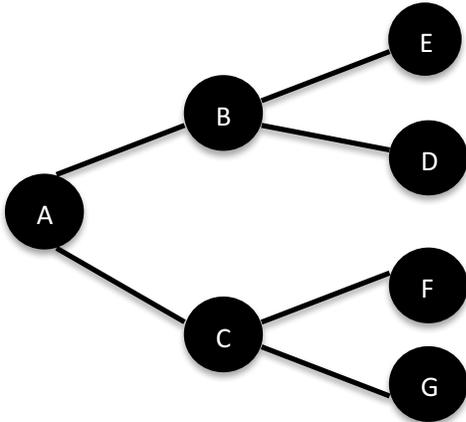


## Homework

### Chapter 10 Influencing People

1. (10 points) What is the **closeness** and the **betweenness** of node A in the following graph?



2. (15 points) For the mesh graph below with six nodes, suppose that one of the nodes starts out infected at time 0. What is the minimum flipping threshold required for all of the nodes to eventually become infected? How many time steps will it take for them all to become infected?

