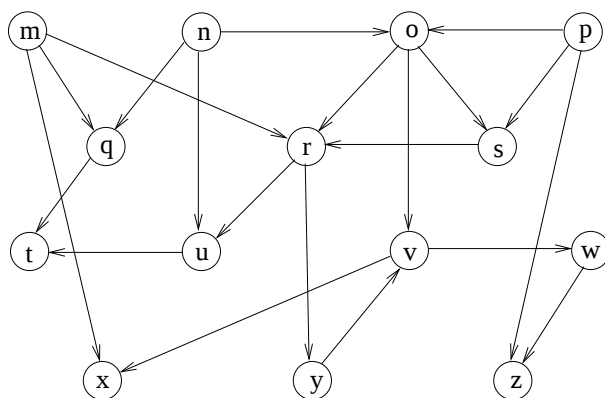
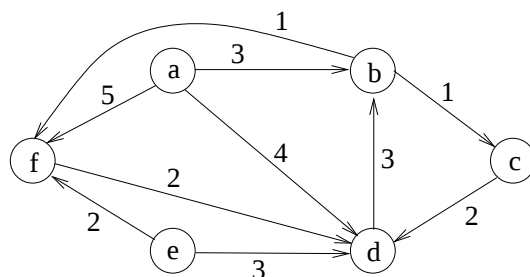


1. Do a topological sort to the below graph:



2. Simulate Dijkstra algorithm with the below graph. Count distances from node a .



3. Simulate Dijkstra algorithm with the graph given by the adjacency list:

a : (4, c), (7, f)
 b : (9, e), (3, h)
 c : (4, a), (3, d), (2, f), (9, g)
 d : (3, c), (3, e), (7, g)
 e : (3, d), (2, g), (7, h), (9, b)
 f : (7, a), (2, c), (8, g)
 g : (9, c), (8, f), (2, e), (3, h), (7, d)
 h : (3, g), (7, e), (3, b)

Count distances from node a .