Elite-S012-Bitwise

Solved Challenges **2/3**

Back To Challenges List

Flip Bits Count

ID:5160 **Solved By 1239 Users**

The program must accept two integers **A** and **B** as the input. The program must print the number of bits to be flipped to convert A to B as the output.

Boundary Condition(s):
2 <= A, B <= 10^8

Input Format:
The first line contains A and B separated by a space.

Output Format:
The first line contains the number of bits to be flipped to convert A to B.

Example Input/Output 1:
Input:
12 10

Output:
2

Explanation:
The binary representation of 12 is 1100.
The binary representation of 10 is 1010.
After flipping the middle 2 bits in the binary representation of 12, it becomes the binary representation of 10.
So 2 is printed as the output.

Example Input/Output 2:
Input:
10 20

Output:
4

Max Execution Time Limit: 500 millisecs

Ambiance

C (gcc 8.x)

Reset

```c
#include<stdio.h>
#include<stdlib.h>

int main()
{
    int N,M;
    scanf("%d %d",&N,&M);
    int xo = N^M;
    int count=0;
    while(xo!=0)
    {
        if(xo&1)
        count++;

        xo = xo>>1;

    }
    printf("%d",count);
}
```

Code did not pass the execution

TestCase ID: 16281

Input:

5 6

Expected Output:

2

Your Program Output:

```
1
```

Save Run

Run with a custom test case (Input/Output)