The University of Texas at Arlington

**Lab 2: Distance Vector Routing** 

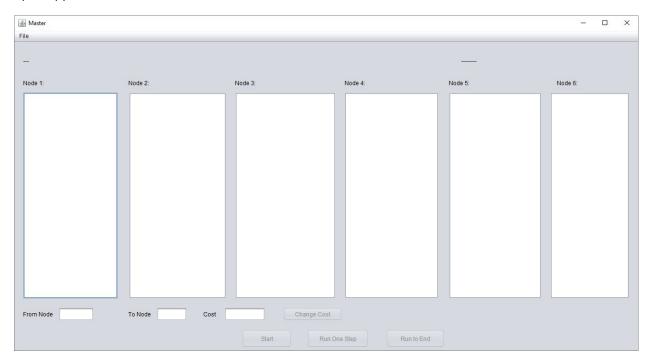
FNU Rahasya Chandan, ID#1000954962

Computer Networks, CSE 4344

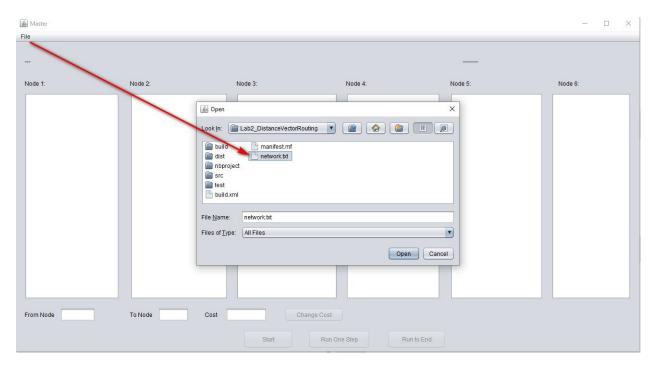
April 16th, 2019

# Instructions on how to run:

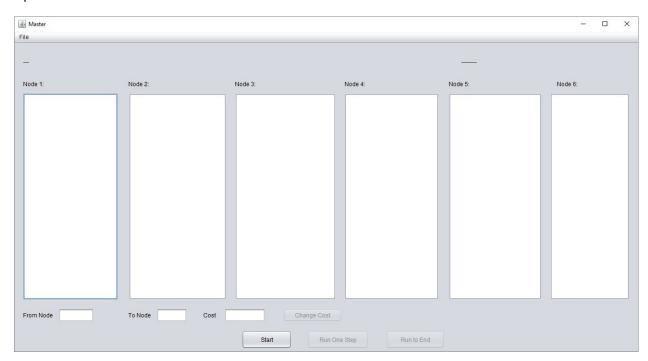
## Open application:

