Programming Assignment #1

Quiz, 1 question

1/1 point (100%)

✓ Congratulations! You passed!

Next Item

✓ 1 / 1 point

1. In this assignment you will implement one or more algorithms for the all-pairs shortest-path problem. Here are data files describing three graphs:

g1.txt

g2.txt

g3.txt

The first line indicates the number of vertices and edges, respectively. Each subsequent line describes an edge (the first two numbers are its tail and head, respectively) and its length (the third number). NOTE: some of the edge lengths are negative. NOTE: These graphs may or may not have negative-cost cycles.

Your task is to compute the "shortest shortest path". Precisely, you must first identify which, if any, of the three graphs have no negative cycles. For each such graph, you