

Close to palindrome

Find the closest palindrome number to the input number.

If input number is palindrome then print that number in output.

If two palindrome numbers tie in absolute distance, print the smaller number in output.

Input Format

Input consists an integer N.

Constraints

$0 \leq N \leq 10000$ $0 \leq \text{Palindrome Number} \leq 9999$

Output Format

Output consists a palindrome number which is closest to N.

Sample Input 0

121

Sample Output 0

121

Sample Input 1

100

Sample Output 1

99