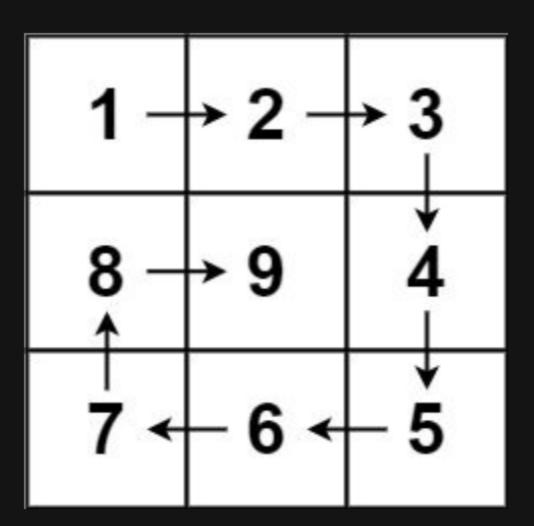# 59. Spiral Matrix II

Description

Given a positive integer `n`, generate an `n x n` `matrix` filled with elements from `1` to `n`^{2} in spiral order.

Example 1:


```
Input: n = 3
Output: [[1,2,3],[8,9,4],[7,6,5]]
```

Example 2:

```
Input: n = 1
Output: [[1]]
```

Constraints:

- `1 <= n <= 20`