

Number of 1 Bits

Easy Accuracy: 64.8% Submissions: 17431 Points: 2

Given a positive integer N, print count of set bits in it.

Example 1:

Input:

N = 6

Output:

2

Explanation:

Binary representation is '110'

So the count of the set bit is 2.

Example 2:

Input:

8

Output:

1

Explanation:

Binary representation is '1000'

So the count of the set bit is 1.

Your Task:

You don't need to read input or print anything. Your task is to complete the function **setBits()** which takes an Integer N and returns the count of number of set bits.

Expected Time Complexity: $O(\log N)$

Expected Auxiliary Space: $O(1)$

Constraints:

$$1 \leq N \leq 10^9$$

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