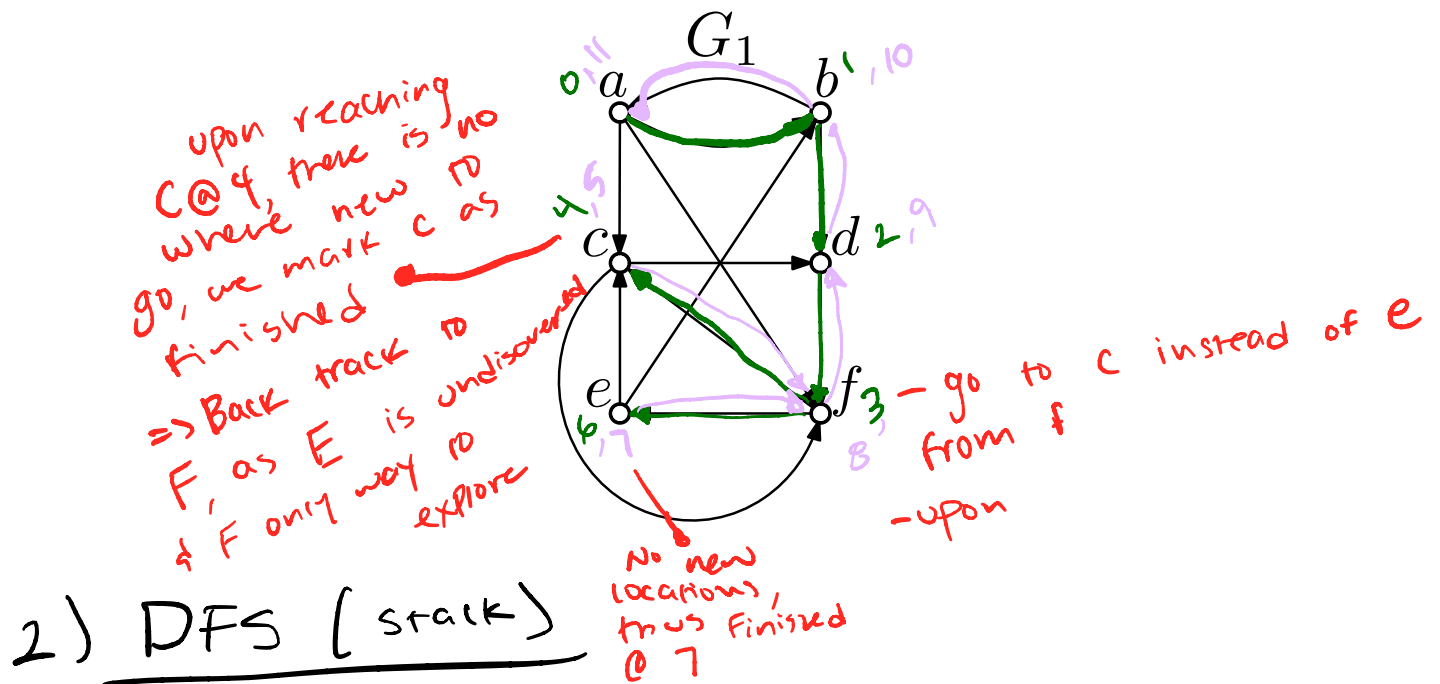


Practice Problems - DFS and BFS

DFS and BFS

For the following problems, assume that vertices are ordered alphabetically in the adjacency lists (thus you will visit adjacent vertices in alphabetical order).

- (1) Execute a Breadth-First Search on the graph G_1 , starting on vertex a . Specify the visit times for each node of the graph.
- (2) Execute a Depth-First Search on the graph G_1 , starting on vertex a . Specify the visit and finish times for each node of the graph



2) DFS (stack)

	a	b	c	d	e	f
visited	0	1	4	2	6	3
finished	11	10	5	9	7	8