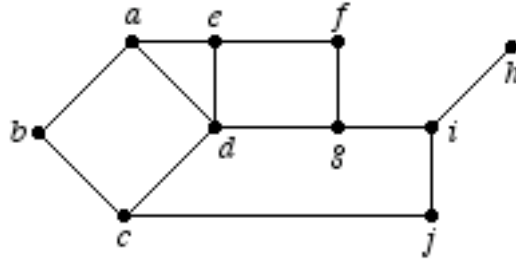


1. You are given the following graph (assume all edges have weight 1):



- Use any method to construct the distance matrix,  $D(G)$ .
- Find the eccentricity of all vertices.
- Find the central vertices of the graph.
- At which site (vertex) should an emergency facility be located?