

**Problem**

Submissions

[◀ All Problems \(JavaScript:void\(0\)\)](#)

## AND Counting

Accuracy: 0.0% Submissions: 0 Points: 40

Given an integer **N**. You have to find the number of integers **X** such that

- $X \leq N$
- $X \& N > 0$

Here **&** denotes Bitwise AND operator.

### Example 1:

**Input:**

N = 16

**Output:**

1

**Explanation:**

X can only be 16.

### Example 2:

**Input:**

N = 5

**Output:**

4

**Explanation:**

X can be 1, 3, 4 or 5.

### Your Task:

You don't need to read, input, or print anything. Your task is to complete the function **count()**, which takes an integer **N** as an input parameter and returns the count of integers that satisfies the above condition.

### Constraints:

 $1 \leq N \leq 10^9$

Java (1.8) ▼

Test against custom input



```
1   // } Driver Code Ends
10 //User function Template for Java
11
12 class Solution
13 {
14     public static int count(int N)
15     {
16         //write your
17         int count = 0;
18
19         for (int x = 1; x<=N+1; x++) {
20             if ( x & N>0 ) { 
21                 count++;
22             }
23         }
24         return count;
25     }
26 }
27  // } Driver Code Ends
```



Compile &amp; Run

Submit