

shared buffer pool

WAL buffer

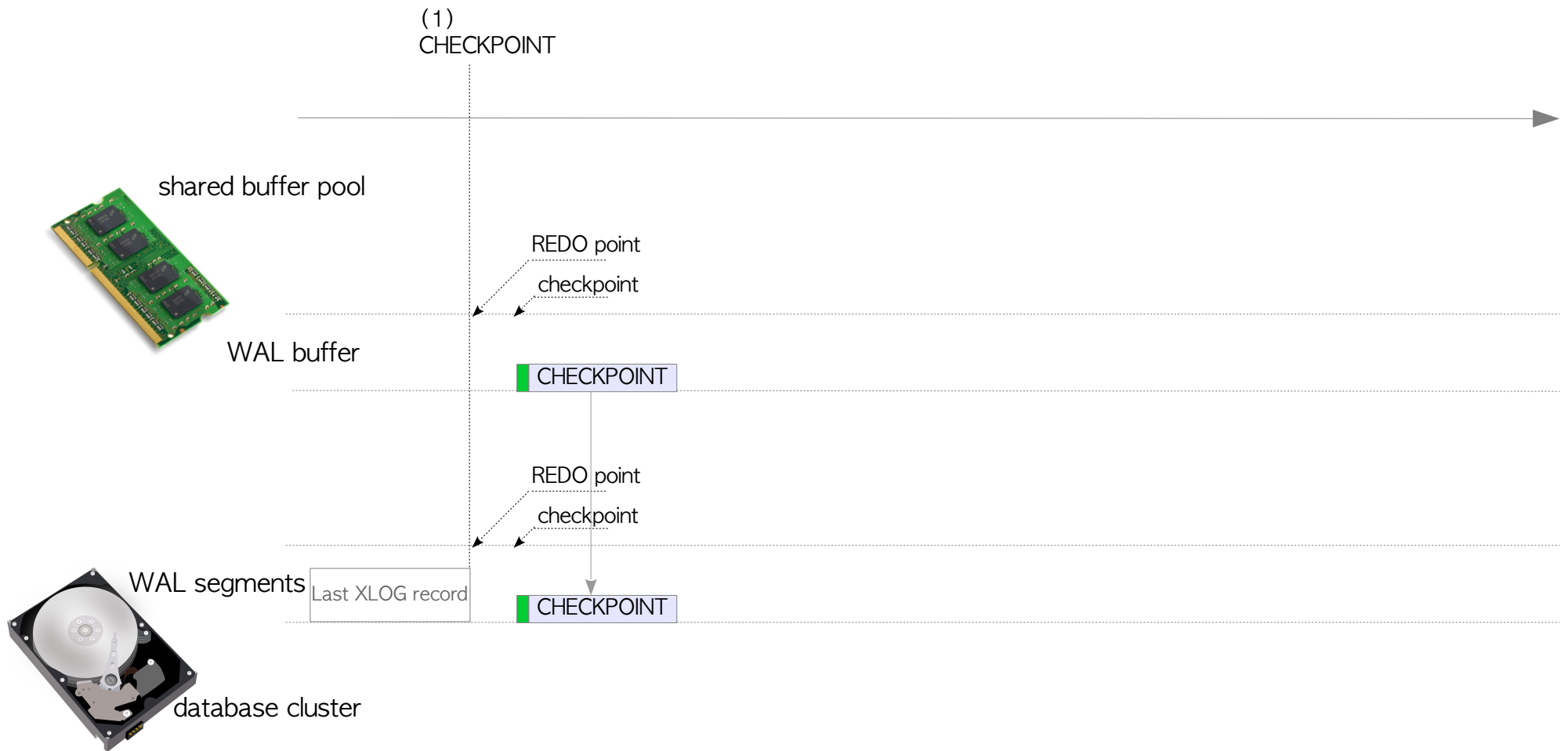


WAL segments

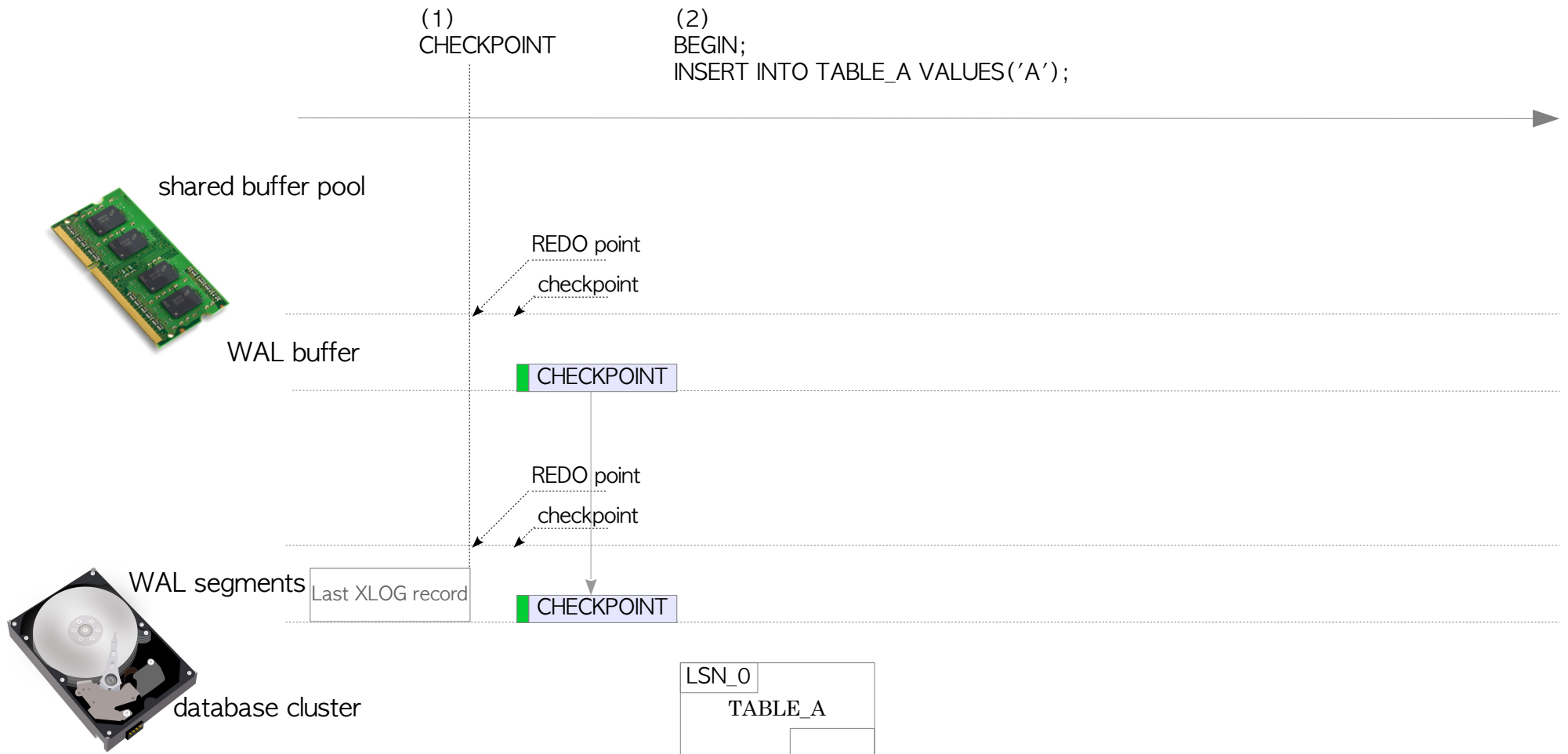
