



1. First, the network will be reduced to a simple directed graph. Then, the PageRank score will be computed for each node in the network (with damping factor $\alpha = 0.85$). Student with the highest PageRank score will be awarded 10% of the final course grade.
2. Second, the network will be reduced to a simple undirected graph. Then, the betweenness centrality will be computed for each node in the network. Student with the highest betweenness centrality will be awarded 10% of the final course grade.