

Homework 4

1. (30 points) Give an example execution of FIFO broadcast which is not an execution of causal broadcast. Your example should have at least three nodes and three messages.
2. (20 points) A system has 7 replicas. List all the combinations of read quorum and write quorum that guarantee read-after-write consistency.
3. (50 points) For the following events, assign Lamport timestamps for them and then assign vector timestamps for them. From the vector timestamps, which events are concurrent?

