

## Reverse array in groups

Given an array, reverse every sub-array formed by consecutive k elements.

### Input:

The first line of input contains a single integer T denoting the number of test cases. Then T test cases follow. Each test case consist of two lines. The first line of each test case consists of an integer N, where N is the size of array. The second line of each test case contains N space separated integers denoting array elements. The third line of each test case consists of an integer K.

### Output:

Corresponding to each test case, in a new line, print the modified array.

### Constraints:

$$1 \leq T \leq 100$$

$$1 \leq N \leq 500$$

$$1 \leq A[i] \leq 500$$

### Example:

#### Input

```
1
5
1 2 3 4 5
3
```

#### Output

```
3 2 1 5 4
```