

I can't tell you what it really is, I can only tell you what it feels like

time limit per test: 1 second
memory limit per test: 256 megabytes
input: standard input
output: standard output

points: 100 · problem code: palindromes · author: Parsa

Find out if the given string is palindrome!

Input

The only line of the input contains a string of digits. The length of the string is between 1 and 10, inclusive.

Output

Print "YES" or "NO".

Example 1

Input

373

YES

Example 2

Input

121

NO