2221. Find Triangular Sum of an Array

Hint

Medium 998 49

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You are given a **0-indexed** integer array `nums`, where `nums[i]` is a digit between `0` and `9` (**inclusive**).

The **triangular sum** of `nums` is the value of the only element present in `nums` after the following process terminates:

1. Let `nums` comprise of `n` elements. If `n == 1`, **end** the process. Otherwise, **create** a new **0-indexed** integer array `newNums` of length `n - 1`.
2. For each index `i`, where `0 <= i < n - 1`, **assign** the value of `newNums[i]` as `(nums[i] + nums[i+1]) % 10`, where `%` denotes modulo operator.
3. **Replace** the array `nums` with `newNums`.
4. **Repeat** the entire process starting from step 1.

Code

```
class Solution {
    func triangularSum(_ nums: [Int]) -> Int {
        if(nums.count == 1) {
            return nums[0]
        }
        var sum:[Int] = []
        for i in (1..<nums.count) {
            sum.append((nums[i-1]+nums[i])%10)
        }

        return triangularSum(sum)
    }
}
```