第三次课后作业

Exercise 17.4.2: The following is a sequence of undo/redo-log records written by two transactions *T* and *U*:

<START *U*>;

<*U*, *A,* 10, 11>;

<START *T*>;

<*T*, *B*, 20, 21>;

<*U*, *C*, 30, 31>;

<*T*, *D*, 40, 41>;

<COMMIT *T*>;

<*U*, *E*, 50, 51>;

<COMMIT *U*>.

Describe the action of the recovery manager, including changes to both disk and the log, if there is a crash and the last log record to appear on disk is:

1. <START *T*>
2. <COMMIT *T*>
3. <*U*, *E*, 50, 51>
4. <COMMIT *U*>.