

1318. Minimum Flips to Make a OR b Equal to c

Hint 

Medium



1.6K

89



Companies

Given 3 positive numbers `a`, `b` and `c`. Return the minimum flips required in some bits of `a` and `b` to make (`a OR b == c`). (bitwise OR operation).

Flip operation consists of change **any** single bit 1 to 0 or change the bit 0 to 1 in their binary representation.

Example 1:

00 1 0 -> a		000 1 -> a
01 1 0 -> b		0100 -> b
-----		-----
0101 -> c		0101 -> c

Input: a = 2, b = 6, c = 5

Output: 3

Explanation: After flips a = 1, b = 4, c = 5 such that (`a OR b == c`)

Example 2:

Input: a = 4, b = 2, c = 7

Output: 1

Example 3:

Input: a = 1, b = 2, c = 3

Output: 0

Constraints:

- `1 <= a <= 10^9`
- `1 <= b <= 10^9`
- `1 <= c <= 10^9`

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Yes No

Discussion (36)

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