Last XLOG record

database cluster

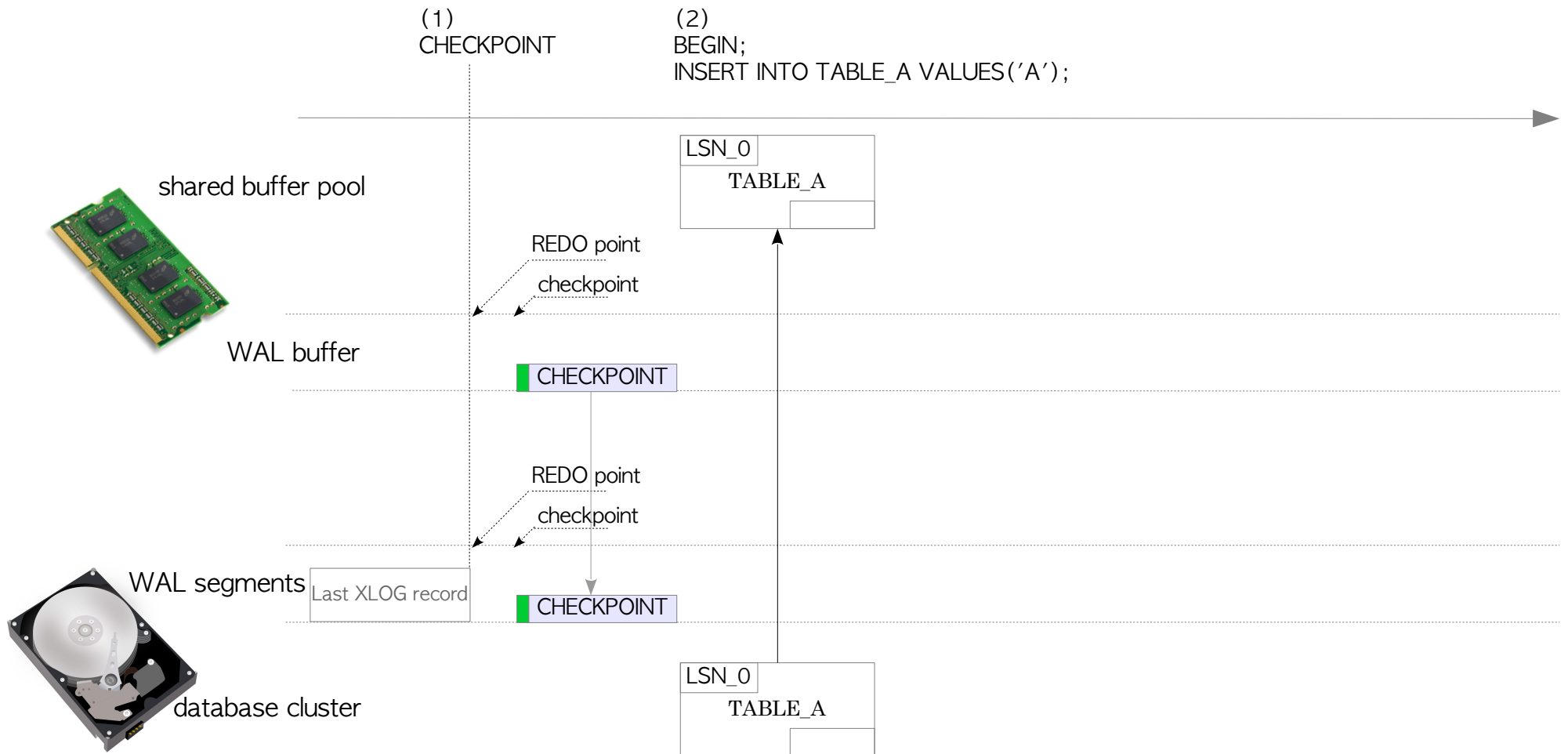
Do checkpoint



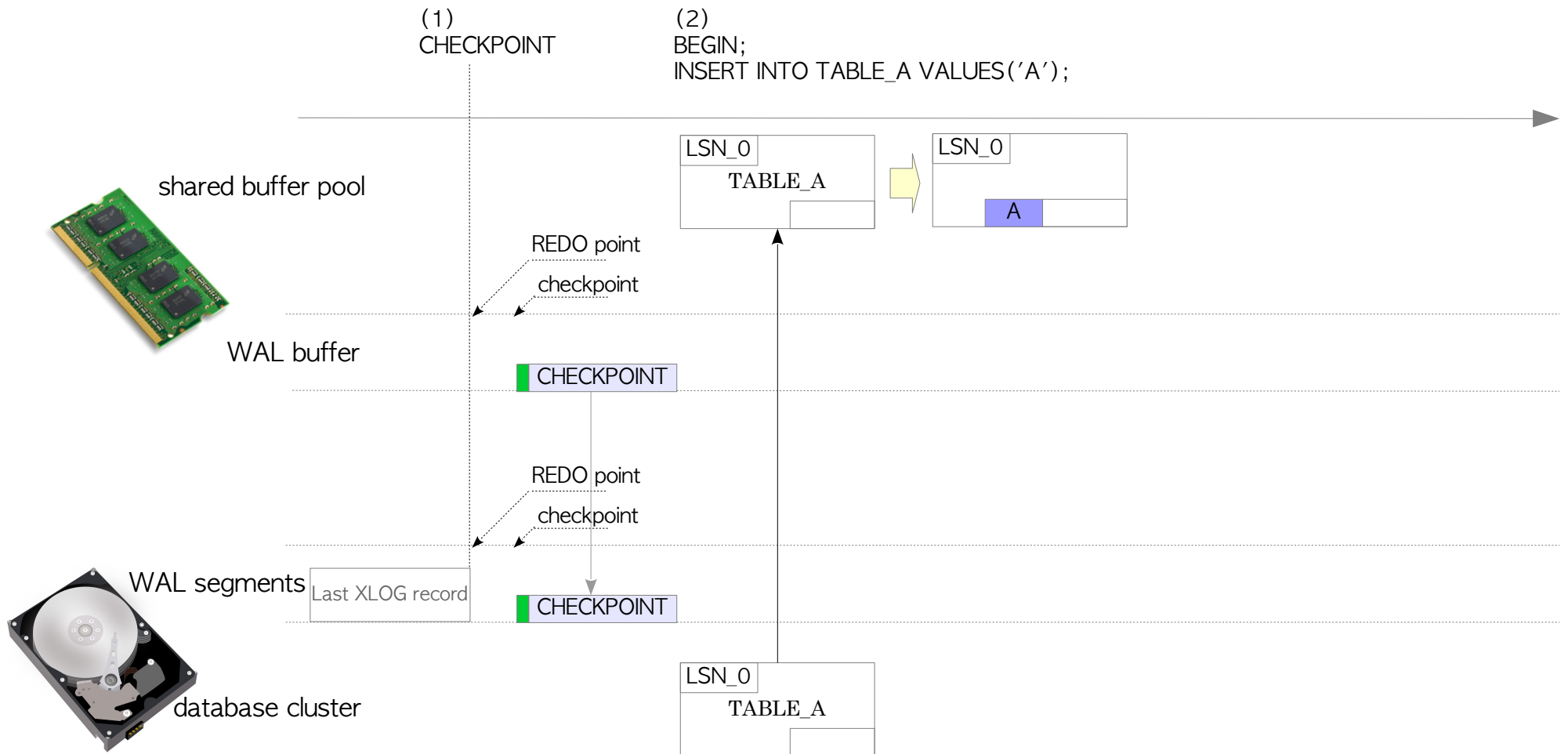
