

1342. Number of Steps to Reduce a Number to Zero

(將數值降到 0 的步驟數目)

傳入一個整數 `num`, 回傳共需多少步驟才能將 `num` 降成 0.

每一個步驟可以執行的動作如下：如果目前的值是偶數, 將它的值除以 2, 如果是奇數, 將它減 1.

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:

- $0 \leq \text{num} \leq 10^6$