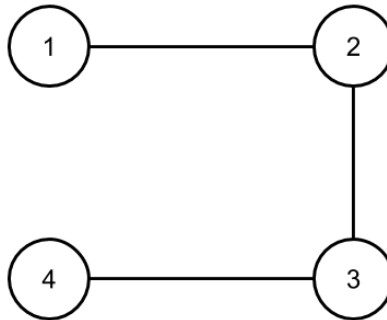# Programming Assignment 2 Demo Procedure

Your virtual network will start with the following topology:

Start the four nodes on at least two different remote.cs hosts. After all four nodes have been started, you can give them some time to exchange distance vectors and populate routing table entries. But it should not take more than 30 seconds.

After that, send the following commands from the testing client.
"routetrace 1 2"
"routetrace 2 4"
"routetrace 4 1"
Your nodes are expected to print out all the nodes on the path. For example, "4->3->2->1" or "3 2 1" as the output of "routetrace 4 1".

Create a new link in the virtual network by sending the following command from the testing client:
"create-link 2 4"
wait a few seconds, then send:
"routetrace 4 2"
"routetrace 1 4"

Finally, remove a link by the following command:
"remove-link 2 3"
wait a few seconds, then send:
"routetrace 3 2"
"routetrace 1 3"

Note: If your code is not fully functioning, e.g., you have implemented distance vector routing, but not route-trace, we expect your code can at least print out some debugging information, showing that you have implemented certain specifc tasks of the assignment.