Issue the first INSERT statement



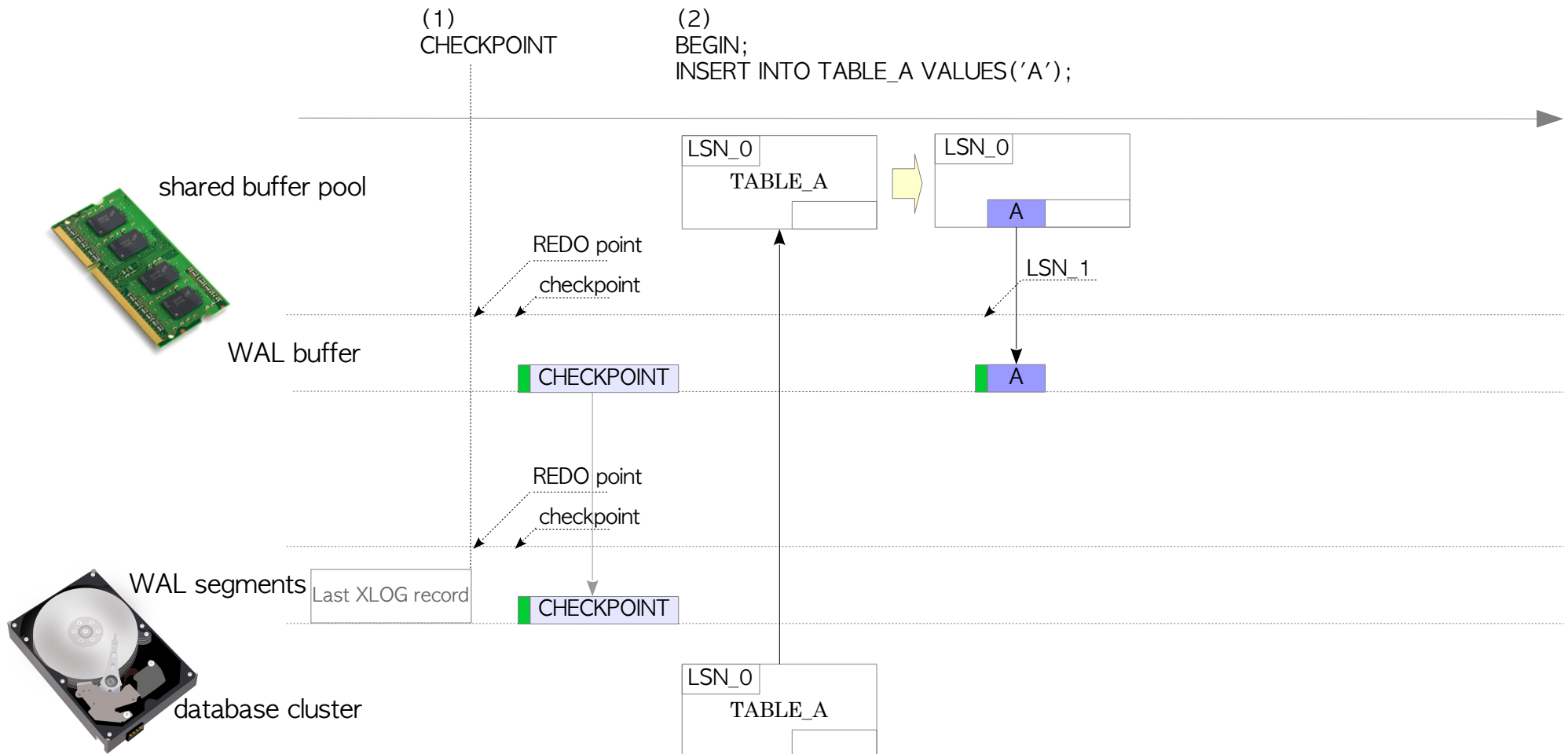
Load the TABLE_A's page



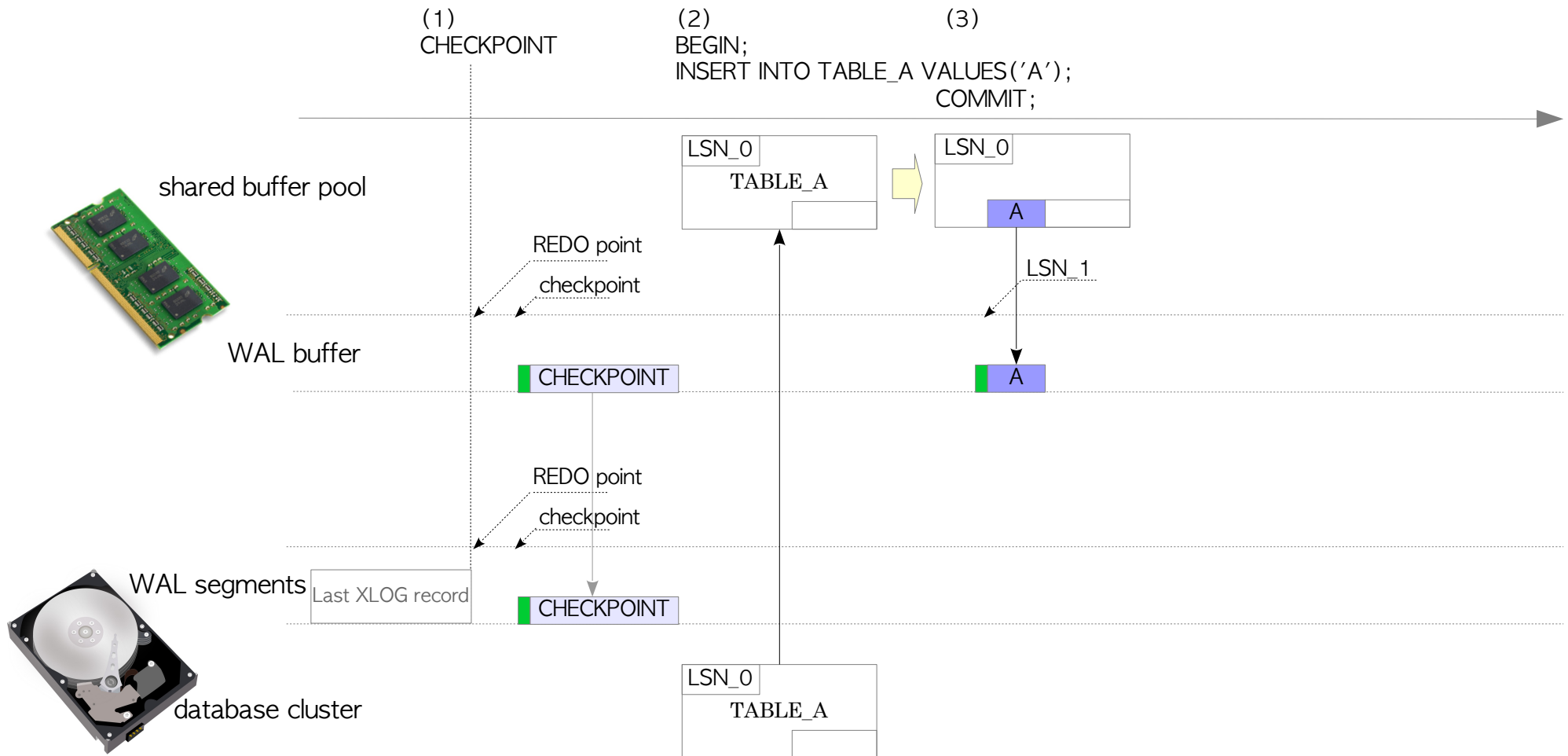
