**LeetCode Problem**

[Parsing A Boolean Expression](https://leetcode.com/problems/parsing-a-boolean-expression/)

class Solution {

public boolean parseBoolExpr(String expression) {

Stack<Character> st = new Stack<>();

for (char currChar : expression.toCharArray()) {

if (currChar == ',' || currChar == '(') continue;

if (

currChar == 't' ||

currChar == 'f' ||

currChar == '!' ||

currChar == '&' ||

currChar == '|'

) {

st.push(currChar);

}

else if (currChar == ')') {

boolean hasTrue = false, hasFalse = false;

while (

st.peek() != '!' && st.peek() != '&' && st.peek() != '|'

) {

char topValue = st.pop();

if (topValue == 't') hasTrue = true;

if (topValue == 'f') hasFalse = true;

}

char op = st.pop();

if (op == '!') {

st.push(hasTrue ? 'f' : 't');

} else if (op == '&') {

st.push(hasFalse ? 'f' : 't');

} else {

st.push(hasTrue ? 't' : 'f');

}

}

}

return st.peek() == 't';

}

}