

HOME TOP CATALOG CONTESTS GYM PROBLEMSET GROUPS RATING EDU API CALENDAR HELP

PROBLEMS SUBMIT CODE MY SUBMISSIONS STATUS HACKS STANDINGS CUSTOM INVOCATION

### A. Favorite Sequence

time limit per test: 2 seconds memory limit per test: 256 megabytes

Polycarp has a favorite sequence  $a[1 \dots n]$  consisting of n integers. He wrote it out on the whiteboard as follows:

- he wrote the number  $a_1$  to the left side (at the beginning of the whiteboard);
- he wrote the number  $a_2$  to the right side (at the end of the whiteboard);
- then as far to the left as possible (but to the right from  $a_1$ ), he wrote the number  $a_3$ ;
- then as far to the right as possible (but to the left from  $a_2$ ), he wrote the number  $a_4$ ;
- · Polycarp continued to act as well, until he wrote out the entire sequence on the whiteboard.



The beginning of the result looks like this (of course, if  $n \geq 4$ ).

For example, if n=7 and a=[3,1,4,1,5,9,2], then Polycarp will write a sequence on the whiteboard [3,4,5,2,9,1,1].

You saw the sequence written on the whiteboard and now you want to restore Polycarp's favorite sequence.

#### Input

The first line contains a single positive integer t ( $1 \le t \le 300$ ) — the number of test cases in the test. Then t test cases follow.

The first line of each test case contains an integer n ( $1 \le n \le 300$ ) — the length of the sequence written on the whiteboard.

The next line contains n integers  $b_1, b_2, \ldots, b_n$  ( $1 \le b_i \le 10^9$ ) — the sequence written on the whiteboard.

#### Output

Output t answers to the test cases. Each answer — is a sequence a that Polycarp wrote out on the whiteboard.

#### Example

input	Сору
6	
7	
3 4 5 2 9 1 1	
4	
9 2 7 1	
11	
8 4 3 1 2 7 8 7 9 4 2	
1	
42	
2	
11 7	
8	
1111111	
output	Сору
3 1 4 1 5 9 2	
9 1 2 7	
8 2 4 4 3 9 1 7 2 8 7	
42	
11 7	
1 1 1 1 1 1 1	

#### Note

In the first test case, the sequence a matches the sequence from the statement. The whiteboard states after each step look like this:

$$[3] \Rightarrow [3,1] \Rightarrow [3,4,1] \Rightarrow [3,4,1,1] \Rightarrow [3,4,5,1,1] \Rightarrow [3,4,5,9,1,1] \Rightarrow [3,4,5,2,9,1,1].$$

# Finished Practice

## → Virtual participation

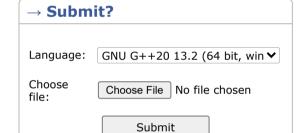
Virtual contest is a way to take part in past contest, as close as possible to participation on time. It is supported only ICPC mode for virtual contests. If you've seen these problems, a virtual contest is not for you -solve these problems in the archive. If you just want to solve some problem from a contest, a virtual contest is not for you -solve this problem in the archive. Never use someone else's code, read the tutorials or communicate with other person during a virtual contest.

Start virtual contest

## → Clone Contest to Mashup

You can clone this contest to a mashup.

Clone Contest



→ Last submissions		
Submission	Time	Verdict
240669910	Jan/07/2024 12:24	Accepted