Insert a tuple



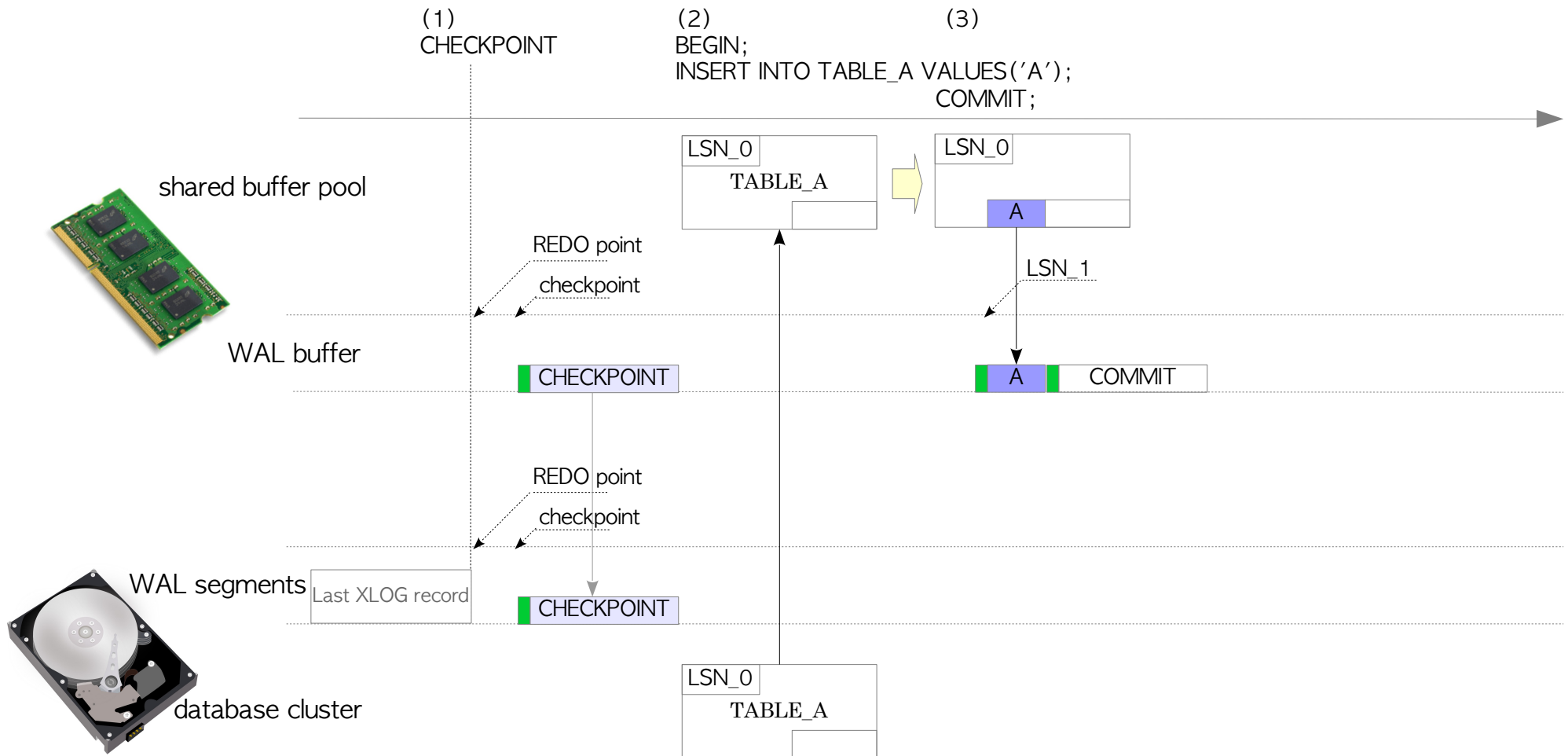
Write the XLOG record of this tuple to the WAL buffer



