Practice (https://practice.geeksforgeeks.org/home/)

🕐 Time Left :
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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 | ☀ ↺ ⛶ |

```java
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 & Run   Submit