

## A. Square String?

time limit per test: 1 second

memory limit per test: 256 megabytes

input: standard input

output: standard output

A string is called *square* if it is some string written twice in a row. For example, the strings "aa", "abcabc", "abab" and "baabaa" are square. But the strings "aaa", "abaaab" and "abcdabc" are not square.

For a given string \$\$\$s\$\$\$ determine if it is square.

### Input

The first line of input data contains an integer \$\$\$t\$\$\$ (\$\$\$1 \le t \le 100\$\$\$) —the number of test cases.

This is followed by \$\$\$t\$\$\$ lines, each containing a description of one test case. The given strings consist only of lowercase Latin letters and have lengths between \$\$\$1\$\$\$ and \$\$\$100\$\$\$ inclusive.

### Output

For each test case, output on a separate line:

- YES if the string in the corresponding test case is square,
- NO otherwise.

You can output YES and NO in any case (for example, strings yEs, yes, Yes and YES will be recognized as a positive response).

### Example

input
10 a aa aaa aaaa abab abcabc abacaba xxyy xyyx xyxy
output
NO YES NO YES YES YES NO NO NO YES