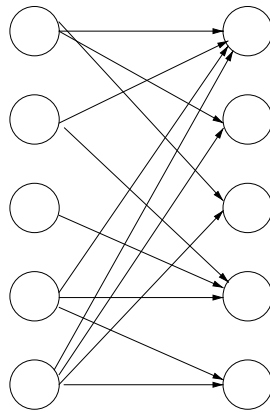


## Problem Set 5

**Problem 1.** Perform the steps of iterative pruning to find (2,3) cores on the following graph.



**Problem 2.** Adapt the a priori algorithm to enumerating bipartite cores.

**Problem 3.** Referring to the Voting Algorithm slide (lecture 11, slide 34), what does the matrix  $AA^T A$  represent?