
Hello-bye**P87523_en**

Write a program that reads a sequence of letters that ends with a dot and tells if it contains the succession of consecutive letters 'h', 'e', 'l', 'l', 'o' or not.

Input

Input consists of a sequence of lowercase letters ended in '..'.

Output

Print "hello" if the input consecutively contains the letters 'h', 'e', 'l', 'l', 'o'. Otherwise, print "bye".

Sample input 1

eyhellohowareyou..

Sample output 1

hello

Sample input 2

hol..a.

Sample output 2

bye

Problem information

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