

1342. Number of Steps to Reduce a Number to Zero

Description

Given an integer `num`, return *the number of steps to reduce it to zero*.

In one step, if the current number is even, you have to divide it by `2`, otherwise, you have to subtract `1` from it.

Example 1:

Input: `num = 14`

Output: `6`

Explanation:

Step 1) 14 is even; divide by 2 and obtain 7.
Step 2) 7 is odd; subtract 1 and obtain 6.
Step 3) 6 is even; divide by 2 and obtain 3.
Step 4) 3 is odd; subtract 1 and obtain 2.
Step 5) 2 is even; divide by 2 and obtain 1.
Step 6) 1 is odd; subtract 1 and obtain 0.

Example 2:

Input: `num = 8`

Output: `4`

Explanation:

Step 1) 8 is even; divide by 2 and obtain 4.
Step 2) 4 is even; divide by 2 and obtain 2.
Step 3) 2 is even; divide by 2 and obtain 1.
Step 4) 1 is odd; subtract 1 and obtain 0.

Example 3:

Input: `num = 123`

Output: `12`

Constraints:

- `0 <= num <= 106`

