564. Find the Closest Palindrome

Description

Given a string `n` representing an integer, return *the closest integer (not including itself), which is a palindrome* . If there is a tie, return *the smaller one* .

The closest is defined as the absolute difference minimized between two integers.

Example 1:

```
Input: n = "123"
Output: "121"
```

Example 2:

```
Input: n = "1"
Output: "0"
Explanation: 0 and 2 are the closest palindromes but we return the smallest which is 0.
```

Constraints:

- `1 <= n.length <= 18`
- `n` consists of only digits.
- `n` does not have leading zeros.
- `n` is representing an integer in the range `[1, 10`^{18}` - 1]` .