



HOME TOP CONTESTS GYM PROBLEMSET GROUPS RATING API HELP CALENDAR

P

PROBLEMS SUBMIT CODE MY SUBMISSIONS STATUS HACKS ROOM STANDINGS CUSTOM INVOCATION

## A. Choose Two Numbers

time limit per test: 1 second memory limit per test: 256 megabytes input: standard input output: standard output

You are given an array A, consisting of n positive integers  $a_1, a_2, \ldots, a_n$ , and an array B, consisting of m positive integers  $b_1, b_2, \ldots, b_m$ .

Choose some element a of A and some element b of B such that a+b doesn't belong to A and doesn't belong to B.

For example, if A=[2,1,7] and B=[1,3,4], we can choose 1 from A and 4 from B, as number 5=1+4 doesn't belong to A and doesn't belong to B. However, we can't choose 2 from A and 1 from B, as 3=2+1 belongs to B.

It can be shown that such a pair exists. If there are multiple answers, print any.

Choose and print any such two numbers.

#### Input

The first line contains one integer n ( $1 \le n \le 100$ ) — the number of elements of A.

The second line contains n integers  $a_1, a_2, \ldots, a_n$  ( $1 \le a_i \le 200$ ) — the elements of A.

The third line contains one integer m ( $1 \le m \le 100$ ) — the number of elements of B.

The fourth line contains m different integers  $b_1, b_2, \ldots, b_m$  ( $1 \le b_i \le 200$ ) — the elements of B.

It can be shown that the answer always exists.

## Output

Output two numbers a and b such that a belongs to A, b belongs to B, but a+b doesn't belong to nor A neither B.

If there are multiple answers, print any.

# **Examples** input Сору 20 10 20 output Сору 20 20 input Copy 3 3 2 2 1 5 7 7 9 output Copy 3 1 input Сору 1 3 5 7 7 5 3 1 output Copy

# Codeforces Round #580 (Div. 2) 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 ACM-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

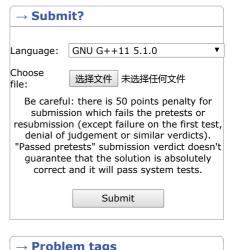
#### → Practice

You are registered for practice. You can solve problems unofficially. Results can be found in the contest status and in the bottom of standings.

## → Clone Contest to Mashup

You can clone this contest to a mashup.

Clone Contest





## → Contest materials

Announcement #1 (en)

Announcement #2 (ru)

### Note

In the first example, we can choose 20 from array [20] and 20 from array [10,20]. Number 40=20+20 doesn't belong to any of those arrays. However, it is possible to choose 10 from the second array too.

In the second example, we can choose 3 from array [3,2,2] and 1 from array [1,5,7,7,9]. Number 4=3+1 doesn't belong to any of those arrays.

In the third example, we can choose 1 from array [1,3,5,7] and 1 from array [7,5,3,1]. Number 2=1+1 doesn't belong to any of those arrays.

<u>Codeforces</u> (c) Copyright 2010-2019 Mike Mirzayanov
The only programming contests Web 2.0 platform
Server time: Aug/19/2019 10:14:04<sup>UTC+8</sup> (e1).

Desktop version, switch to mobile version.

<u>Privacy Policy.</u>

Supported by



