

Use this Page to Track the Current Contents of table

		Columns		
		0	1	2
Rows	0	0	0	0
	1	0	0	0
	2	0	0	0

Print 6 Copies of the Following Page to Make 12 "Cards"
(Which May Be More Than You Need)

```
public int fill(int row, int col, int value) {
    table[row][col] = value;

    if ((row-1) >= 0 && table[row-1][col] == 0) {
        value = fill(row-1, col, value+1);
    }

    if ((col+1) < 3 && table[row][col+1] == 0) {
        value = fill(row, col+1, value+1);
    }

    if ((row+1) < 3 && table[row+1][col] == 0) {
        value = fill(row+1, col, value+1);
    }

    if ((col-1) >= 0 && table[row][col-1] == 0) {
        value = fill(row, col-1, value+1);
    }

    return value;
}
```

Cut Here

```
public int fill(int row, int col, int value) {
    table[row][col] = value;

    if ((row-1) >= 0 && table[row-1][col] == 0) {
        value = fill(row-1, col, value+1);
    }

    if ((col+1) < 3 && table[row][col+1] == 0) {
        value = fill(row, col+1, value+1);
    }

    if ((row+1) < 3 && table[row+1][col] == 0) {
        value = fill(row+1, col, value+1);
    }

    if ((col-1) >= 0 && table[row][col-1] == 0) {
        value = fill(row, col-1, value+1);
    }

    return value;
}
```