Problem 989: Add to Array-Form of Integer

Problem Information

Difficulty: Easy
Acceptance Rate: 45.29%
Paid Only: No
Tags: Array, Math

Problem Description

The **array-form** of an integer `num` is an array representing its digits in left to right order.

* For example, for `num = 1321`, the array form is `[1,3,2,1]`.

Given `num`, the **array-form** of an integer, and an integer `k`, return _the**array-form** of the integer_ `num + k`.

Example 1:

Input: num = [1,2,0,0], k = 34 **Output:** [1,2,3,4] **Explanation:** 1200 + 34 = 1234

Example 2:

Input: num = [2,7,4], k = 181 **Output:** [4,5,5] **Explanation:** 274 + 181 = 455

Example 3:

Input: num = [2,1,5], k = 806 **Output:** [1,0,2,1] **Explanation:** 215 + 806 = 1021

Constraints:

* `1 <= num.length <= 104` * `0 <= num[i] <= 9` * `num` does not contain any leading zeros except for the zero itself. * `1 <= k <= 104`

Code Snippets

C++:

```
class Solution {
public:
vector<int> addToArrayForm(vector<int>& num, int k) {

}
};
```

Java:

```
class Solution {
public List<Integer> addToArrayForm(int[] num, int k) {

}
}
```

Python3:

```
class Solution:
def addToArrayForm(self, num: List[int], k: int) -> List[int]:
```