

### 733. Flood Fill

class Solution:

```
    def floodFill(self, image: List[List[int]], sr: int, sc: int,
newColor: int) -> List[List[int]]:
```

```
        def dfs(i, j, old):
```

```
            for d_i, d_j in [[-1, 0], [1, 0], [0, 1], [0, -1]]:
```

```
                image[i][j] = newColor
```

```
                new_i, new_j = i + d_i, j + d_j
```

```
                if 0 <= new_i < len(image) and 0 <= new_j <
len(image[0]) and image[new_i][new_j] == old:
```

```
                    dfs(new_i, new_j, old)
```

```
        if newColor != image[sr][sc]:
```

```
            dfs(sr, sc, image[sr][sc])
```

```
        return image
```