

Description

Solution

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Submissions

1281. Subtract the Product and Sum of Digits of an Integer

Easy

👍 984

🗨️ 180

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Given an integer number `n` , return the difference between the product of its digits and the sum of its digits.

Example 1:

Input: `n = 234`
Output: `15`
Explanation:
Product of digits = `2 * 3 * 4 = 24`
Sum of digits = `2 + 3 + 4 = 9`
Result = `24 - 9 = 15`

Example 2:

Input: `n = 4421`
Output: `21`
Explanation:
Product of digits = `4 * 4 * 2 * 1 = 32`
Sum of digits = `4 + 4 + 2 + 1 = 11`
Result = `32 - 11 = 21`

Constraints:

- `1 <= n <= 10^5`

Accepted 197,545

Submissions 229,693

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Yes

No

Companies

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```
1  class Solution {
2      public int subtractProductAndSum(int n) {
3
4          int digitSum = 0;
5          int product = 1;
6
7          while(n != 0){
8              int digit = n % 10;
9              n = n /10;
10             digitSum += digit;
11             product *= digit;
12         }
13
14         return product - digitSum;
15     }
16 }
```

⋮

Testcase

Run Code Result

Debugger 🔒

▼

Accepted Runtime: 0 ms ?

Your input

234

Output

15

Diff

Expected

15