Bit Difference

Basic Accuracy: 63.36% Submissions: 18384 Points: 1

You are given two numbers **A** and **B**. The task is to **count the number of bits needed to be flipped** to **convert** A to B.

Example 1:

```
Input: A = 10, B = 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.
```

Example 2:

```
Input: A = 20, B = 25
Output: 3
Explanation:
A  = 10100
B  = 11001
As we can see, the bits of A that need
to be flipped are 10100. If we flip
these bits, we get 11001, which is B.
```

Your Task: The task is to complete the function **countBitsFlip**() that **takes A and B** as parameters and **returns** the **count** of the **number of bits to be flipped** to convert **A to B**.

Expected Time Complexity: O(log N).
Expected Auxiliary Space: O(1).

Constraints:
$1 \leq A, B \leq 10^6$

Topic Tags

- Bit Magic

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