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