Problem 2553: Separate the Digits in an Array

Problem Information

Difficulty: Easy
Acceptance Rate: 80.59%
Paid Only: No
Tags: Array, Simulation

Problem Description

Given an array of positive integers `nums`, return _an array_`answer` _that consists of the digits of each integer in_`nums` _after separating them in**the same order** they appear in _`nums`.

To separate the digits of an integer is to get all the digits it has in the same order.

* For example, for the integer `10921`, the separation of its digits is `[1,0,9,2,1]`.

Example 1:

Input: nums = [13,25,83,77] **Output:** [1,3,2,5,8,3,7,7] **Explanation:** - The separation of 13 is [1,3]. - The separation of 25 is [2,5]. - The separation of 83 is [8,3]. - The separation of 77 is [7,7]. answer = [1,3,2,5,8,3,7,7]. Note that answer contains the separations in the same order.

Example 2:

Input: nums = [7,1,3,9] **Output:** [7,1,3,9] **Explanation:** The separation of each integer in nums is itself. answer = [7,1,3,9].

Constraints:

* `1 <= nums.length <= 1000` * `1 <= nums[i] <= 105`

Code Snippets

C++:

```
class Solution {
public:
vector<int> separateDigits(vector<int>& nums) {

}
};
```

Java:

```
class Solution {
public int[] separateDigits(int[] nums) {

}
}
```

Python3:

```
class Solution:
def separateDigits(self, nums: List[int]) -> List[int]:
```