Min operations

Given two numbers **a** and **b**. In one operation you can pick any non negative integer **x** and either of **a** or **b**. Now if you picked **a** then replace **a** with **a&x** else if you picked **b** then replace **b** with **b&x**.

Return the minimum number of operation required to make **a** and **b** equal.

Note: Here **&** represents bitwise **AND** operation.

Example 1:

```
Input:
a = 5, b = 12
Output:
2
Explanantion:
In first operation replace
a = a&4 = 4
after that replace
b = b&6 = 4
Hence both are same after applying two
operations.
```

Example 2:

```
Input:
a = 100, b = 100
Output:
0
Explanation:
Already same.
```

Your Task:

You don't need to read, input, or print anything. Your task is to complete the function ***solve( ),*** which takes two integers **a** and **b** as input parameters and returns the answer.

Expected Time Complexity: O(1)
Expected Auxiliary Space: O(1)

Constraints:

$0 \leq a, b \leq 10^9$