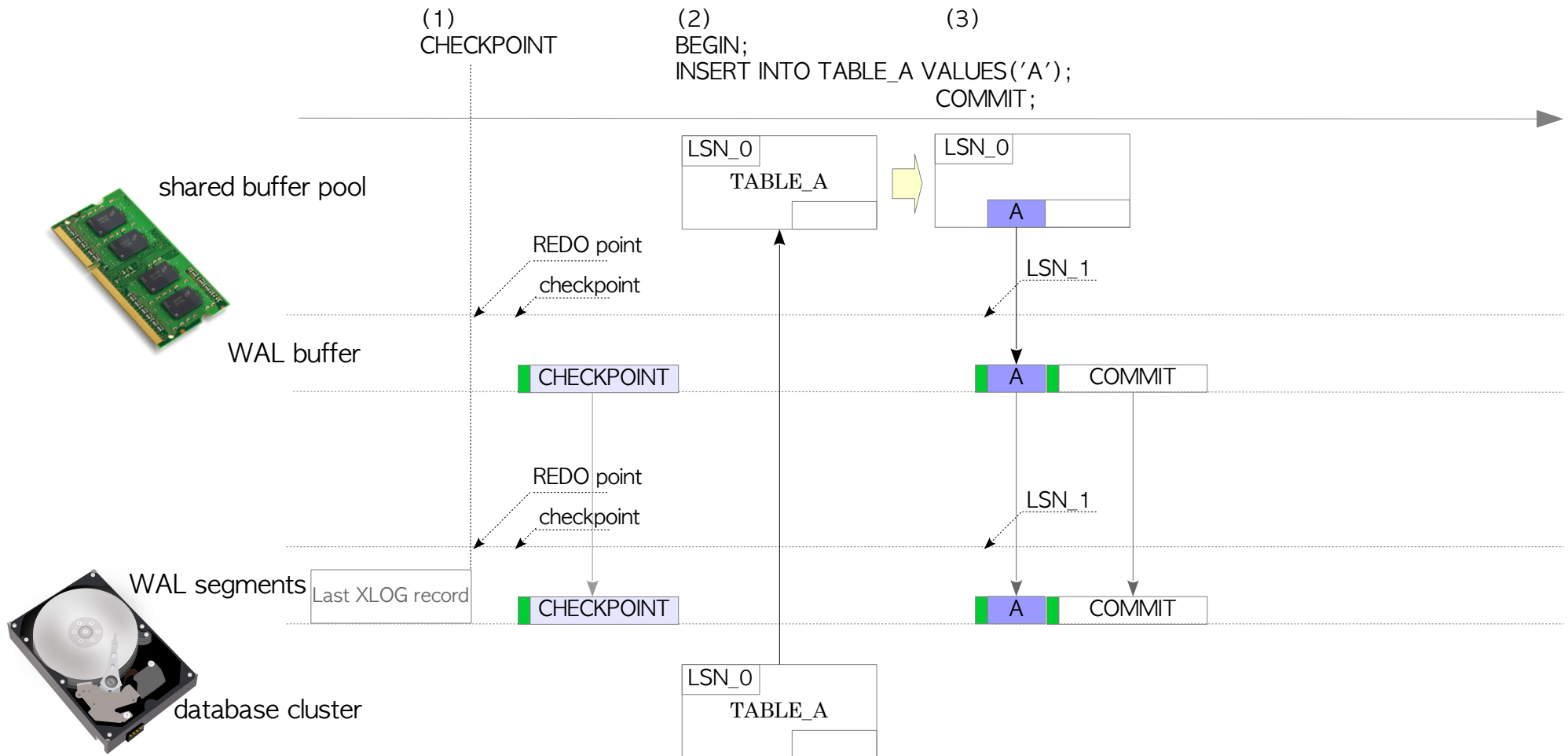
Invoke a commit action



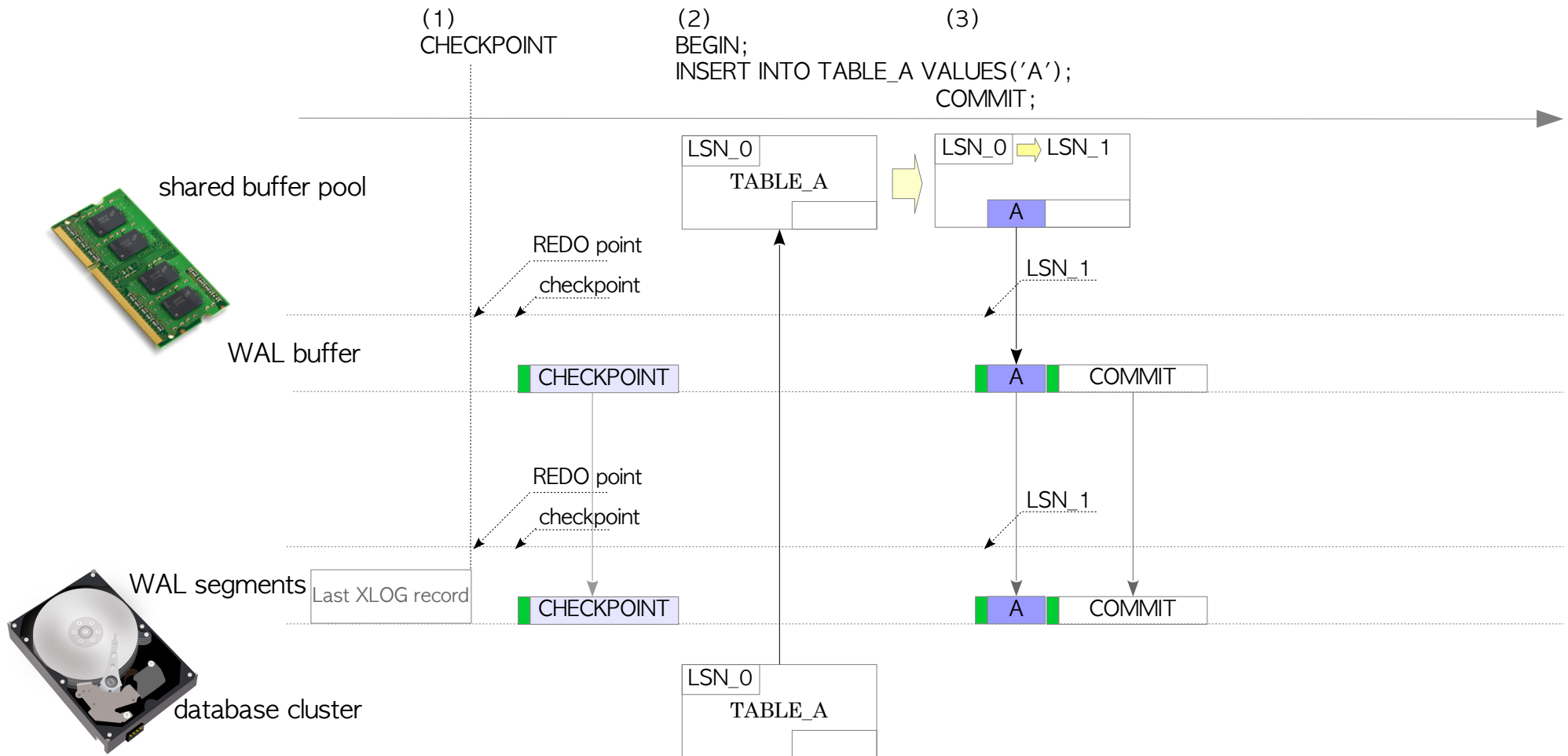
