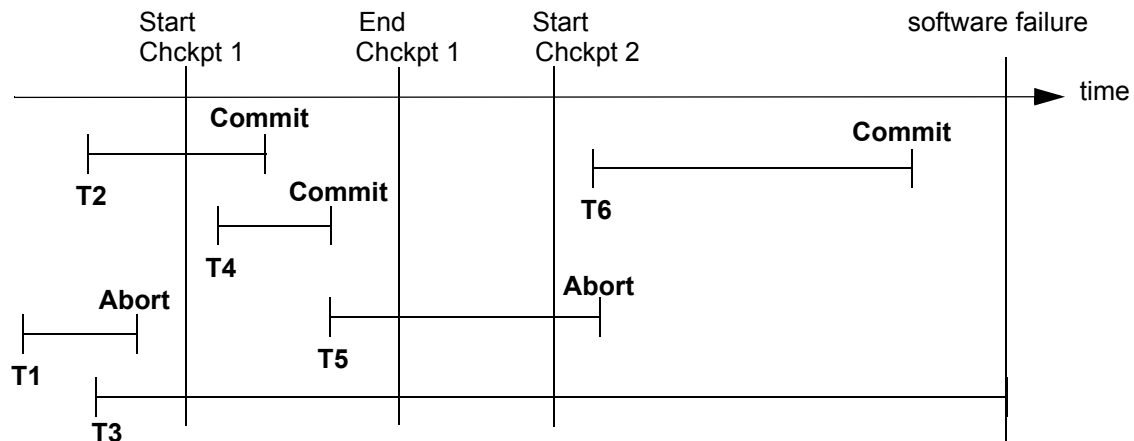## Exercise: Transactions / Recovery

1. Recovery with checkpoints

Consider the following scenario with a log file where fuzzy checkpointing is used:

a)
List which transactions the recovery manager must undo and which ones it must redo. Briefly explain your choice.

b)
Now assume that Checkpoint 2 had successfully finished just before the software failure occurred, after the Commit of T6. What is the answer of problem a) now? Briefly explain.

2. Using Savepoints

Test savepoints in MySQL by defining a transaction with several write actions. Set several savepoints and rollback to different savepoints.
Also test rollback of the entire transaction.