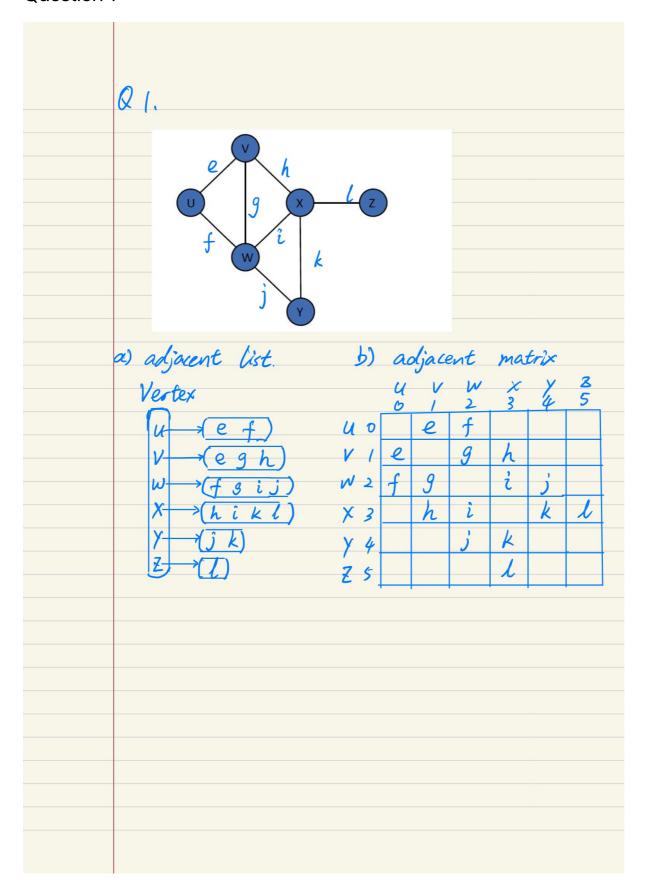
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Sihan Chen, jcu ID: 14187662

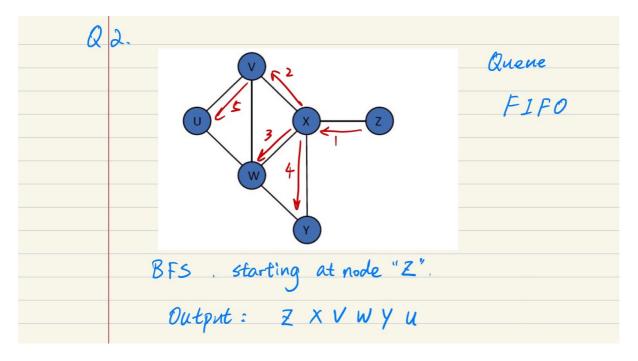
Question 1



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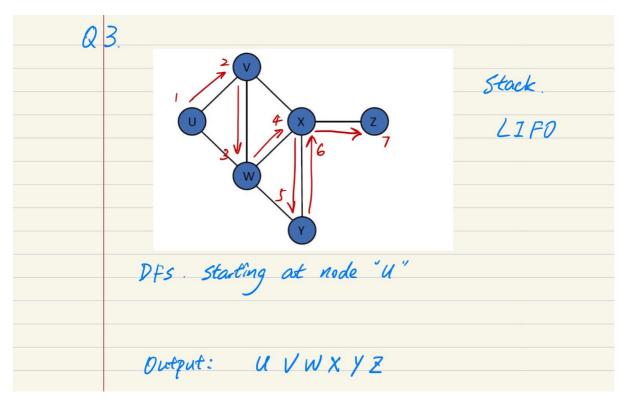
Question 2

The breadth-first search method goes over all edge nodes in alphabetical order, outputs unvisited nodes, keeps a record of visited nodes, and stores edge nodes in a queue. Once all edge nodes of the current node are visited, we will dequeue a new node from queue as current node, untill no more nodes left in the queue.



Question 3

Depth-first search method will keep going to next unvisited edge node in alphabetical-order, keep track of visited nodes, store visit path in a stack, until all edge nodes of current node are visited. Then, backtrack to the previous node by pop from the stack, until no more nodes left in the stack.



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Question 4

