class Solution(object):

def plusOne(self, digits):

"""

:type digits: List[int]

:rtype: List[int]

"""

# Traverse the list from the last element to the first

for i in range(len(digits)-1, -1, -1):

# If the current digit is 9, set it to 0

if digits[i] == 9:

digits[i] = 0

else:

# If the current digit is not 9, increment it by 1 and return the list

digits[i] = digits[i] + 1

return digits

# If all digits are 9, prepend 1 to the list

return [1] + digits