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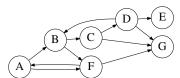
Today: Elementary graph algorithms, continued: DFS, topological sort, strongly

connected components. §§ 22.*.

Next class: Minimum Spanning Trees. §§ 23.*.

Reminders: Read material before and after class. Use the class newsgroup.

- 1. List the members of your group below. Underline your name.
- 2. Trace the operation of DFS-VISIT(G, A), for the following directed graph G using the conventions of Figure 22.4 (p. 605) of the textbook. In particular:
 - Depict the state of the graph after each iteration of the for loop.
 - Annotate each vertex with its color: White, Gray, Black.
 - Record the discovery and finishing times in the format d/f.
 - Highlight tree edges using double lines, and annotate Forward, Backward, and Cross edges.



	[additional space for answering the earlier question]
3.	Outline the operation of Topological-Sort on the graph of Question 2.
4.	Depict the <i>strongly connected components</i> of the graph of Question 2.
K	(self study) Trace the energtion of Emponery Connection Components (p. 615)
υ.	(self study) Trace the operation of Strongly-Connected-Components (p. 617 on the graph of Question 2.