Write the XLOG record of this commit action



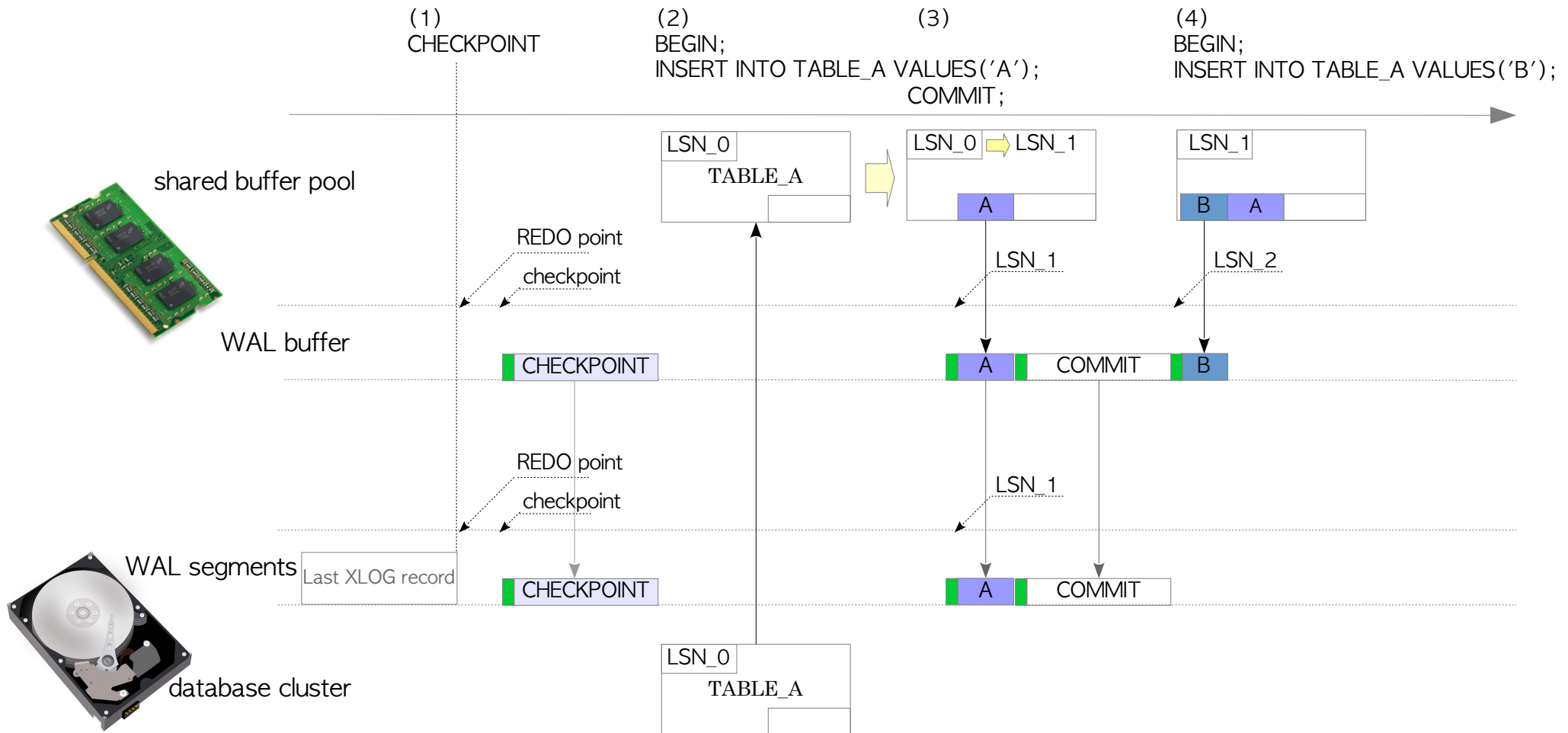
Write and flush the XLOG records to WAL segment



