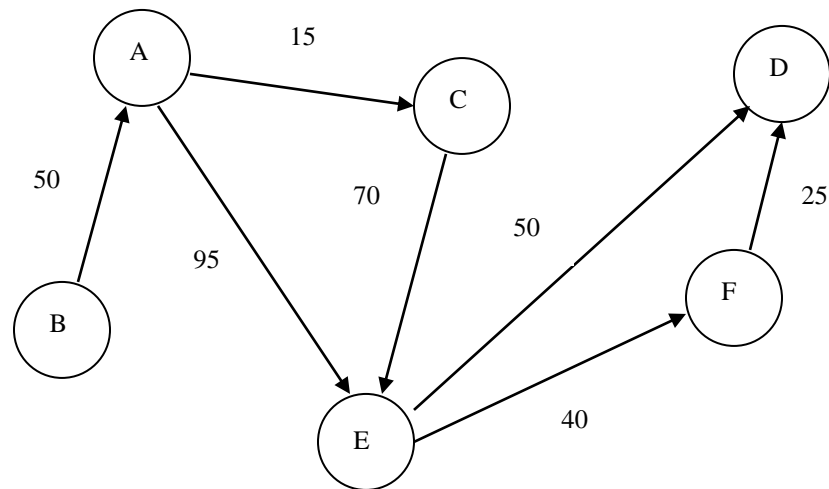


COSC 3100 – Data Structures II

Assignment 12

Deadline December 8, 2023

1) Consider the following directed graph:



For each of the following two questions, provide a detailed description of the process being used:

- (i) Assume that the values on each edge of the graph represent the cost of getting from one vertex to another. Show how to determine the cost of the cheapest route from 'B' to 'D'.
- (ii) Show how the vertices of the graph would be traversed under both “depth-first” and “breadth-first” traversal algorithms.