Exercise 5

To commit the changes, a node has to confirm there is a consensus in the network. The first time, the follower will receive a message and then acknowledge the leader. The leader confirms there is a consensus in the network if it receives the acknowledge message from the majority of nodes. The leader will then send another message which is the second one to ask the follower to commit it.

Exercise 6

6.

Chart, bubble chart

Description automatically generated

7. Four request from step c are not received by the stopped follower. Once it comes back, the leader will send messages to it, telling it that consensuses are made for those four requests, and that follower will update them step by step.

Exercise 7

The three requests remain tentative for the leader and the remaining follower, none of them are committed, because three nodes of five are stopped, which means consensus can’t be made.

Exercise 8

Graphical user interface, text, application

Description automatically generated