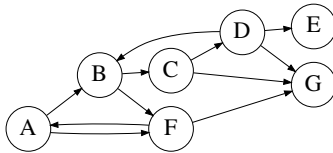1. Work in groups of 2–4 people. List the members of your group below. Underline your name.

2. Trace the operation of DFS-Visit(G, A) from the textbook (p. 565) on the following directed graph G using the conventions of Figure 20.4 (p. 566) of the textbook, adapted as follows. In particular:

   - Depict the state of the graph after each iteration of the for loop.
   - Annotate each vertex with its color: **W**hite, **G**ray, **B**lack. Use either the first letter of each color or use: single circle for white, double circle for gray, and box for black, as in class.
   - Record the discovery and finishing times in the format `d/f`.
   - Highlight tree edges using double lines, and annotate **F**orward, **B**ackward, and **C**ross edges.

[additional space for earlier material]

3. Outline the operation of Topological-Sort from the textbook (p. 573) on the graph of Question 2.

4. Depict the *strongly connected components* of the graph of Question 2.

5. (self study) Trace the operation of Strongly-Connected-Components from the textbook (p. 577) on the graph of Question 2.