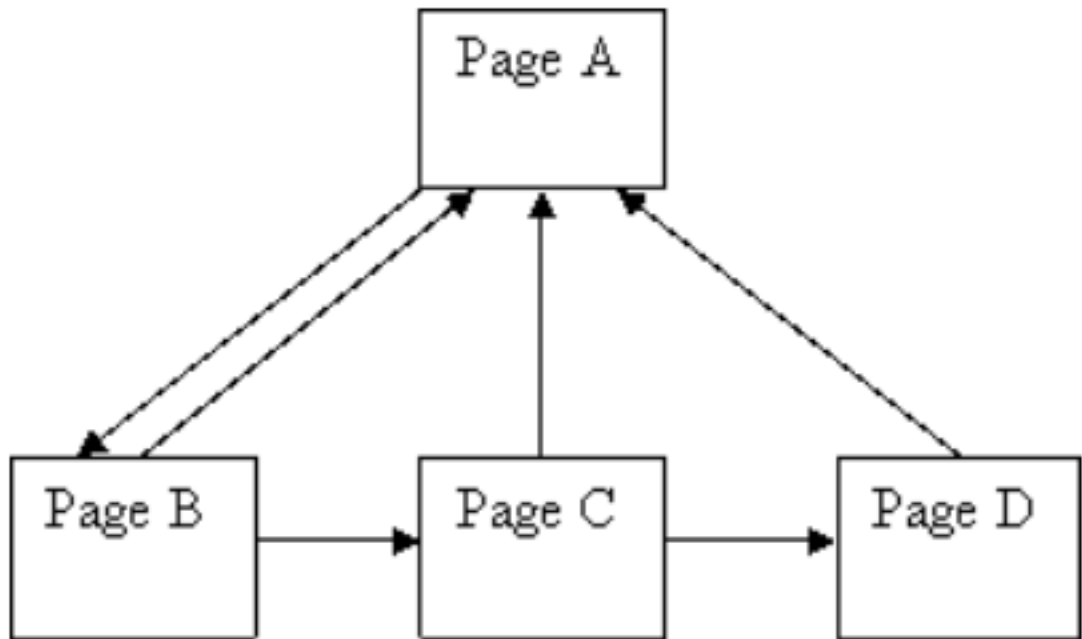


MA 391 ASSIGNMENT # 5

Answers to problems may be handwritten. Consider the following directed graph.



- (1) Compute the transition matrix for this graph.

- (2) Show that 1 is an eigenvalue for this matrix.

- (3) Find all eigenvectors for this matrix with eigenvalue 1.

- (4) Compute the PageRank of every node in the directed graph.