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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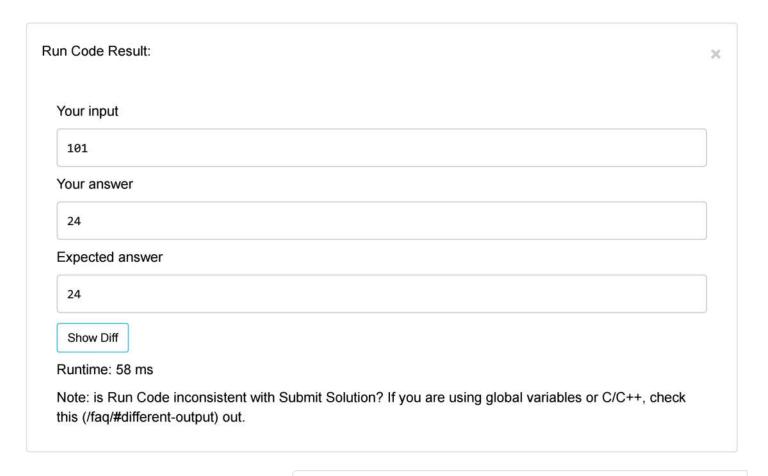
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Python • 2 </>
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```
class Solution(object):
 2
         def trailingZeroes(self, n):
 3
 4
             :type n: int
 5
             :rtype: int
 6
 7
             count=0
 8
 9
             for num in range(n,n-11,-1):
10
                 if num%5==0:
11
                      n=num
12
                      break
             while i<n:
13
                 i=i*5
14
15
                 count=count+n//i
16
             return count
17
18
```



Run Code Status: Finished



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