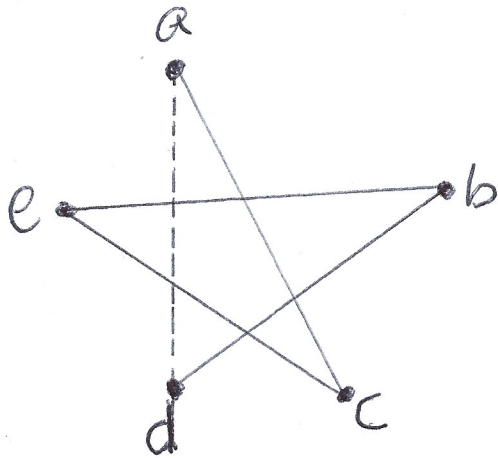
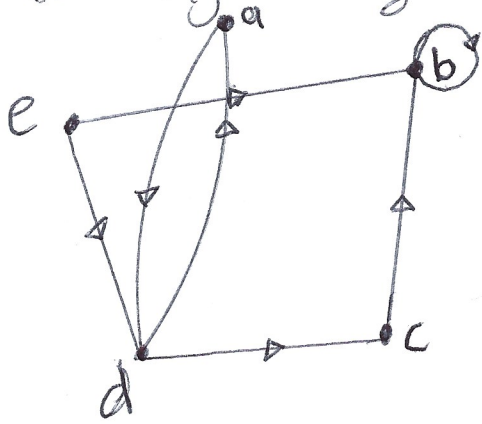


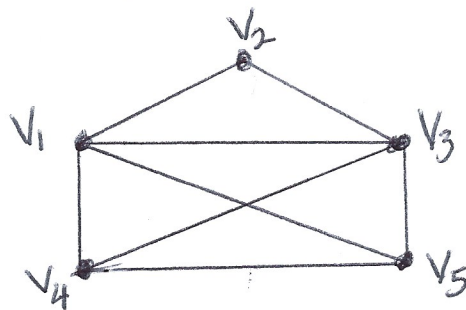
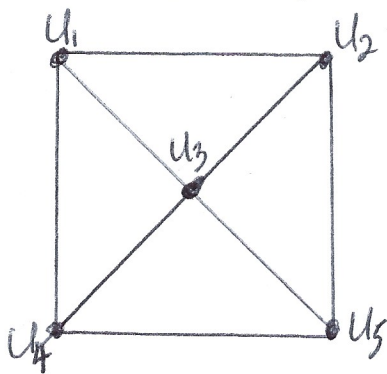
① Complete the adjacency matrix for the graph shown.



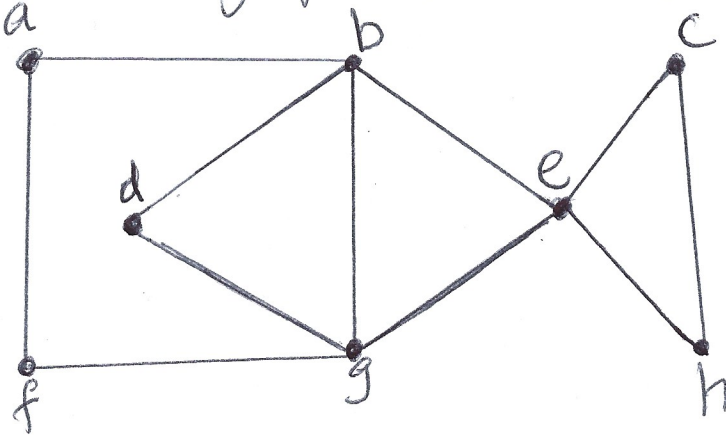
② Complete the adjacency matrix for the graph shown.



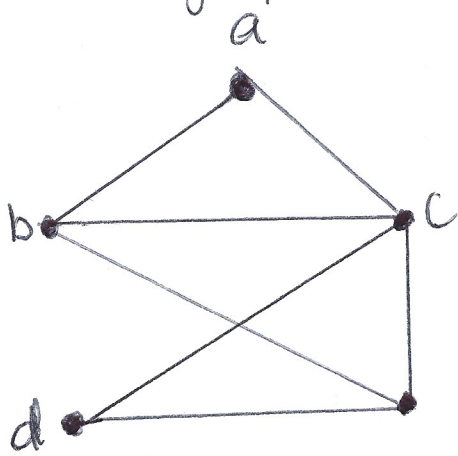
③ Are the two graphs isomorphic? (Yes or No)



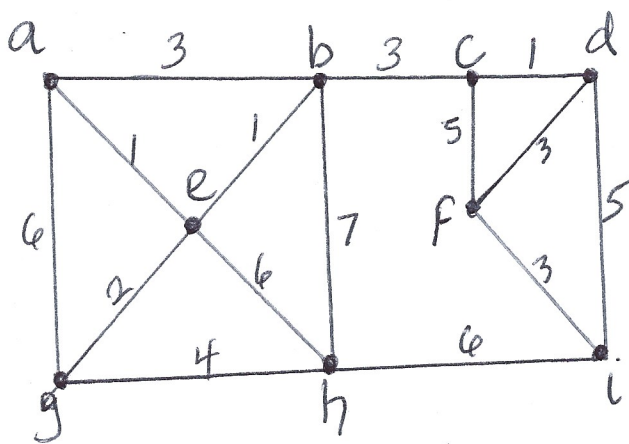
④ Does the graph have an Euler Circuit? (Yes/No)



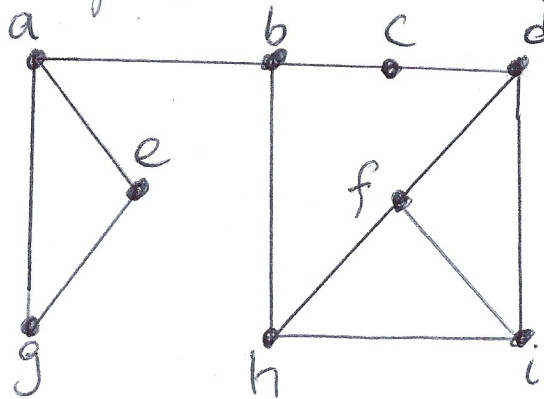
⑤ Does the graph have a Hamiltonian Circuit? (Yes/No)



⑥ Find the length of the shortest path between a and i



⑦ Which of the following gives the order for a breadth first search for the spanning tree rooted at a?



⑧ Which of the following gives the order for a depth first search for the spanning tree rooted at a?

