Plus One - Completed

Difficulty: Easy

Leetcode: http://leetcode.com/problems/plus-one/description/

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Description:

You are given a **large integer** represented as an integer array `digits`, where each `digits[i]` is the `ith` digit of the integer. The digits are ordered from most significant to least significant in left-to-right order. The large integer does not contain any leading `0`'s.

Increment the large integer by one and return *the resulting array of digits*.

Example 1:

Input: digits = [1,2,3] Output: [1,2,4] Explanation: The array represents the integer 123. Incrementing by one gives 123 + 1 = 124. Thus, the result should be [1,2,4].

Example 2:

Input: digits = [4,3,2,1] Output: [4,3,2,2] Explanation: The array represents the integer 4321. Incrementing by one gives 4321 + 1 = 4322. Thus, the result should be [4,3,2,2].

Example 3:

Input: digits = [9] Output: [1,0] Explanation: The array represents the integer 9. Incrementing by one gives 9 + 1 = 10. Thus, the result should be [1,0].

Constraints:

- `1 <= digits.length <= 100`
- `0 <= digits[i] <= 9`
- `digits` does not contain any leading `0`'s.

Tags

array, math

M., - Accepted

Created at: 2025-04-28 Last modified: 2025-04-28 Language: Python

Explanation

- Time: O()
- Space: O()

AI Analysis

- Time: O()
- Space: O()

The provided solution is not a valid implementation for the plus one problem. It only contains a function named `console` which prints "AS". It doesn't address the core logic of incrementing the large integer represented by the digit array. Thus, it is incorrect. There's no relevant time or space complexity to analyze.

```
def console(): print("AS")
```