Time Complexity and Space complexity

Code 1: It has a time complexity of O(n^2) where n is the length of the matrix we iterate in a nested loop. It also has a space complexity of O(1).

Code 2: O(E*V) where E is the number of edges and V is the number of vertices. It has a space complexity O(V^2) where V is the recursive calls

Code 3: It has a time complexity of O(n) where n is the vertices being iterated.It has a space complexity of O(N) where n is the number of nodes and edges being stored.