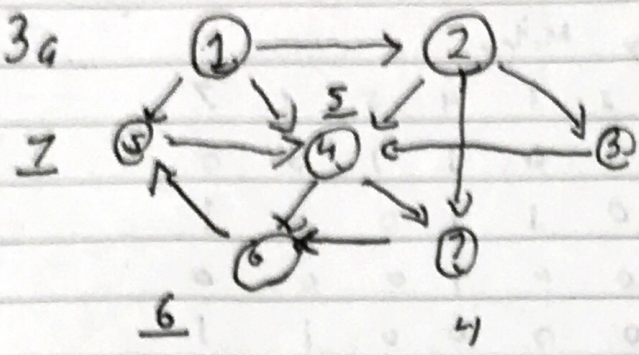
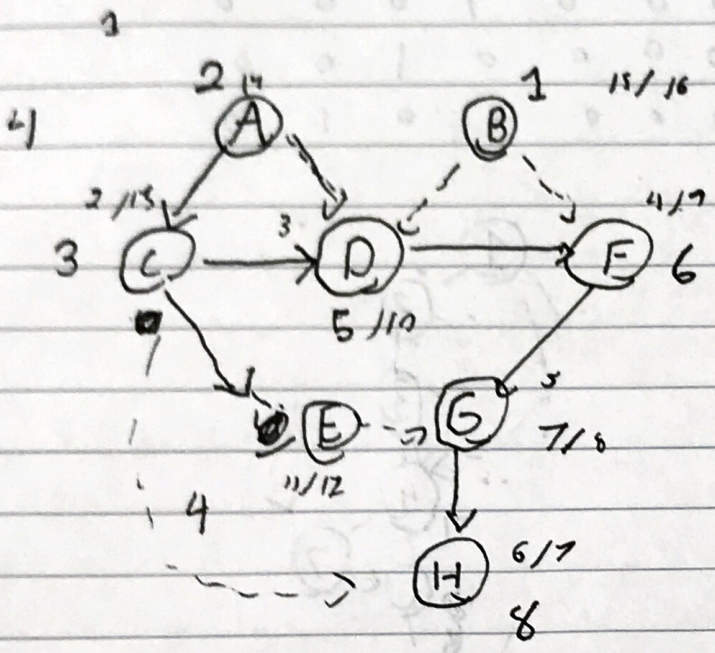


3a



No, this is not possible because there is a cycle in the graph.



Yes, this is possible because there are no loops

No, this graph is not strongly connected nodes A, D are only connected 1 way as there are no nodes directed towards A.

Yes, this graph is weakly connected because it has no strong connects, there are no back edges or cross edges, so there are no cycles that can be made.

1 strongly connect components
first {4, 5, 6}
then - none.