Concurrent Algorithms 2010: Exercise 9

1 Problem 1

Each of the following executions represents an interleaving of transactions executed by a *Transactional Memory* object. For each execution:

- Specify whether it is opaque or not.
- If it is not, suggest a modification to make it opaque.
- Specify an equivalent serial execution of transactions.

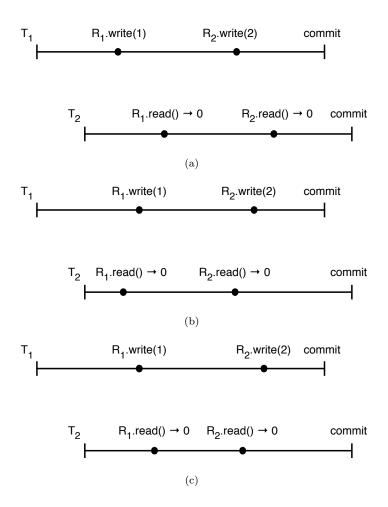


Figure 1: Transactional executions (part 1)

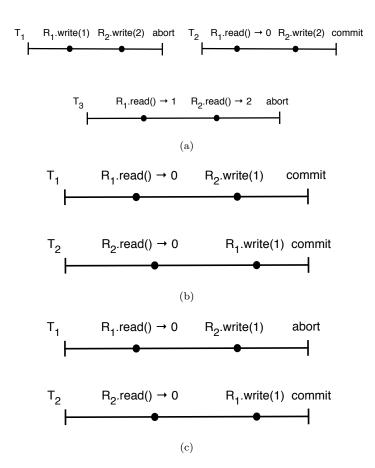


Figure 2: Transactional executions (part 2)