1. Class Performance 2

Problem Description

You have been given a dataset for marks of 2 subjects, scored by students of classes **ClassA** and **ClassB**. You now want to compare the performances of **class A** and **class B** by finding out the **average** performance of the classes. Write a program to **find if class A performed better**. **Print** True is Class A is strictly better else return False.

Input Format

There are 4 lines in the input.
The first and second lines are marks of subjects for Class A.
The third and fourth lines are marks of subjects for Class B.

Output Format

Print True if class A is strictly better else False.

Example Input

Input 1:-

```
80
27
54
61
```

Input 2:-

```
54
61
80
27
```

Example Output

Output 1:-

```
False
```

Output 2:-

```
True
```

Sample Exaplanation

Explanation 1:-

```
The average marks of class A is (80 + 27)/2 = 53.5, and the
average of class B is (54 + 61)/2 = 57.5, so class B's
average
is better hence False is printed.
```

Explanation 2:-

```
The average marks of class A is(54 + 61)/2 = 57.5, and the
average of class B is(80 + 27)/2 = 53.5, so class A's average
is better hence True is printed.
```

2. Min of two

Problem Description

Write a program to input two numbers(**A & B**) from user and print the minimum element among A & B in each line.

Problem Constraints

1 <= A <= 1000000

1 <= B <= 1000000

Input Format

First line is a single integer **A**.
Second line is a single integer **B**.

Output Format

One line containing an integer as per the question.

Example Input

Input 1:

```
5
6
```

Input 2:

```
1000
10000
```

Example Output

Output 1:

```
5
```

Output 2:

```
1000
```

3. All correct about x

You have been given the following piece of code. Assume that x has already been declared.

```
if x > 2:
    x = x*2
if x > 4:
    x = 0
print(x)
```

Select the correct statement regarding this code.

A. Output will always be equal to 0
B. If x > 2 and x < 4, final value of x will be double the initial value
C. For x in 0 < x < 4 the output will always be 0
D. For x > 2, output will be equal to 0

4. If-else output

What will be the output of the following code:

```
x = 2
if x==2:
    x = 3
x = 4
else:
    x = 5
print(x)
```

A. 3
B. 4
C. 5
D. Error

5. Guide the coordinate

Problem Description
Given the **(x, y)** coordinates of a point on a 2D plane, write a program that transforms these coordinates according to the conditions given below.

- If the sum of **x** and **y** coordinates is a multiple of 5, then increment both the coordinates by 1 and print.
- If the **x** coordinate is even and the **y** coordinate is odd, then increment **y** by 1 and print both.
- If the **y** coordinate is even and the **x** coordinate is odd, then increment **x** by 1 and print both.

Input Format

```
Two lines containing integer x and y.
```

Output Format

```
Two lines containing transformed integer values of x and y.
```

Sample Input

```
15
10
```

Sample Output

```
16
11
```