Problem set 8
Social Network Analysis

Excercise 1

For the graph shown in Figure 1, compute the highest
- degree centrality, - closeness centrality, and - betweenness centrality.
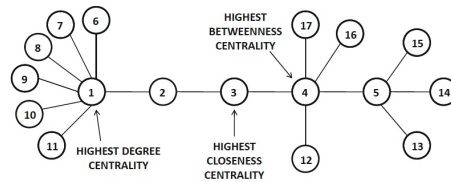The nodes that take on these highest values are already marked in the figure.

Figure 1: Caption

Excercise 2

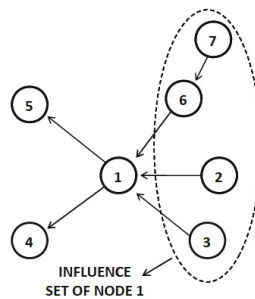For every vertex of the graph shown in Figure 2, compute its degree prestige.

Figure 2: Caption

Excercise 3

For every vertex of the graph shown in Figure 2, compute its proximity prestige.