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 ss determine if it is square.

**Input**

The first line of input data contains an integer t (1≤t≤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**

**Copy**

10

a

aa

aaa

aaaa

abab

abcabc

abacaba

xxyy

xyyx

xyxy

**output**

**Copy**

NO

YES

NO

YES

YES

YES

NO

NO

NO

YES

#include <iostream>

#include <string>

using namespace *std*;

int main()

{

int t; *cin* >> t;

for (auto i = 0; i < t; i++)

{

*string* s;

*cin* >> s;

if (s.*length*() % 2 != 0)

{

*cout* << "NO" << *endl*;

continue;

}

*string* half = s.*substr*(0, s.*length*() / 2);

*string* otherHalf = s.*substr*(s.*length*() / 2);

if (half.*compare*(otherHalf) == 0)

*cout* << "YES" << *endl*;

else

*cout* << "NO" << *endl*;

}

return 0;

}