

19th South African Regional ACM Collegiate Programming Contest

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21 October 2017

Problem 1 — Transparent Balloon Linguistics

Problem Description

A friendly *Hello* will always start a conversation on a positive note. A greeting in a *lingua franca* known to both parties always makes a good first impression. You have therefore been tasked by the Smile Aid Interaction Committee for Professional Conduct (SA ICPC) to write a short program to greet in either French, Portuguese or if all else fails, English.

Input

Your input consists of an arbitrary number of records, but no more than 20.

Each record comprises a number, n ($0 \leq n \leq 9$) and the name of the person being greeted. The name will be a single word comprising the characters a–z and/or A–Z, without any spaces or punctuation, and will be at least 1 character long, but no longer than 30 characters.

When an n of 0 is read, the greeting is given in French, and 1 in Portuguese. Anything else should result in the greeting in English.

The end of input is indicated by a line containing only -1.

Output

For each input record, output on its own line, text containing **Bonjour** followed by the name of the person if the greeting is to be conducted in French and **Ola** for Portuguese. Any other value for n must default to **Hello** in English.

Remember: Only the required output must be printed and nothing more. No prompts or other debug text should be printed. And please note that all output is **case-sensitive**.

Sample input

```
3 Klaas
0 Pierre
9 Tom
1 Jose
-1
```

Sample output

```
Hello Klaas
Bonjour Pierre
Hello Tom
Ola Jose
```

Time limit

1 second

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**Problem 2 — Invisible Balloon
Palindromes**

Problem Description

By definition a palindrome is a word that is spelled the same forwards and backwards. For example, the word `madam` is the same forwards as it is backwards.

Your job is to output whether a given word is a palindrome or not.

Input

The input consists of an arbitrary number of words, but not more than 20, each on a separate line. Words are between 2 and 12 characters long, are comprised of the lowercase characters `a-z` and contain no white-space or punctuation.

The end of input is indicated by a line containing only the text `-1`.

Output

For each word, output either `yes` if the word is a palindrome or `no` if it is not.

Remember: Only the required output must be printed and nothing more. No prompts or other debug text should be printed. And please note that all output is **case-sensitive**.

Sample input

```
acm  
madam  
-1
```

Sample output

```
no  
yes
```

Time limit

1 second