

The *longest diagonals* of a square matrix are defined as follows:

- the first *longest diagonal* goes from the top left corner to the bottom right one;
- the second *longest diagonal* goes from the top right corner to the bottom left one.

Given a square `matrix` , your task is to swap its *longest diagonals* by exchanging their elements at the corresponding positions.

Example

For

```
matrix = [[1, 2, 3],
          [4, 5, 6],
          [7, 8, 9]]
```

the output should be

```
swapDiagonals(matrix) = [[3, 2, 1],
                        [4, 5, 6],
                        [9, 8, 7]]
```

Input/Output

- [execution time limit] 4 seconds (js)
- [input] array.array.integer matrix

Guaranteed constraints:

```
1 ≤ matrix.length ≤ 10 ,
matrix.length = matrix[i].length ,
1 ≤ matrix[i][j] ≤ 1000 .
```

- [output] array.array.integer

Matrix with swapped diagonals.

[JavaScript (ES6)] Syntax Tips

```
// Prints help message to the console
// Returns a string
function helloWorld(name) {
    console.log("This prints to the console when you Run Tests");
    return "Hello, " + name;
}
```