Problem Challenge 1

We'll cover the following

Evaluate Expression (hard)

Given an expression containing digits and operations (+, -, *), find all possible ways in which the expression can be evaluated by grouping the numbers and operators using parentheses.

Example 1:

```
Input: "1+2*3"
Output: 7, 9
Explanation: 1+(2*3) => 7 and (1+2)*3 => 9
```

Example 2:

```
Input: "2*3-4-5"
Output: 8, -12, 7, -7, -3
Explanation: 2*(3-(4-5)) => 8, 2*(3-4-5) => -12, 2*3-(4-5) => 7, 2*(3-4)-5 => -7, (2*3)-4-5 =
> -3
```

Try it yourself

Try solving this question here:

Java | Python3 | JS | C++

```java
import java.util.*;

class EvaluateExpression {
  public static List<Integer> diffWaysToEvaluateExpression(String input) {
    List<Integer> result = new ArrayList<>();
    // TODO: Write your code here
    return result;
  }

  public static void main(String[] args) {
    List<Integer> result = EvaluateExpression.diffWaysToEvaluateExpression("1+2*3");
    System.out.println("Expression evaluations: " + result);

    result = EvaluateExpression.diffWaysToEvaluateExpression("2*3-4-5");
    System.out.println("Expression evaluations: " + result);
  }
}

```

Run | Save | Reset

Back

Unique Generalized Abbreviations (ha...

Next

Solution Review: Problem Challenge 1

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