172. Factorial Trailing Zeroes

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Total Accepted: **81160** Total Submissions: **232685** Difficulty: **Easy** Contributors: **Admin**

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

Note: Your solution should be in logarithmic time complexity.

Credits:

Special thanks to @ts (https://oj.leetcode.com/discuss/user/ts) for adding this problem and creating all test cases.

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Python

```python
class Solution(object):
    def trailingZeroes(self, n):
        """
        :type n: int
        :rtype: int
        """
        count=0
        i=1
        for num in range(n,n-11,-1):
            if num%5==0:
                n=num
                break
        while i<n:
            i=i*5
            count=count+n//i
        return count


```

Custom Testcase ☑

Contribute Testcase

101

One line for one parameter. Hint

Run Code | Submit Solution

Run Code Status: Finished

Run Code Result:

Your input

101

Your answer

24

Expected answer

24

Show Diff

Runtime: 58 ms

Note: is Run Code inconsistent with Submit Solution? If you are using global variables or C/C++, check this (/faq/#different-output) out.