

ESO207 Programming Assignment 3

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1 Solution to Part A

1.1 Data Structure Used

1.2 Strategy for solving the problem

1.3 Main functions used

- **Bipartite(G)**

This returns the graphs V_1 and V_2 which are the partition of the set V of vertices of $G(V, E)$ in case G is bipartite otherwise returns a NULL.

1.4 Pseudocodes

1.5 Runtime Analysis

2 Solution to Part B