

Plus One

Question: 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.

For Example:

478 will be represented as [4,7,8]

Solutions:

class Solution:

@param digits, a list of integer digits

@return a list of integer digits

def plusOne(self, digits):

flag = 1

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

if digits[i] + flag == 10:

digits[i] = 0

flag = 1

else:

digits[i] = digits[i] + flag

flag = 0

if flag == 1:

digits.insert(0, 1)

return digits

Solution().plusOne([4,0,0])