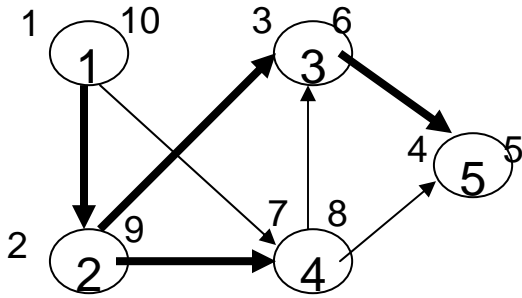**CS4321 QUIZ 5 (Dec. 5)**

NAME (5 points):

We discussed in class depth-first search of a graph. We defined the *discovery* time as the time a node is first-time discovered and the *finish* time as the time it is finished. The following graph shows the discovery time (left) and finish time (right) of each node and the bold edges compose the search tree.

Apply depth-first search on the following graph using the node number as the tie-breaker.
1. Show the discovery time and finish time of each node.
2. Draw the search tree.