18.06 (Fall '12) Problem Set 9

This problem set is due Thursday, November 29th, 2012 by 4pm in 2-255. The problems are out of the 4th edition of the textbook. For computational problems, please include a printout of the code with the problem set (for MATLAB in particular, `diary("filename")` will start a transcript session, `diary off` will end one, also copy and paste usually work as well.)

1. Do Problem 7 from 6.4.

2. Do Problem 26 from 6.4.

3. Do Problem 4 from 6.5.

4. Do Problem 16 from 6.5.

5. Do Problem 30 from 6.5.

6. Do Problem 2 from 6.6

7. Do Problem 12 from 6.6.

8. Do Problem 8 from 6.7.

9. Do Problem 13 from 6.7.

10. Use the SVD and compute the hub and authority weights for the following graph: