

Plus One

Question

Solution

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Total Accepted: **63737** Total Submissions: **209519** Difficulty: **Easy**

Given a non-negative number represented as an array of digits, plus one to the number.

The digits are stored such that the most significant digit is at the head of the list.

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Python ▼



```
1 class Solution(object):
2     def plusOne(self, digits):
3         """
4         :type digits: List[int]
5         :rtype: List[int]
6         """
7         length = len(digits)
8         digits[length-1] += 1
9         for i in range(length-1, 0, -1):
10             if digits[i] > 9:
11                 digits[i-1] += digits[i] / 10
12                 digits[i] %= 10
13         if digits[0] > 9:
14             newDigits = [0 for i in range(length+1)]
15             newDigits[0] = digits[0] / 10
16             newDigits[1] = digits[0] % 10
17             for i in range(2, length+1):
18                 newDigits[i] = digits[i-1]
19             return newDigits
20         return digits
```

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