


Assignment Case	
CH1Special	
Periode Berlaku Semester Ganjil 2021/2022 Valid on Odd Semester Year 2021/2022	Software Laboratory Center Assistant Recruitment 22-1

Soal

Case

The Biggest Island

You are a pirate that wants to settle down with your “booty” on an island (it means treasures in pirate language). But you are a greedy pirates, so you want to find **the biggest island** in the area.

Input

The program will ask for two integers, **y** and **x**. For the next **y-lines** there will be **x-integers** that will be form into a **grid**.

Constraint

$1 \leq \text{sizeof}(x), \text{sizeof}(y) \leq 50$

grid[y][x] is either 0 or 1.

Output

Print the **maximum area** of the island.

Example (Print out one ‘\n’ at the end of the results)

Input	Output
8 13 0 0 1 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 0 0 0 0 1 1 0 1 0 0 0 0 0 0 0 0 0 1 0 0 1 1 0 0 1 0 1 0 0 0 1 0 0 1 1 0 0 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 1 1 1 0 0 0 0 0 0 0 0 0 0 1 1 0 0 0 0	6
1 8 0 0 0 0 0 0 0 0	0

Explanation

0	0	1	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	0	0	1	1	1	0	0	0
0	1	1	0	1	0	0	0	0	0	0	0	0
0	1	0	0	1	1	0	0	1	0	1	0	0
0	1	0	0	1	1	0	0	1	1	1	0	0
0	0	0	0	0	0	0	0	0	0	1	0	0
0	0	0	0	0	0	0	1	1	1	0	0	0
0	0	0	0	0	0	0	1	1	0	0	0	0

Figure 1. First Test Case

The area of all islands (that are labelled green) are 1, 4, 4, 5, 6 and 5. The biggest area is 6, so the result is 6.