

## 723B - Text Document Analysis

It is an implementation problem. Let's store in the variable *cnt* the number of words inside brackets and in the variable *maxL* — the maximum length of the word outside brackets. You can add the symbol «\_» to the end of the given string, to correctly process the last word.

Let's iterate through the given string from the left to the right and store in the variable *cur* the current word. Also in the variable *bal* we need to store balance of the open and close brackets.

If the current symbol is letter — add it to the end of the string *cur* and go to the next symbol of the given string.

If the current symbol is open bracket, make  $bal = bal + 1$ . If the current symbol is close bracket, make  $bal = bal - 1$ . After that if *cur* is non-empty string add 1 to *cnt* if *bal* equals to 1. Else if *bal* equals to 0 update *maxL* with length of the string *cur*. After that we need to assign *cur* to the empty string and go to the next symbol of the given string.