Circulated date: 4-1-23

Note: You may implement using C or C++

1. Consider set of points Q as input and find the smallest convex polygon P for which each point in Q is either on the boundary of P or in its interior using Graham's Scan algorithm.
2. Consider set of points Q as input and find the smallest convex polygon P for which each point in Q is either on the boundary of P or in its interior using Jarvis March algorithm.
3. Implement Floyd-Warshall algorithm and find the shortest path between each pair of vertices in the given graph G.
4. Implement Ford Fulkerson algorithm to compute the max-flow of a given graph.