Problem 1399: Count Largest Group

Problem Information

Difficulty: Easy
Acceptance Rate: 74.75%
Paid Only: No
Tags: Hash Table, Math

Problem Description

You are given an integer `n`.

We need to group the numbers from `1` to `n` according to the sum of its digits. For example, the numbers 14 and 5 belong to the **same** group, whereas 13 and 3 belong to **different** groups.

Return the number of groups that have the largest size, i.e. the **maximum** number of elements.

Example 1:

Input: n = 13 **Output:** 4 **Explanation:** There are 9 groups in total, they are grouped according sum of its digits of numbers from 1 to 13: [1,10], [2,11], [3,12], [4,13], [5], [6], [7], [8], [9]. There are 4 groups with largest size.

Example 2:

Input: n = 2 **Output:** 2 **Explanation:** There are 2 groups [1], [2] of size 1.

Constraints:

* `1 <= n <= 104`

Code Snippets

C++:

```
class Solution {
public:
int countLargestGroup(int n) {

}
};
```

Java:

```
class Solution {
public int countLargestGroup(int n) {

}
}
```

Python3:

```
class Solution:
def countLargestGroup(self, n: int) -> int:
```