
Palindrome

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

Given a string S . Determine whether S is **Palindrome** or **not**

Note: A string is said to be a **palindrome** if **the reverse** of the string is **same** as the string. For example, “abba” is **palindrome**, but “abbc” is not **palindrome**.

Input

Only one line contains a string S ($1 \leq |S| \leq 1000$) where $|S|$ is the length of the string and it consists of **lowercase** letters only.

Output

Print “**YES**” if the string is **palindrome**, otherwise print “**NO**”.

Examples

standard input	standard output
abba	YES
icpcassiut	NO
mam	YES