

숫자와 연산자를 입력받아 가능한 모든 조합의 결과를 출력하라.

Input: expression = "2-1-1"

Output: [0,2]

Explanation:

$((2-1)-1) = 0$

$(2-(1-1)) = 2$

1.분할 정복

class Solution:

```
def diffWaysToCompute(self, expression: str) -> List[int]:
```

```
    def compute(left, right, op):
```

```
        results = []
```

```
        for l in left:
```

```
            for r in right:
```

```
                results.append(eval(str(l) + op + str(r)))
```

```
        return results
```

```
    if expression.isdigit():
```

```
        return [int(expression)]
```

```
    results = []
```

```
    for index, value in enumerate(expression):
```

```
        if value in '-+*':
```

```
            left = self.diffWaysToCompute(expression[:index])
```

```
            right = self.diffWaysToCompute(expression[index + 1:])
```

```
            results.extend(compute(left, right, value))
```

```
    return results
```