

Hello CS2040!

Statement

Welcome to CS2040! Here's a simple problem to get started.

You are given an integer N and a string S .

For each line of input, print **YES** if it matches S **exactly**, and **NO** otherwise.

Constraints

- $1 \leq N \leq 100$
- Every line in the input is non-empty, may contain alphanumeric characters, space characters and punctuation and has length at most 100.
- No other whitespace characters (tabs, newlines, etc.) will appear within a line.

Input

The first line of the input contains S .

The second line of input contains N .

This is then followed by N lines of input, the lines to check.

Output

For each line, print **YES** if it matches S exactly, and **NO** otherwise.

Examples

Sample Input	Expected Output
Welcome to CS2040! 7 Welcome to CS2040! Welcome to CS1010! Welcome to CS2040 Welcome to CS2040! Welcome to CS2040! Welcome to CS2040 wElCoME To cS2040!	YES NO NO NO NO NO NO NO

Notes

1. A skeleton file has been given to help you. You should not create a new file or rename the file provided. You should develop your program using this skeleton file.
2. You are free to define your own helper methods and classes (or remove existing ones) if it is suitable but you must put all the new classes, if any, in the same skeleton file provided.

Skeleton File

You are given the skeleton file `Hello.java`. You should see the following contents when you open the file:

```
/**
 * Name      :
 * Matric. No :
 */

import java.util.*;

public class Hello {
    private void run() {
        // implement your "main" method here
    }

    public static void main(String args[]) {
        Hello runner = new Hello();
        runner.run();
    }
}
```

```
}  
}
```