

Q3 Report
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When the input is received from the user on the server side, I compute the values of destination server nodes, forwarded server nodes and delay using the Bellman-Ford Algorithm for the shortest path to the destination given the input.

I have used the concepts of networking between the server and the client to print the routing table when the command “pt” is inputted on the client side.

How would you handle server failures?

When a server failure occurs, the server should recalculate the adjacency matrix with only the servers that are active and then Bellman Ford should be applied to find the minimum delay path from node 0 to each of the remaining nodes.