

Quick Left Rotation

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Given an array of size n and multiple values around which we need to left rotate the array.

Input:

First line consists of T test case. First line of every test case consists of N and K , N denoting number of elements of array and K denoting the number of places to shift. Second line of every test case consists of elements of array.

Output:

Single line output, print the rotated array.

Constraints:

$1 \leq T \leq 100$

$1 \leq N \leq 10^4$

$1 \leq K \leq 10^4$

Example:

Input:

1

5 14

1 3 5 7 9

Output:

9 1 3 5 7