Problem Set 4
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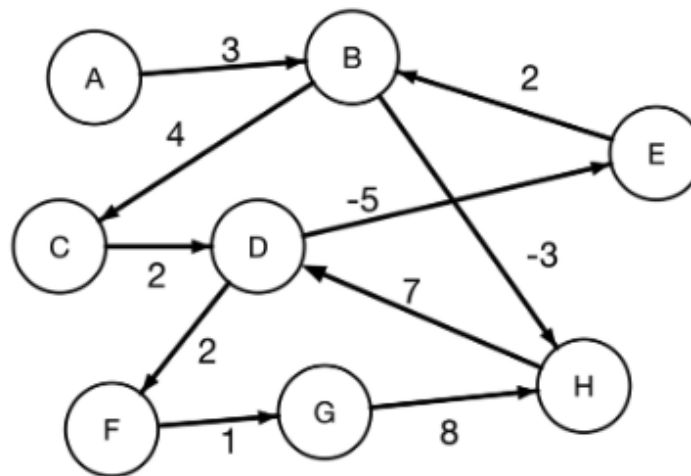
CS 5800: Algorithm
Problem Set 4

Exercises

1). Apply Dijkstra's algorithm on the following graph, with source vertex A to all vertices in our graph. Show all steps. Dijkstra's is not supposed to work if there are negative cost edges, but does it work anyways for this specific example? Why, or why not?

2). Apply the Bellman-Ford algorithm on graph in #1, with source vertex A to all vertices in our graph. Show all steps.