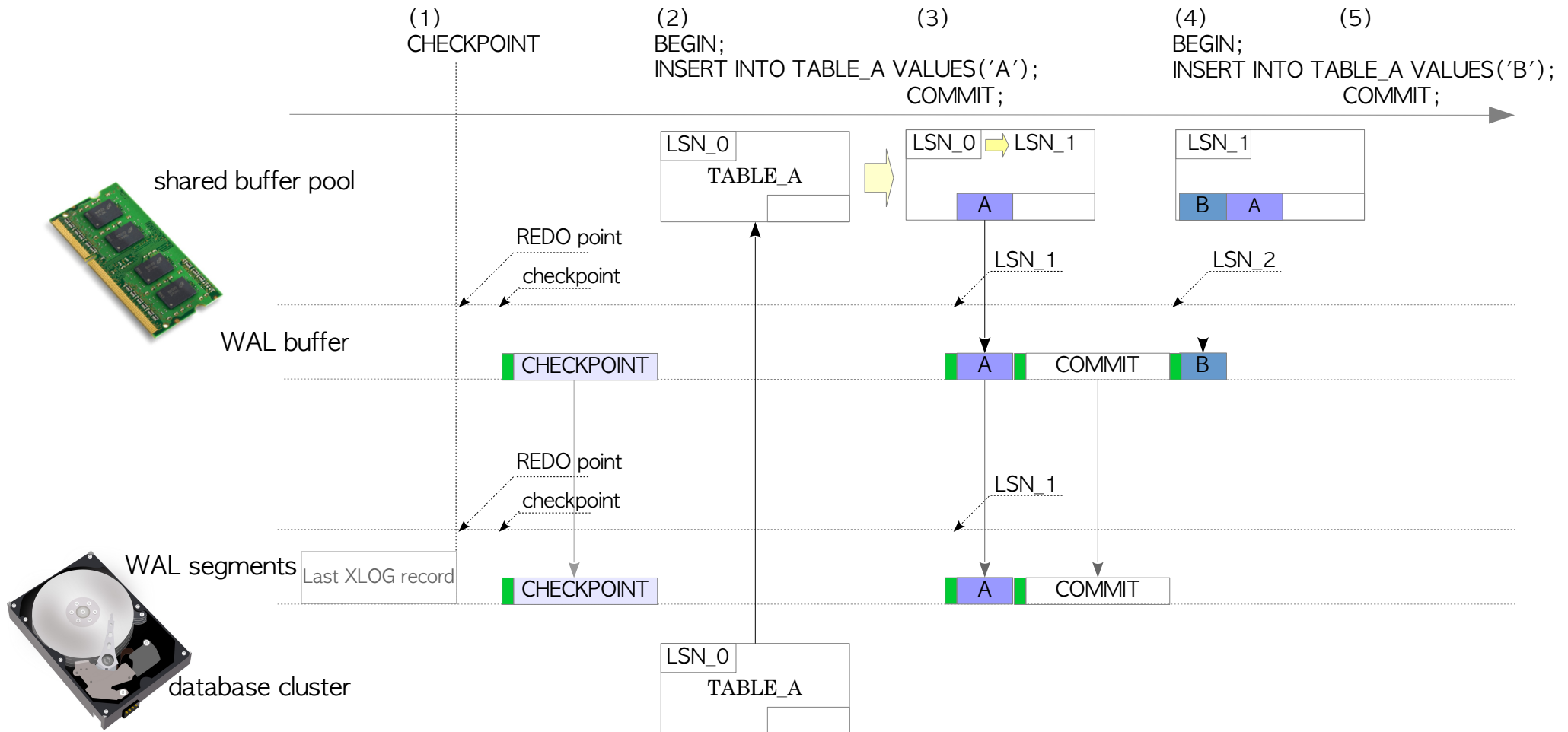
Update TABLE_A's pd_lsn from LSN_0 to LSN_1



