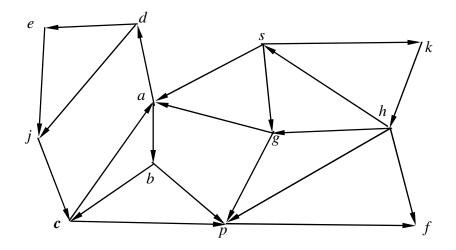
1. Conduct a DFS for the following graph. Please label each vertex u with the discovery time and the finish time d(u)/f(u). You should start the traversal from vertex a, and follow the alphabetic order whenever you need to make choices.



2. List all edges that belong to each of the following sets:

The set of back edges:

The set of forward edges:

The set of cross edges:

3. Identify the strongly connected components and draw the component graph.