

Java 2D Array 🌣

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You are given a 6 * 6 2D array. An hourglass in an array is a portion shaped like this:

аbс d e f g

For example, if we create an hourglass using the number 1 within an array full of zeros, it may look like this:

1 1 1 0 0 0 $0\ 1\ 0\ 0\ 0\ 0$ 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 $\ \, \Theta \ \,$

Actually, there are many hourglasses in the array above. The three leftmost hourglasses are the following:

111 110 1 0 0 1 0 0 111 110

The sum of an hourglass is the sum of all the numbers within it. The sum for the hourglasses above are 7, 4, and 2, respectively.

In this problem you have to print the largest sum among all the hourglasses in the array.

There will be exactly 6 lines, each containing 6 integers seperated by spaces. Each integer will be between -9 and 9inclusive.

Output Format

Print the answer to this problem on a single line.

Sample Input

1 1 1 0 0 0 0 1 0 0 0 0 1 1 1 0 0 0 0 0 2 4 4 0 0 0 0 2 0 0 0 0 1 2 4 0

Sample Output

19

Explanation

The hourglass which has the largest sum is:

Author Shafaet Difficulty Easy Max Score 10 Submitted By 52183

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```
▼ ⑤ [2] ⑥
                                         Change Theme
                                                       Java 8
      import java.io.*;
  1
      import java.math.*;
      import java.security.*;
      import java.text.*;
  5
      import java.util.*;
  6
      import java.util.concurrent.*;
      import java.util.regex.*;
  8
  9 ⊟ public class Solution {
 10
          private static final Scanner scanner = new Scanner(System.in);
 14
 15 E
          public static void main(String[] args) {
              int[][] arr = new int[6][6];
 18 ⊟
              for (int i = 0; i < 6; i++) {
                  String[] arrRowItems = scanner.nextLine().split(" ");
 20
                  scanner.skip("(\r| [\n\r|u2028\u2029\u0085])?");
 22 ⊞
                  for (int j = 0; j < 6; j++) {
                      int arrItem = Integer.parseInt(arrRowItems[j]);
                      arr[i][j] = arrItem;
 26
 28
              scanner.close();
 29
 30
                                                                              Line: 1 Col: 1
Test against custom input
                                                                            Submit Code
                                                               Run Code
```

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