

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

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

Solution:

```
class Solution(object):
```

```
    def subtractProductAndSum(self, n):
```

```
        """
```

```
        :type n: int
```

```
        :rtype: int
```

```
        """
```

```
        product = 1
```

```
        Sum = 0
```

```
        for i in str(n):
```

```
            product = product * int(i)
```

```
            Sum = Sum + int(i)
```

```
        return product - Sum
```

Success [Details >](#)

Runtime: 32 ms, faster than 7.31% of Python online submissions for Subtract the Product and Sum of Digits of an Integer.

Memory Usage: 12.6 MB, less than 89.20% of Python online submissions for Subtract the Product and Sum of Digits of an Integer.

Next challenges:

[Find the Derangement of An Array](#)

[Rabbits in Forest](#)

[Adding Two Negabinary Numbers](#)

Show off your acceptance:



Time Submitted	Status	Runtime	Memory	Language
a few seconds ago	Accepted	32 ms	12.6 MB	python

```
1 class Solution(object):
2     def subtractProductAndSum(self, n):
3         """
4         :type n: int
5         :rtype: int
6         """
7         product = 1
8         Sum = 0
9         for i in str(n):
10             product = product * int(i)
11             Sum = Sum + int(i)
12         return product - Sum
13
```

Testcase Run Code Result Debugger

Accepted Runtime: 12 ms

Your input

234

Output

15

Expected

15