Team: Dara/Tanner

We will work together to Formally verify the Lamport clock algorithm as introduced int Time, Clocks, and the Ordering of Events in a Distributed System[1].We will mostly be working with petri nets to model our system. We will incorporate the tool GreatSPN3 and will likely need to do the actual model checking in NuSMV. If time permits. We may expand the scope to include vector clock tests as seen in Virtual Time and Global States of Distributed Systems[2].

[1] <https://amturing.acm.org/p558-lamport.pdf>

[2] <https://nylas.github.io/paper-reading-group/papers/Virtual_Time.pdf>