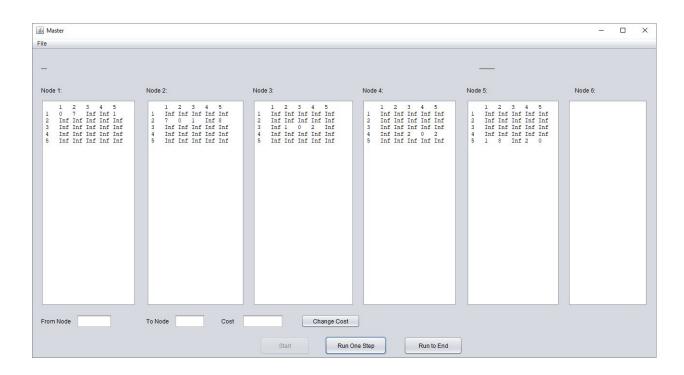


#### Choose file network.txt

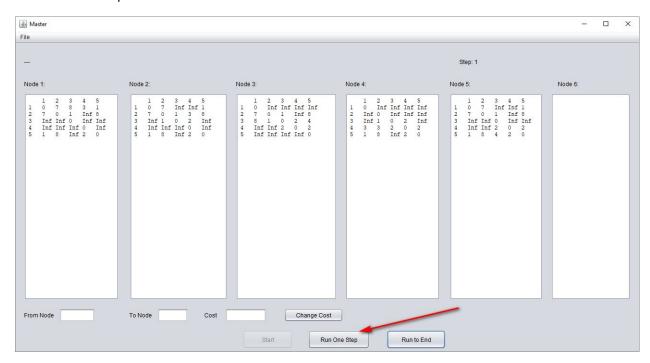


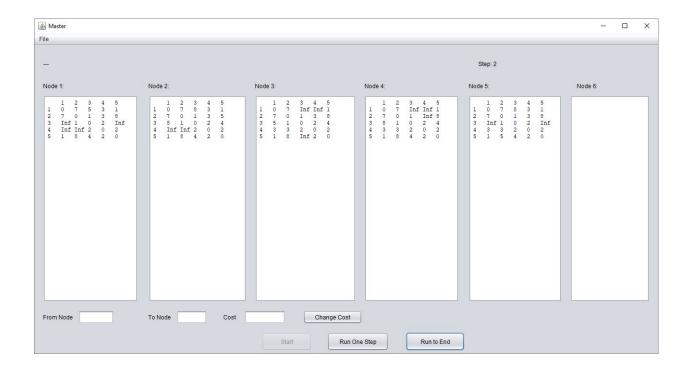
### Input file



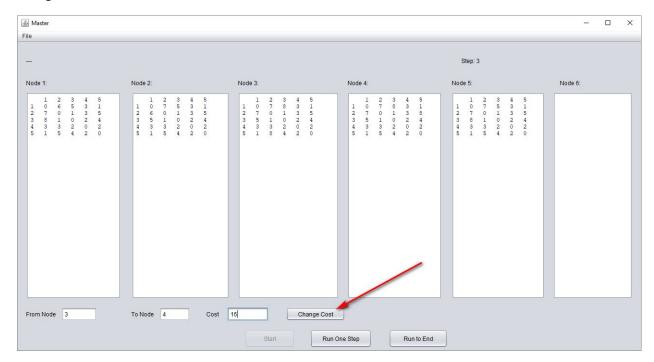


#### Click Run One Step

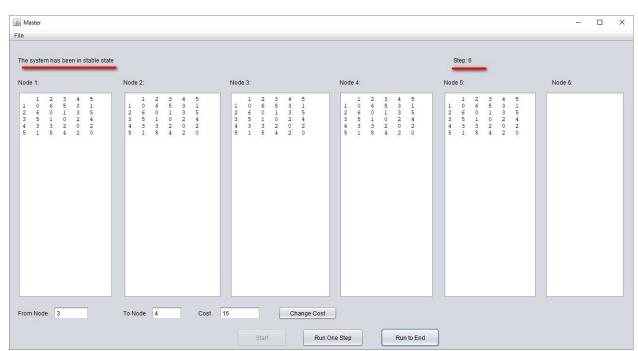


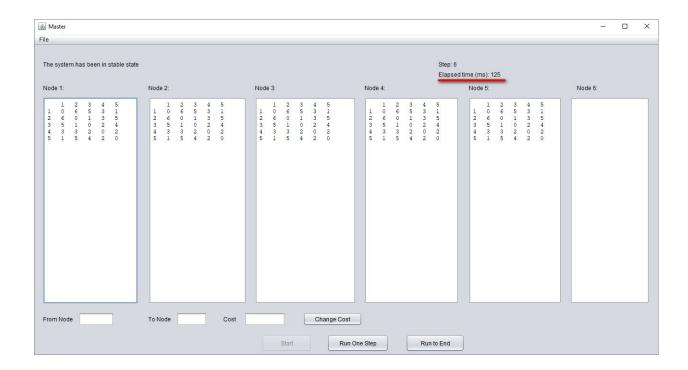


# Change the distance between node 3 and node 4 and cost



## Close the application. Run application again and click Run to End





# Sample file to test:

### **Input file**

127

231

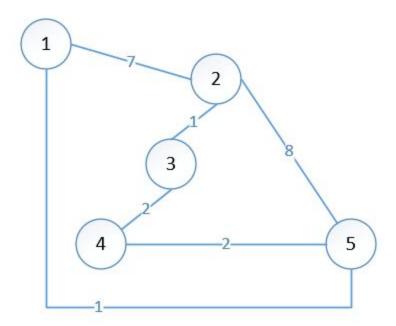
151

452

258

432

## **Network**



### Observations:

When the program runs and performs distance vector, the algorithm runs and takes about 125ms to complete and reach stable state, with the input file provided. The process takes a longer time as a router is connected to another router, as the algorithms fixes issues.