

Problem 293: Flip Game

Problem Information

Difficulty: [Easy](#)

Acceptance Rate: 64.97%

Paid Only: Yes

Tags: String

Problem Description

You are playing a Flip Game with your friend.

You are given a string `currentState` that contains only `'+'` and `'-'`. You and your friend take turns to flip **two consecutive** `"++"` into `--"`. The game ends when a person can no longer make a move, and therefore the other person will be the winner.

Return all possible states of the string `currentState` after **one valid move**. You may return the answer in **any order**. If there is no valid move, return an empty list `[]`.

Example 1:

Input: `currentState = "++++"` **Output:** `["--++", "++--", "+++-"]`

Example 2:

Input: `currentState = "+"` **Output:** `[]`

Constraints:

`1 <= currentState.length <= 500` `currentState[i]` is either `'+'` or `'-'`.

Code Snippets

C++:

```
class Solution {  
public:  
    vector<string> generatePossibleNextMoves(string currentState) {  
  
    }  
};
```

Java:

```
class Solution {  
    public List<String> generatePossibleNextMoves(String currentState) {  
  
    }  
}
```

Python3:

```
class Solution:  
    def generatePossibleNextMoves(self, currentState: str) -> List[str]:
```