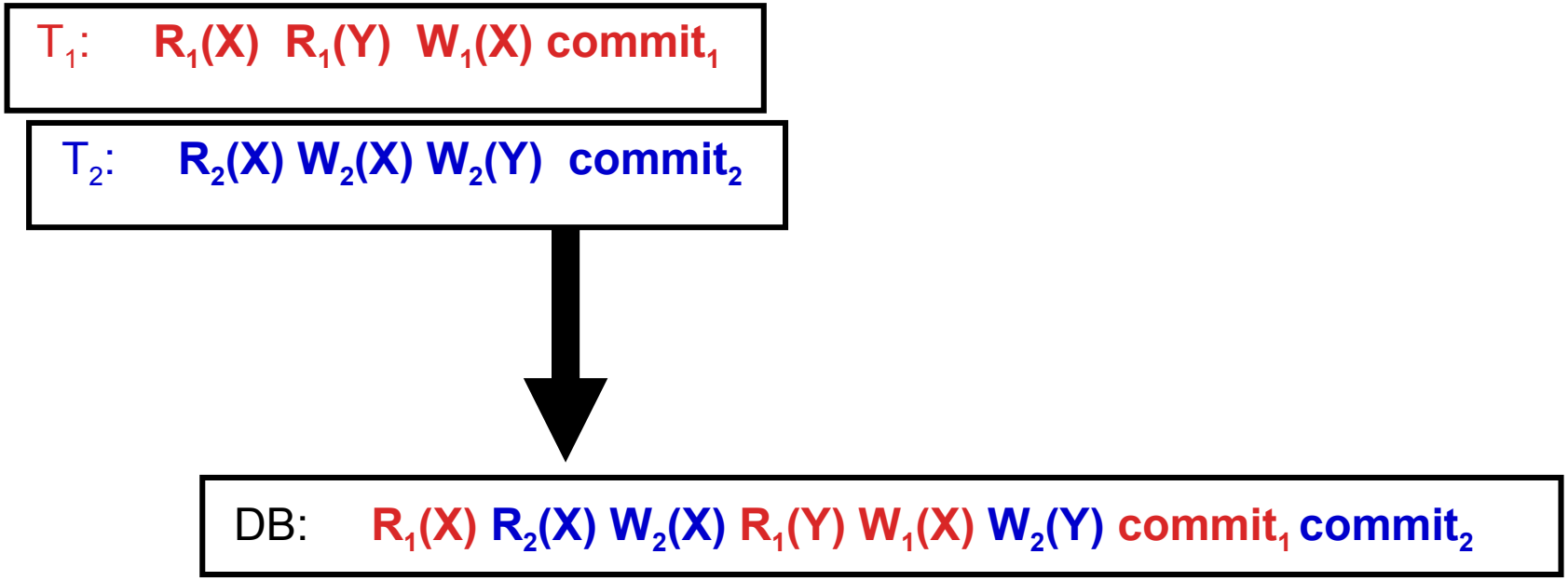
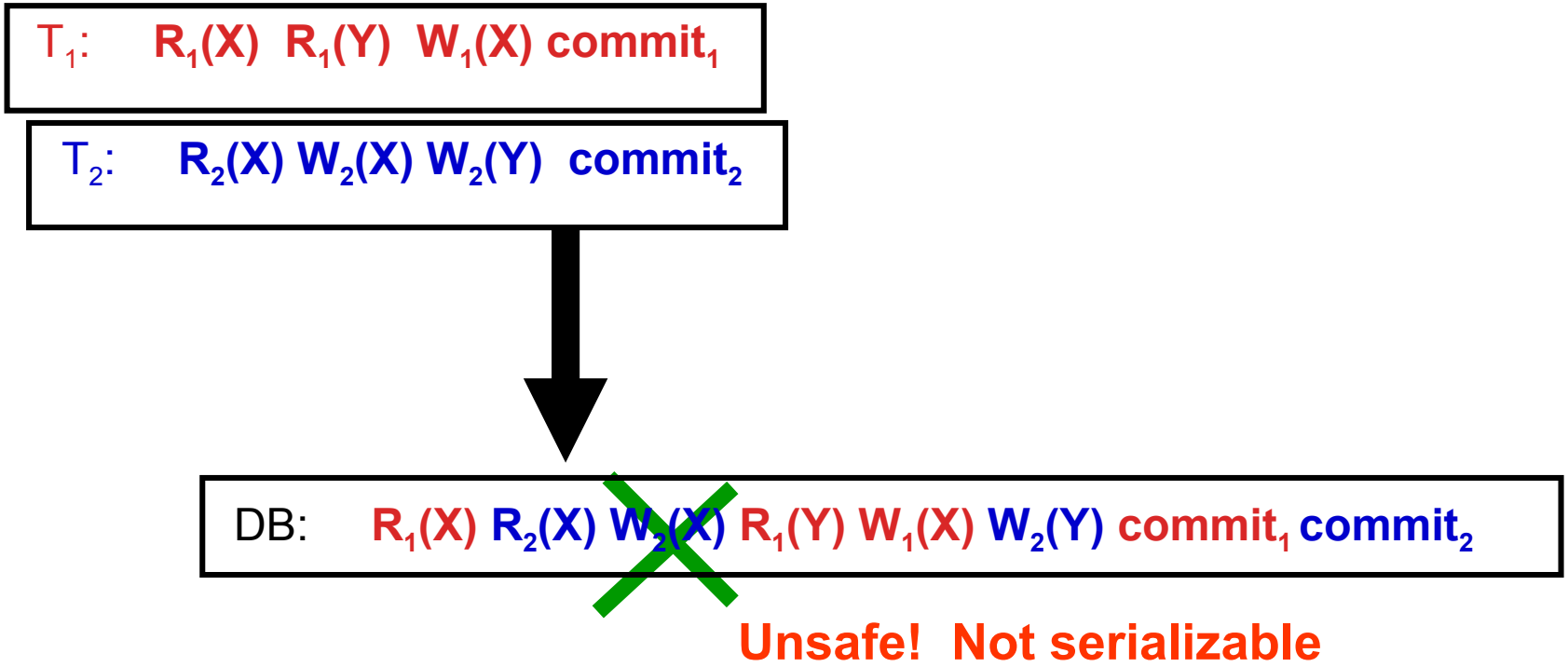
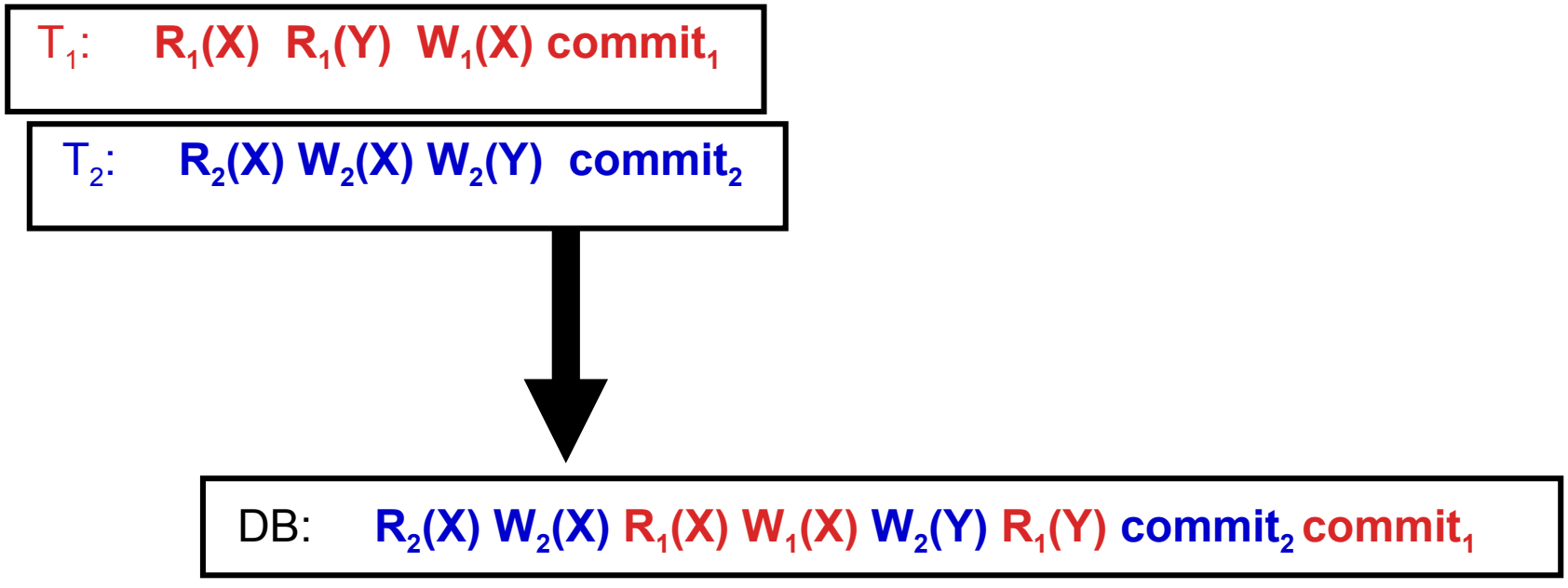

T1: R1(X) R1(Y) W1(X) commit1
T2: R2(X) W2(X) W2(Y) commit2
DB: R1(X) R2(X) W2(X) R1(Y) W1(X) W2(Y) commit1 commit2



Problem: transactions may "interfere".

Here, T_2 changes x, hence T_1 should have either run first (read and write) or after (reading the changed value).



Data manager interleaves operations to improve concurrency but schedules them so that it looks as if one transaction ran at a time.

This schedule "looks" like T_2 ran first.