

Description

Solution

Discuss (624)

Submissions

172. Factorial Trailing Zeroes

Easy9981225Add to ListShare

Given an integer n , return *the number of trailing zeroes in $n!$* .

Follow up: Could you write a solution that works in logarithmic time complexity?

Example 1:

Input: $n = 3$
Output: 0
Explanation: $3! = 6$, no trailing zero.

Example 2:

Input: $n = 5$
Output: 1
Explanation: $5! = 120$, one trailing zero.

Example 3:

Input: $n = 0$
Output: 0

Constraints:

- $1 \leq n \leq 10^4$

Accepted 222,891Submissions 589,501

Seen this question in a real interview before?

YesNo

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```
class Solution {
public:
    int trailingZeroes(int n) {
        int fives=0;
        int x=5;
        while(n>=x){
            fives+=n/x;
            x*=5;
        }
        return fives;
    }
};
```

Testcase

Run Code Result

Debugger

Accepted

Runtime: 4 ms

Your input

3

Output

0

Diff

Expected

0