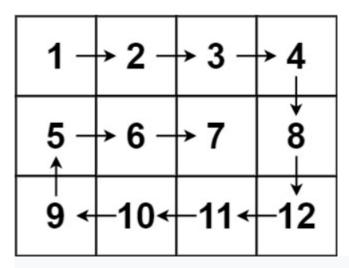
54. Spiral Matrix

Given an m x n matrix, return all elements of the matrix in spiral order.

Example



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]

Constraints:

- m == matrix.length
- n == matrix[i].length
- 1 <= m, n <= 10
- -100 <= matrix[i][j] <= 100

```
1 vector<int> spiralOrder(vector<vector<int>>& A) {
int m = A.size(), n = A[0].size();
vector<int> result;
int i = 0, j = 0;
while(m>1 && n>1) {
    for(int z=1; z<n; z++) {
       result.push_back(A[i][j]);
        j++;
    for(int z=1; z<m; z++) {
       result.push_back(A[i][j]);
       i++;
    for(int z=1; z<n; z++) {
       result.push_back(A[i][j]);
       j--;
    for(int z=1; z<m; z++) {
       result.push_back(A[i][j]);
    i++; j++;
   m = m-2; n = n-2;
if(m == 0 || n == 0) return result;
if(m>n) {
    while(m>0) {
       result.push_back(A[i][j]);
       i++; m--;
} else {
    while(n>0) {
       result.push_back(A[i][j]);
       j++; n--;
return result;
```

#100daysofDSA











/rvislive

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