A. Quasi-palindrome

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

Let *quasi-palindromic* number be such number that adding some leading zeros (possible none) to it produces a palindromic string.

String t is called a palindrome, if it reads the same from left to right and from right to left.

For example, numbers 131 and 2010200 are *quasi-palindromic*, they can be transformed to strings "131" and "002010200", respectively, which are palindromes.

You are given some integer number x. Check if it's a *quasi-palindromic* number.

Input

The first line contains one integer number x ($1 \le x \le 10^9$). This number is given without any leading zeroes.

Output

Print "YES" if number x is *quasi-palindromic*. Otherwise, print "NO" (without quotes).

Examples

input
131
output
YES

input
320
output
NO

input
2010200
output
YES