# 5. Hangman

Program Name: Hangman.java Input File: hangman.dat

You are going to write a hangman game that plays by the following rules:

- The contestant tries to determine the solution to a puzzle by guessing one letter at time.
- The contestant continues guessing letters until either all of the letters in the puzzle have been guessed, more than seven incorrect guesses have been made or the contestant quits.
- If the letter guessed, whether uppercase or lowercase, is found in the puzzle, each instance of that letter that appears as either an uppercase or a lowercase letter is considered to have been found.
- If the contestant guesses all of the letters before reaching 7 incorrect guesses, the contestant wins.
- If the letter guessed is not in the puzzle, the number of incorrect guesses left will be decreased by one.
- If the contestant has 7 incorrect guesses before guessing all of the letters, the contestant loses.
- If the contestant runs out of guesses before winning or losing, the contestant is considered to have quit.
- You may assume the contestant will not guess the same letter more than once.

### Input

The first line will contain a single integer n that indicates the number of games that will follow. For each game, the first line will contain a word or phrase that is the puzzle to be solved. The second line of the game will contain the contestant's guesses. Only alphabetic characters and spaces will appear in a puzzle.

## Output

For each game, output WON if the contestant won, LOST if the contestant lost, or QUIT if the contestant quit before winning or losing followed by the number of incorrect guesses the contestant had left.

### **Example Input File**

Java is just fun aeistfunjv Lickety split aeioubcdfg UIL Academics AIOUqwerty

## **Example Output to Screen**

WON 6 LOST 0 QUIT 1