Concurrent Algorithms 2009: Exercise 9

November 23, 2009

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.

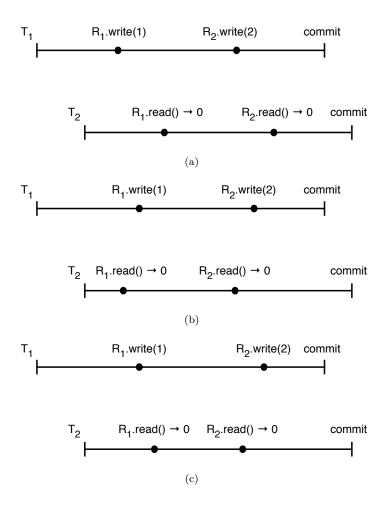


Figure 1: Transactional executions (part 1)

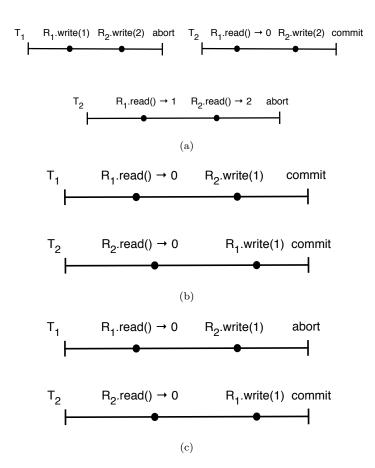


Figure 2: Transactional executions (part 2)