https://course.acciojob.com/idle?question=33e6ba89-213a-4b0c-a269-9ec8f84608cf

- EASY
- Max Score: 30 Points

Number of bits to be flipped

You are given 2 numbers `A` and `B`. Your task is to count the number of bits of `A` to be flipped to make it `B`.

Input Format

First line of input contains 2 space seperated integers number `A` and `B`.

Output Format

Determine the number of bits of `A` to be flipped to make it `B`.

Example 1

Input

```
7 10
```

Output:

```
3
```

Explanation:

A is 00000111, B is 00001010. We need to flip highlighted bits in A to make it B.

Example 2

Input

```
10 20
```

Output:

```
4
```

Explanation:

A = 01010, B = 10100.As we can see, the bits of A that need to be flipped are 01010. If we flip these bits, we get 10100, which is B.

Constraints

```
1 <= A,B <= 10^6
```

Topic Tags

- Math
- Basics

My code

```
// in java
import java.util.*;
import java.lang.*;
import java.io.*;

public class Main
{
	public static void main (String[] args) throws java.lang.Exception
	{
		//your code here
		Scanner s=new Scanner(System.in);
```

```
            int n=s.nextInt();
            int m=s.nextInt();
            int c=0;
            while(true)
                  {
                        if(n==0 && m==0)
                              break;
                        if(n%2!=m%2)
                              c++;
                        n/=2;
                        m/=2;

                  }
            System.out.print(c);
      }
}
```