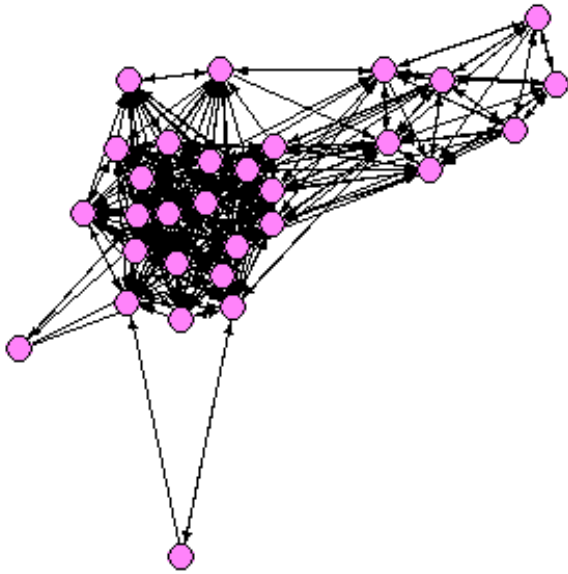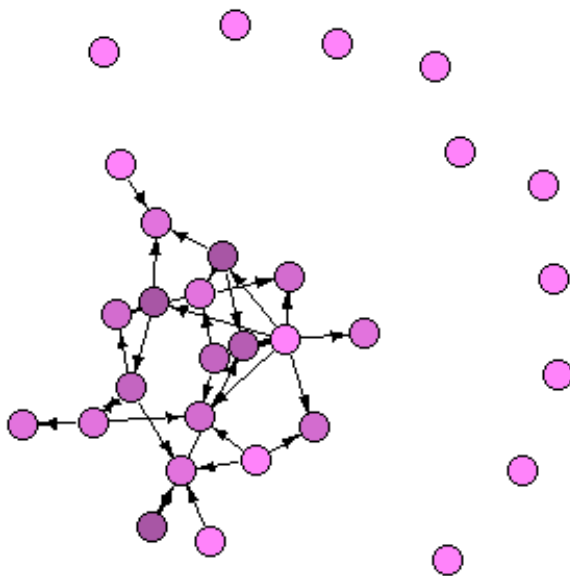# Empirical Exercise #1

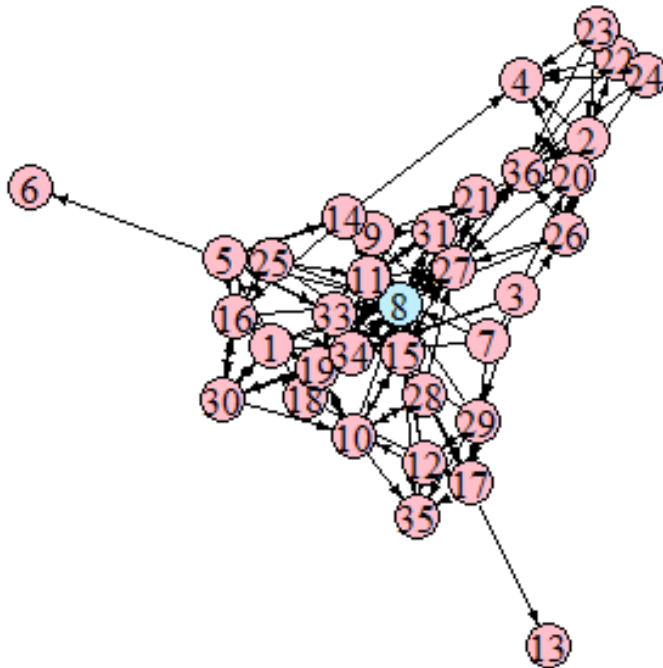## Wenjing Sun

Question 1: Trusting Network

Question 2: Distrusting Network

The darker the nodes are, the more distrusted they are.

Question 3: Advice Network

Most people go to 8 for advice.

Question 4:

152 of the relationships are reciprocated in trust networks.
2 of the relationships are reciprocated in distrust networks.
33 of the relationships are reciprocated in advice networks.
I think that the mutual relationships in trust network do not happen by chance,
because there could be 30*30/3=450 possible mutual relationships and 152
happen. The probability of trust mutual relationship is relatively high.

Question 5:

121 of the relationships in the trust network also exist in the advice network.
1 of the relationships in the distrust network also exist in the advice network.
I'm not surprising. Because in real life, people tend to seek for advice from those
they trust with, the answer of this question makes sense.