# **Problem 4 – Winning Ticket**

Lottery is exciting. What is not, is checking a million tickets for winnings only by hand. So, you are given the task to create a program which automatically checks if a ticket is a winner.

You are given a collection of tickets separated by commas and spaces. You need to check every one of them if it has a winning combination of symbols.

A valid ticket should have exactly 20 characters. The winning symbols are '@', '#', '\$' and '^'. But in order for a ticket to be a winner, the same winning symbol should uninterruptedly repeat for at least 6 times in both the tickets left half and the tickets right half.

For example, a valid winning ticket should be something like this:

#### "Cash\$\$\$\$\$\$Ca\$\$\$\$\$\$h"

The left half "Cash\$\$\$\$\$\$" contains "\$\$\$\$\$\$\$", which is also contained in the tickets right half "Ca\$\$\$\$\$\$\$h". A winning ticket should contain symbols repeating up to 10 times in both halves, which is considered a Jackpot (for example: "\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$").

### Input

The input will be read from the console. The input consists of a single line containing all tickets separated by commas and one or more white spaces in the format:

"{ticket}, {ticket}, ... {ticket}"

## **Output**

Print the result for every ticket in the order of their appearance, each on a separate line in the format:

- Invalid ticket "invalid ticket"
- No match "ticket "{ticket}" no match"
- Match with length 6 to 9 "ticket "{ticket}" {match length}{match symbol}"
- Match with length 10 "ticket "{ticket}" {match length}{match symbol} Jackpot!"

#### **Constrains**

Number of tickets will be in range [0 ... 100]

## **Examples**

Input	Output
Cash\$\$\$\$\$Ca\$\$\$\$\$\$sh	ticket "Cash\$\$\$\$\$\$Ca\$\$\$\$\$\$\$ - 6\$
\$	ticket "\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$ - 10\$ Jackpot! invalid ticket ticket "th@@@@@@eemo@@@@@ey" - 6@
validticketnomatch:(	ticket "validticketnomatch:(" - no match
123#######1######## 1234######12^^^^^3, ^^^^@@@@@^^^^@@@@@@	ticket "123################ - 7# ticket "1234######12^^^^^3" - no match ticket "^^^^@@@@@^^^^@@@@@@" - no match



















