

1. OSCJ problem (8.1).
2. OSCJ problem (8.2).
3. OSCJ problem (8.3).
4. OSCJ problem (8.6).
5. OSCJ problem (8.12).
6. OSCJ problem (8.13).
7. OSCJ problem (8.16)–Code your answer in the computer and compile and run it. Report what happened. Hand in a paper copy of your program and your report.
8. Demonstrate the DFS algorithm (given in the excerpt from Corman, Leiserson and Rivest’s book) on the directed that was drawn on the paper homework assignment handout. Start with vertex 1 (this graph has 5 vertices accessible from vertex 1 that form an acyclic subgraph, plus three more vertices forming a directed cycle.)