## horizontal line

## **Redundant Parentheses**

## **Problem Statements :**

You are given an balanced expression. You have to find if it contains duplicate parentheses or not. A set of parentheses are duplicate if same subexpression is surrounded by multiple parenthesis.

**Input Format :**

First line contains integer t as number of test cases.

Next t lines contains n expressions.

**Constraints :**

1 < t < 100

1< expression < 100

**Output Format :**

Print either given expression is Duplicate or Not Duplicates.

**Sample Input :**

2

(((a+(b))+(c+d)))

((a+(b))+(c+d))

**Sample Output :**

Duplicate

Not Duplicates

**Explanation :**

For 1st test case : The subexpression "a+(b)" is surrounded by two pairs of brackets.

**Time Limit :**