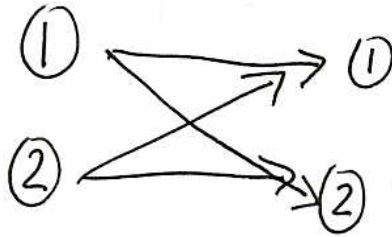


6. Draw a directed bipartite graph that represents R_2 .

0.5 pts.



7. Are the graphs you drew in response to questions 6 and 7 isomorphic? If so, assign a label ("a", "b", ..., etc.) to each vertex in each of the graphs to prove the isomorphism. If the graphs are not isomorphic, explain how can tell.

1 pt.

No. Graphs are not isomorphic.

All vertices in R_2 have degree=2.

Some vertices in R_1 have degree=1.

Also, the number of vertices is different between the two graphs.