400. Nth Digit

Given an integer n, return the nth digit of the infinite integer sequence [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, ...].

Example 1:

- **Input:** n = 3
- **Output:** 3

Example 2:

- **Input:** n = 11
- **Output:** 0
- **Explanation:** The 11th digit of the sequence 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, ... is a 0, which is part of the number 10.

Constraints:

- $1 <= n <= 2^{31} - 1$