Week 3: Assignment 3

This assignment is based on standard operations research models and techniques. In particular, you will be working with linear programming and network flow problems. You are required to:

1. Formulate the problem as a linear program.
2. Solve the linear program using a computer software.
3. Interpret the results.

You are given a dataset that contains information about the cost and flow capacities for a network. Your goal is to find the minimum cost flow through the network.

The dataset is as follows:

- 5 nodes
- 6 edges
- 3 commodities
- 1 integer variable
- 1 binary variable

The objective is to minimize the total cost of the flow.

You must submit your solution, including the formulation, the solution, and the interpretation of the results, in a clear and concise manner.

Good luck!