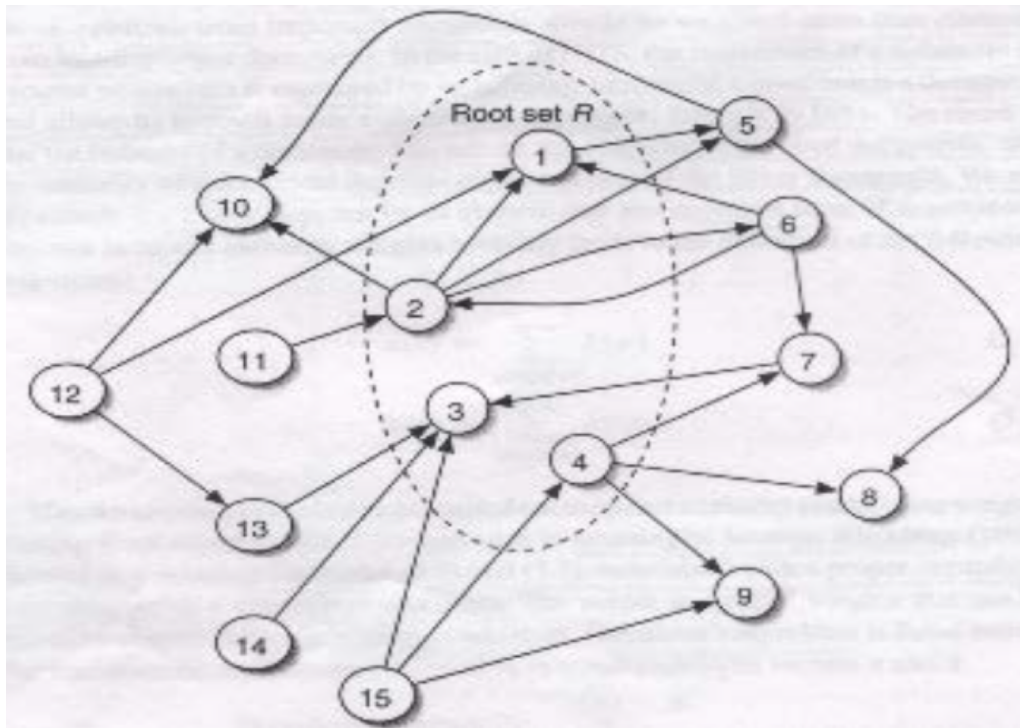


Assignment 8

Dan Sun(Das225) Yue Su(yus55)

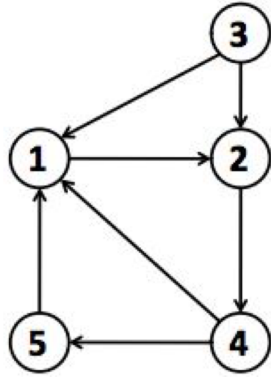
1.



Node1:	Hub:	0.16263213	Authority: 1
Node2:	Hub:	1	Authority: 0.34123947
Node3:	Hub:	0	Authority: 0.08362134
Node4:	Hub:	0.27632921	Authority: 0.03324213
Node5:	Hub:	0.39210334	Authority: 0.48321393
Node6:	Hub:	0.55263821	Authority: 0.47234743
Node7:	Hub:	0.03392811	Authority: 0.35263893
Node8:	Hub:	0	Authority: 0.31934843
Node9:	Hub:	0	Authority: 0.23938103

Node10:	Hub:	0	Authority: 0.92379322
Node11:	Hub:	0.09173265	Authority: 0
Node12:	Hub:	0.80283193	Authority: 0
Node13:	Hub:	0.02138219	Authority: 0.3291833
Node14:	Hub:	0.02138219	Authority: 0
Node15:	Hub:	0.09723603	Authority: 0

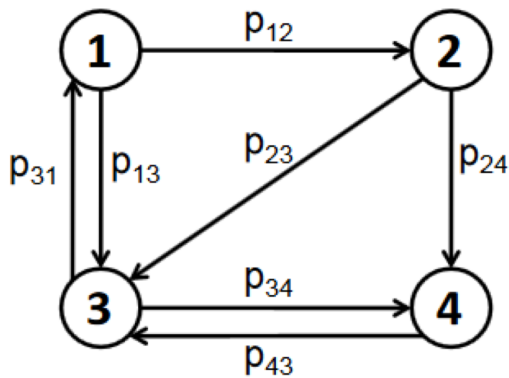
2.1



Node 1: Hub: 0.4392931 Authority: 1
Node 2: Hub: 0 Authority: 0.57386279
Node 3: Hub: 1 Authority: 0
Node 4: Hub: 0.8636723 Authority: 0.20451992
Node 5: Hub: 0.62173673 Authority: 0.20451992

The primary hub node is Node 3 and the primary authority node is Node 1. The results consistent with hubs and authorities.

2.2



Node 1: Hub: 0.8392931 Authority: 0.27386279
Node 2: Hub: 1 Authority: 0.37386279
Node 3: Hub: 0.49368247 Authority: 1
Node 4: Hub: 0.6636723 Authority: 0.6636723

The hub node is Node 2 and the authority node is Node 3. The results consistent with hubs and authorities.