

Before Reconciliation			After Reconciliation				
History Store	Data File	In memory	Oldest id, oldest timestamp, stable timestamp	History Store	Data File	In memory (if restoring)	Notes
		U1@t10,id100 U2@t30,id200 U3@t20,id300	id1,ots1,sts1	U1@t10,id100 U2@t20,id200	U3@t20,id300	U1@t10,id100 U2@t20,id200 U3@t20,id300	Can we change the timestamp of the in-memory WT_UPDATE?
			id500,ots1,sts1	U1@t10,id100			We don't need to keep the intermediate update in the history store, since it can never be found by any combination of id and timestamp
			id250,ots15,sts15	U1@t10,id0 U2@t20,id200		U1@t10,id0 U2@t20,id200 U3@t20,id300	
	U1@t10,id100	U2@t30,id200 U3@t20,id300	id1,ots1,sts1			U2@t20,id200 U3@t20,id300	
			id500,ots1,sts1	U1@t10,id100			
			id250,ots15,sts15	U1@t10,id0 U2@t20,id200		U2@t20,id0 U3@t20,id300	
	U1@t20,id100	U2@t10,id200	id1,ots1,sts1	U1@t10,id100	U2@t10,id200	U2@t10,id200	
			id500,ots1,sts1				
			id1,ots15,sts15	???			
U1@t20,id100	U2@t30,id200	U3@t20,id300	id1,ots1,sts1	U1@t20,id100 U2@t20,id200	U3@t20,id300	U3@t20,id300	
			id500,ots1,sts1		U3@t20,id0		The history store content could remain in this case without causing a correctness problem
			id250,ots15,sts15	U2@t20,id0	U3@t20,id300		

U1@t20,id100 U2@t20,id200	U3@t20,id300	U4@t30,id400	id500,ots1,sts1	U3@t20,id0	U4@t30,id0	U4@t30,id400	
			id1,ots1,sts1	U1@t20,id100 U2@t20,id200 U3@t20,id300	U4@t30,id400		