(10%) Hamming Distance (b)

Description

Given two bit sequences of equal length, their Hamming distance is the number of positions at which the corresponding bits are different. For example, the Hamming distance between bit sequences 00100100 and 10011001 is 6.

(b) Write a program that accepts two integers (32-bit signed integers) and outputs the Hamming distance of the corresponding bit sequences of the two integers.

Input

Two 32-bit signed integers separated by white space.

Output

A number - the Hamming distance between the two input numbers.

Sample Input 1

```
36 153
```

Sample Output 1

```
6
```

Language: C++ Theme: Solarized Light

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You have solved the problem

Contest has ended

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