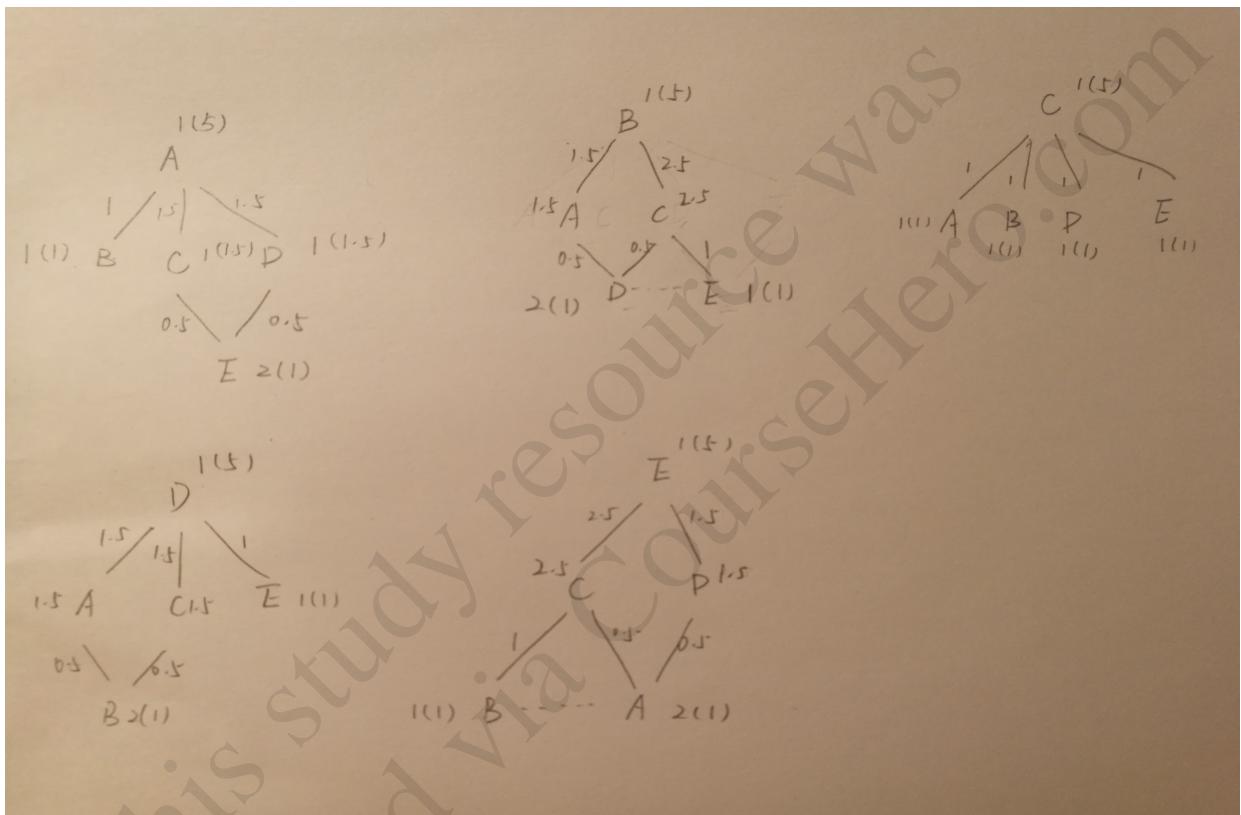
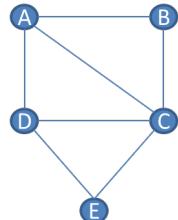


Name: _____

USC ID: _____

Quiz 10: Graph Mining (10 points), 15 minutes

Use the GN algorithm to compute the betweenness of edges in the following graph. Show your work, including the different DAG graphs generated by the algorithm and the fractions computed from each graph.



$\text{betweenness}(A,B)=1.5$, $\text{betweenness}(A,C)=1.5$, $\text{betweenness}(A,D)=2$, $\text{betweenness}(B,C)=2.5$,
 $\text{betweenness}(C,D)=1.5$, $\text{betweenness}(D,E)=1.5$, $\text{betweenness}(C,E)=2.5$