

# 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]:
```