

Description

Palindrome is a string that is identical to its reverse, like "level" or "aba". Check whether a given string is a palindrome or not.

```
// function.h

#include <iostream>

#include <string>

using namespace std;

class PalindromeChecker
{
private:
    static const int MAXWORDLENGTH=100001;

    char word[MAXWORDLENGTH]; //store the input string

public:

    PalindromeChecker();

    PalindromeChecker(const char*);

    PalindromeChecker& operator=(const PalindromeChecker& p);

    void reverse();

    friend bool operator==(PalindromeChecker &p1, PalindromeChecker &p2);

};
```

main.cpp

```
// main.cpp

#include <iostream>

#include "function.h"

using namespace std;

int main()
{

    char word[100001];
    while(cin >> word){

        PalindromeChecker p1(word);
        PalindromeChecker p2;

        p2 = p1;

        p2.reverse();

        if(p1==p2)
            cout << "Yes\n";
        else
            cout << "No\n";
    }

    return 0;
```

```
}
```

Input

The input consists of multiple lines. Each line contains a string.

The length of each string is less than 100000. The number of test case is less than 1000.

Output

For each test case, output "Yes" if it's a palindrome or "No" if it's not a palindrome in a line.

Sample Input

level

aba

Level

EOF

Sample Output

Yes

Yes

No

EOF