Introduction

Let's combine two of our favorite memes: Palindromes and Morse code.

Morse code

Remember that a palindrome is a string that is the same forward and backward, ignoring any spaces or punctuation. So the word "ATE", which is encoded as "•- - •", is a palindrome. So is the phrase "WE TAN".

Input

The input consists of one or more English words, written in upper case, per line. The input ends with a single period.

```
ELEGIZED
QUIRKILY
MERCURY
FACE A WINE
HAPPY DAY
FEVER REBEL
SOPRANOS
EMIT OLD UFO TIME
PROTEIN POWDER
ANNEXING
ENJOIN
.
```

Output

The program must convert the words to Morse code and determine if the pattern of dots and dashes is a palindrome. For each line of input, the program must print the line with the correct message, either "is a MCP", or "is *not* a MCP". Be sure to use the * characters to help the judges!

```
ELEGIZED is a MCP
QUIRKILY is a MCP
MERCURY is *not* a MCP
FACE A WINE is a MCP
HAPPY DAY is *not* a MCP
FEVER REBEL is a MCP
SOPRANOS is a MCP
EMIT OLD UFO TIME is a MCP
PROTEIN POWDER is *not* a MCP
ANNEXING is a MCP
ENJOIN is a MCP
```