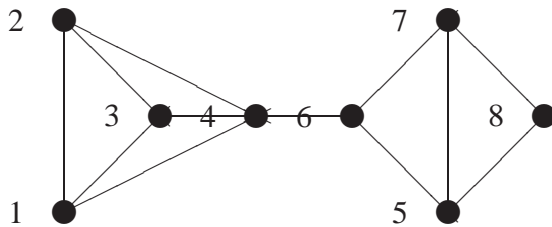


Algorithm Design
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Solution of Exercise R-6.6

1. A drawing of graph G is given below:



2. A DFS traversal starting at vertex 1 visits the vertices in the following order:
1, 2, 3, 4, 6, 5, 7, 8.
3. A BFS traversal starting at vertex 1 visits the vertices in the following order:
1, 2, 3, 4, 6, 5, 7, 8.