

54. Spiral Matrix

Given an $m \times n$ matrix, return *all elements of the matrix in spiral order*.

Example 1:

1	→	2	→	3
4	→	5		↓
↑				↓
7	←	8	←	9

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

Output: [1,2,3,6,9,8,7,4,5]

Example 2:

1	→	2	→	3	→	4
5	→	6	→	7		↓
↑						↓
9	←	10	←	11	←	12

Input: matrix = [[1,2,3,4],[5,6,7,8],[9,10,11,12]]

Output: [1,2,3,4,8,12,11,10,9,5,6,7]