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Transactional Programming

Transactional Locking II

My Transactional Locking II implementation compiles successfully, but it does not finish executing. It runs forever and never seems to successfully commit. I traced issues down with GDB and print statements and it looks like the transactions always abort predominantly when trying to acquire a lock for a write. Print statements at the end of a commit show that it can get to the end of commit despite it having been aborted. I could not solve this issue by the submission deadline but I believe it has to do with my versioning. I could be incorrectly maintaining the version states, especially when unlocking. My disjoint set implementation has the same issue and I could not get it to run for a finite amount of time. `