4, 1 \leq X \leq 100$).

Second line will contain N number ($1 \leq A_i \leq 10^5$).

Output

Print the array after shifting right its elements X times.

Examples

standard input	standard output
2 2 2 1	2 1
5 21 1 2 3 4 5	5 1 2 3 4