

## Segregate 0s and 1s

You are given an array of 0s and 1s in random order. Segregate 0s on left side and 1s on right side of the array.

### Input:

The first line of input contains an integer T denoting the number of test cases.

The first line of each test case is N, N is the size of array.

The second line of each test case contains N input C[i].

### Output:

Print 0s on left side and 1s on right side.

### Constraints:

$$1 \leq T \leq 100$$

$$1 \leq N \leq 500$$

$$0 \leq C[i] \leq 1$$

### Example:

#### Input:

2

5

0 0 1 1 0

4

1 1 1 1

**Output:**

0 0 0 1 1

1 1 1 1