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258. Add Digits

Easy 3233 1757 Add to List Share

Given an integer `num`, repeatedly add all its digits until the result has only one digit, and return it.

Example 1:

Input: `num = 38`
Output: `2`
Explanation: The process is
38 --> 3 + 8 --> 11
11 --> 1 + 1 --> 2
Since 2 has only one digit, return it.

Example 2:

Input: `num = 0`
Output: `0`

Constraints:

- $0 \leq \text{num} \leq 2^{31} - 1$

Follow up: Could you do it without any loop/recursion in $O(1)$ runtime?

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i C++ Autocomplete

```
1 class Solution {
2 public:
3     int addDigits(int num) {
4     }
5 }
6 ;
```

NEW