

Design and Analysis of Algorithms

Task One

Given:

1. A set of vertices: $V_1, V_2, V_3, \dots, V_n$.
2. A set of Edges: e_{ij} connecting the two vertices V_i , and V_j ...

Required:

1. A simple drawing, that clearly shows the vertices and how they are connected by the given edges, considering the case of a diagram.
2. The Adjacency List.
3. The Adjacent, Incidence, and the Representation Matrices.

Essentially:

1. Clear Pseudo Codes are provided.
2. A Friendly GUI is available.
3. The task is to be delivered on a well-formatted and clean FLASK.

Design and Analysis of Algorithms

Task Two

Implement:

Fluery's Algorithm

Essentially:

1. Clear Pseudo Codes are provided.
2. A Friendly GUI is available.
3. The task is to be delivered on a well-formatted and clean FLASK.