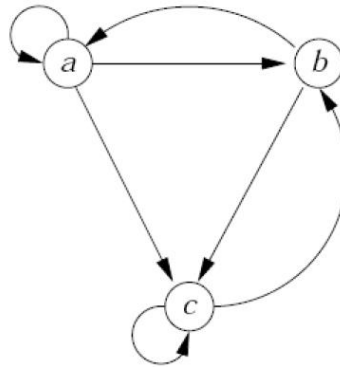


1. Compute the PageRank of each vertex in the following figure:

(1) assuming no random teleport

(2) assuming $\beta = 0.8$



2. Use three iterations to compute the topic-sensitive PageRank for the graph of the following figure, assuming the teleport set is (suppose $\beta = 0.8$):

(1) A only.

(2) A and C.

