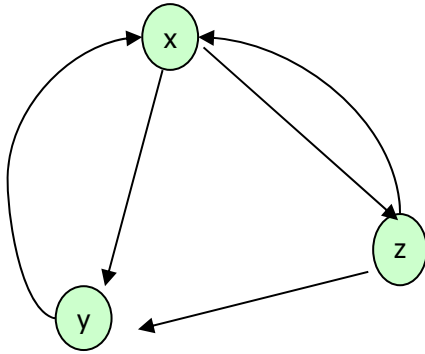


Q1 HITS Algorithm

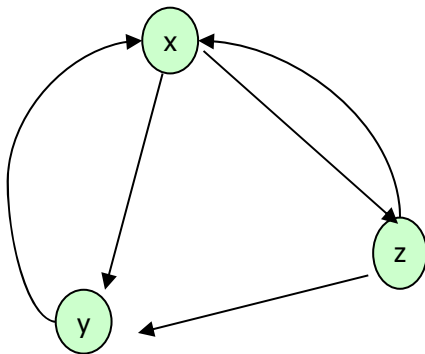
The following shows three sites, namely x, y and z, with their linkage.



- (a) What is the adjacency matrix?
- (b) Consider HITS algorithm.
 - i. What are the values of authorities of these three sites?
 - ii. What are the values of hubs of these three sites?

Q2 PageRank Algorithm

The following shows three sites, namely x, y and z, with their linkage.



- (a) What is the stochastic matrix?
- (b) Consider PageRank Algorithm. What are the values of page ranks of these three sites?