Elite-S022-Greedy

Solved Challenges **0/2**

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Minimum Operations - Zero to N

ID:11100 **Solved By 673 Users**

The program must accept an integer **N** as the input. The program must print the minimum number of operations required to reach N from 0. There are two types of operations which are given below.
- Double the integer
- Add one to the integer

Boundary Condition(s):
1 <= N <= 10^8

Input Format:
The first line contains N.

Output Format:
The first line contains the minimum number of operations required to reach N from 0.

Example Input/Output 1:
Input:
8

Output:
4

Explanation:
Here N = 8
1st operation = 0 + 1 = 1
2nd operation = 1 + 1 = 2
3rd operation = 2 * 2 = 4
4th operation = 4 * 2 = 8

Example Input/Output 2:
Input:
43

Output:
9

Max Execution Time Limit: 500 millisecs

Ambiance

Python3 (3.x)

Reset

```
n = int(input())
count = 0
if(n<=2):
    print(n)
    exit()
while(n>2):
    if(n%2==0):
        n=n/2
    else:
        n=n-1
    count+=1
print(count+2)

```

Custom test case has passed.

SUCCESS

You have executed a custom test case. Kindly un-check "Run with a custom test case (Input/Output)" to execute challenge test cases.

Save Run

☐ Run with a custom test case (Input/Output)