

ZOHO_Level3_018

Given a number, reverse it and add it to itself unless it becomes a palindrome or the the count becomes 5 times. If it becomes a palindrome then print that palindrome number, otherwise print -1

Ex: 23 32 => 55

Input Format

Input contains the number

Constraints

$1 \leq N \leq 1000$

Output Format

print the palindrome number or -1

Sample Input 0

23

Sample Output 0

55