Subarray Sum Equals K

```
class Solution {
public:
    int subarraySum(vector<int>& nums, int k) {
        int count = 0;
        int prefixSum = 0;
        unordered_map<int, int> prefixSumCount;
        prefixSumCount[0] = 1;

        for (int i = 0; i < nums.size(); i++) {
            prefixSum += nums[i];

            if (prefixSumCount.count(prefixSum - k)) {
                count += prefixSumCount[prefixSum - k];
            }

            prefixSumCount[prefixSum]++;
        }

            return count;
    }
};</pre>
```

<u>Spiral Matrix</u>

```
else if(A==1)
    for(int i=up;i<=down;i++)</pre>
    res.push_back(matrix[i][right]);
    right--;
    A=2;
else if(A==2)
{
    for(int i=right;i>=left;i--)
        res.push_back(matrix[down][i]);
    down--;
    A=3;
else if(A==3)
    for(int i=down;i>=up;i--)
        res.push_back(matrix[i][left]);
    left++;
    A=0;
return res;
```