

Problem B - Hello hello

Department of Computer Science
University of Cape Town, South Africa
CSC1015F - problem set

In South Africa and the rest of the continent, many languages are spoken, and it is a nice courtesy to be able to say ‘hello’ and understand someone saying ‘hello’ to you, or texting it to you. For instance, it is “MOLO” in isiXhosa, “HALLO” in Afrikaans, “SAWUBONA” in isiZulu, “BONJOUR” in French and “MARHABA” in Arabic. Your task is to write an app that will recognise whether a word is ‘hello’ in one of those languages.

Input The input contains around 1000 lines of inputs. Each line contains a string S . You can assume that all the letters of the string are uppercase letters in plain ASCII A-Z and the maximum length of the string is 14. Input is terminated by a line containing a single ‘#’ character (without the quote); this line should not be processed.

Output For each line of input (except the last one), produce one line of output. This line contains simply the language name. If the input string is ‘HELLO’ or ‘MOLO’ or ‘HALLO’ or ‘SAWUBONA’ or ‘BONJOUR’ or ‘MARHABA’, then you should report the language it belongs to. If the input string is something other than these 6 strings, then print the string ‘UNKNOWN’ (without the quotes) instead. All characters in the output strings are uppercase as well.

Sample input

```
HELLO
HALLO
BONJOUR
MOLO
SAWUBONA
CHAO
#
```

Sample output

```
ENGLISH
AFRIKAANS
FRENCH
ISIXHOSA
ISIZULU
UNKNOWN
```