DMPG '17 B1 - Whale and Soul

Time limit: 2.0s **Memory limit:** 64M

In the context of online games, a **whale** is a player who spends great sums of real money on video games. A *certain whale* has discovered N different membership options for a game they play, with the i-th costing c_i dollars and lasting d_i days. Keeping in mind that this whale would like to have membership for as long as possible while minimizing how much they swipe their credit card for, can you help them determine the best membership option?

Input Specification

Line 1: a single integer, N.
Lines $2 \ldots N+1$: line i will contain two space separated integers, c_i and d_i.

Output Specification

Two space separated integers, the values c_i and d_i representing the best membership.

Constraints

$1 \leq N \leq 10$
$1 \leq c_i, d_i \leq 100$

Sample Input

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

Sample Output

```
1 4
```

Explanation for Sample Output

The first membership lasts for 4 days, which is greater than the duration of the other two memberships (lasting only 1 day).

Since it is the cheapest membership (in this case, the only one) lasting 4 days, the whale should take it.