

# Palindrome

Input file:            **standard input**  
Output file:         **standard output**  
Time limit:          1 second  
Memory limit:       256 megabytes

Given a number  $N$ . Print **2** lines that contain the following respectively:

1. Print  $N$  in a reversed order and **not leading zeroes**.
2. If  $N$  is a **palindrome number** print “**YES**” otherwise, print “**NO**”.

**Note:**

A **palindrome number** is a number that reads the same forward or backward.

**For example:** 12321, 101 are **palindrome numbers**, while 1201, 221 are **not**.

A **leading zero** is any 0 digit that comes before the first nonzero digit in a number for example : numbers (005 , 01 , 0123 , 02 , 000250 ) are leading zeroes but ( 5 , 123 , 20 ,2500 ) not leading zeroes numbers .

## Input

Only one line containing a number  $N$  ( $1 \leq N \leq 10^7$ ).

## Output

Print the answer required above.

## Examples

standard input	standard output
12121	12121 YES
160	61 NO