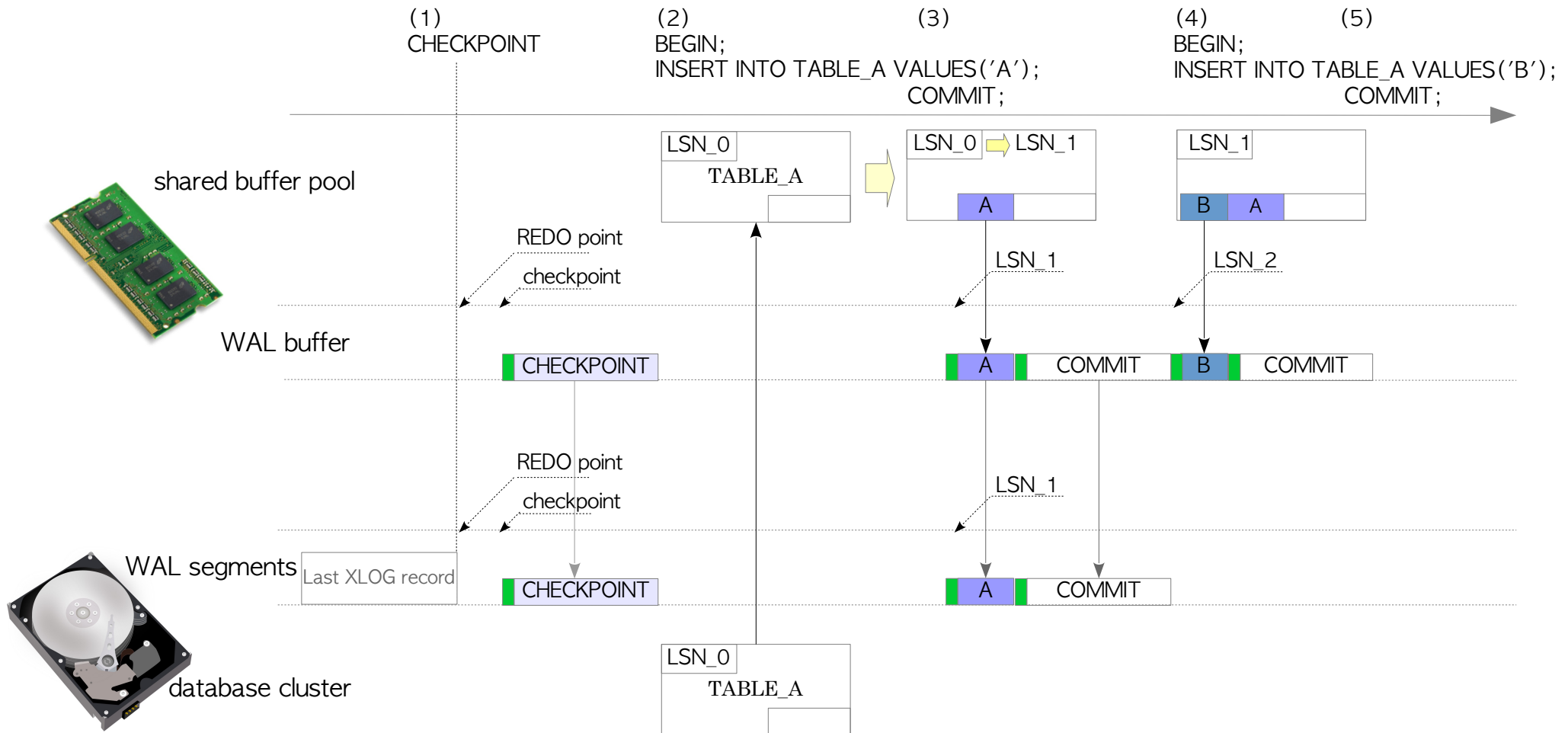
Issue the second statement and write a XLOG record



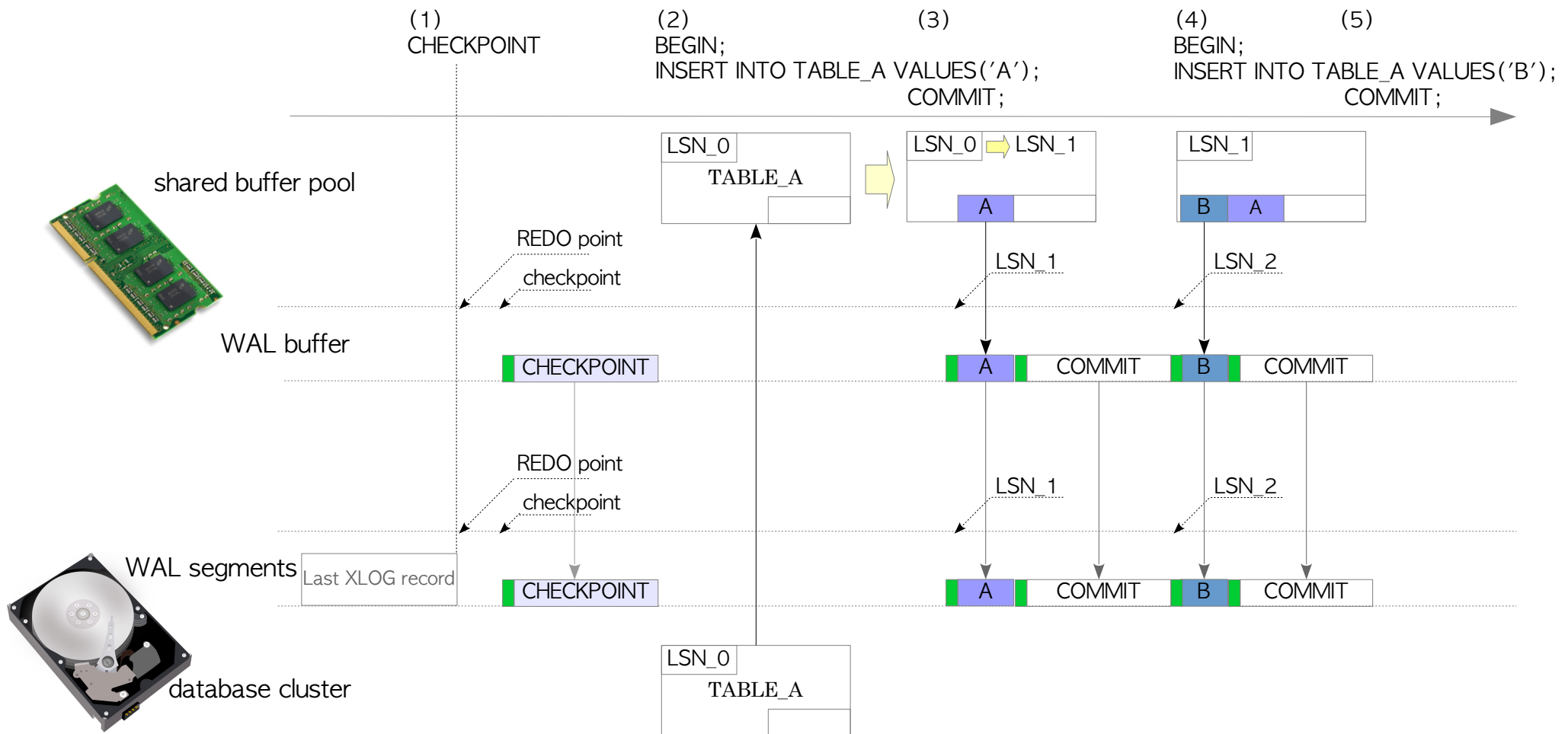
Invoke a commit action



Write the XLOG record of this commit action



Write and flush XLOG records to the WAL segment



Update TABLE_A's pd_lsn from LSN_1 to LSN_2

