

241. Different Ways to Add Parentheses

- Given a string expression of numbers and operators, return all possible results from computing all the different possible ways to group numbers and operators. You may return the answer in any order.
- The test cases are generated such that the output values fit in a 32-bit integer and the number of different results does not exceed 104.

Example 1:

- **Input:** expression = "2-1-1"
- **Output:** [0,2]
- **Explanation:**
 - $((2-1)-1) = 0$
 - $(2-(1-1)) = 2$

Example 2:

- **Input:** expression = "2*3-4*5"
- **Output:** [-34,-14,-10,-10,10]
- **Explanation:**
 - $(2*(3-(4*5))) = -34$
 - $((2*3)-(4*5)) = -14$
 - $((2*(3-4))*5) = -10$
 - $(2*((3-4)*5)) = -10$
 - $((((2*3)-4)*5) = 10$

Constraints:

- $1 \leq \text{expression.length} \leq 20$
- expression consists of digits and the operator '+', '-', and '*'.
- All the integer values in the input expression are in the range [0, 99].
- The integer values in the input expression do not have a leading '-' or '+' denoting the sign.