258. Add Digits

Add to List

Description (?tab=Description) Submission (?tab=Submission) Solutions (?tab=Solutions)

Given a non-negative integer `num`, repeatedly add all its digits until the result has only one digit.

For example:

Given `num = 38`, the process is like: `3 + 8 = 11`, `1 + 1 = 2`. Since `2` has only one digit, return it.

- Total Accepted: **152201**
- Total Submissions: **301321**
- Difficulty: **Easy**
- Contributors: **Admin**

Follow up:

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

Show Hint

Credits:

Special thanks to @jianchao.li.fighter (https://leetcode.com/discuss/user/jianchao.li.fighter) for adding this problem and creating all test cases.

Subscribe (/subscribe/) to see which companies asked this question.

Show Tags

Show Similar Problems