Problem D: Queue

Algorithms for Programming Contests

Restrictions

Time: 2 seconds
Memory: 256 Mb

Problem description

Yesterday was presentation of the new smartphone named yPhone and today crowd of customers are waiting for whole day to be the first who enters to the shop that sells these magic phones. Each customer has his own number. These queue starts near one door of the shop and ends on another door. Nobody knows which door will open. Notice that the queue is the straight row of people staying one after another.

You have the list of customers numbers in order as they are staying in the queue. And maybe the order they are going to enter shop is the same as in your list... but may be not (you still don't know which door will be opened). To be sure you need to make another list in case another door will be opened.

Input

The input starts with the number $t \leq 100$ of test cases. Each test case consists of an integer $N(1 \leq N \leq 2048)$ specifying the number of customers in the queue, next row contains the list of customers' numbers in order they are staying starting from the one of the shop doors ($1 \leq n_i \leq 10^8$).

Output

For each test case output a single line which contains the reversed list of the customers' numbers.

Sample input and output

Input	Output
3 5 4 9 8 2 1 1 3 6 1 8 9 7 4 3	1 2 8 9 4 3 3 4 7 9 8 1