



## Task 1: Area

Stuart has  $n$  rectangular frames, which are numbered from 1 to  $n$ . Frame  $i$  is a rectangle with height  $h[i]$  and width  $w[i]$ .

The size of a frame is the area that it covers. Stuart wants you to help him find the area covered by the largest size frame that he has.

### Input format

Your program must read from standard input.

The first line of input contains exactly 1 integer,  $n$ .

The next  $n$  lines of input contains two space-separated integers each. The  $i$ -th such line of input will contain  $h[i]$  and  $w[i]$  respectively, representing the height and width of frame  $i$ .

### Output format

Your program must print to standard output.

The output should contain one integer, the area covered by the largest size frame Stuart has.

The output should contain only a single integer. Do not print any additional text such as 'Enter a number' or 'The answer is'.

### Subtasks

For all testcases, the input will satisfy the following bounds:

- $1 \leq n \leq 100$
- $1 \leq h[i], w[i] \leq 1000$

Your program will be tested on input instances that satisfy the following restrictions:



Subtask	Marks	Additional Constraints
1	50	$n = 1$
2	50	No additional restrictions

## Sample Testcase 1

This testcase is valid for subtask 2 only.

Input	Output
3 5 9 19 4 8 10	80

## Sample Testcase 1 Explanation

The size of frame 1 is  $h[1] \times w[1] = 5 \times 9 = 45$ .

The size of frame 2 is  $h[2] \times w[2] = 19 \times 4 = 76$ .

The size of frame 3 is  $h[3] \times w[3] = 8 \times 10 = 80$ .

Among the above frames, the largest size is 80.

## Sample Testcase 2

This testcase is valid for subtask 2 only.

Input	Output
5 8 2 4 9 3 8 1 7 9 4	36