Assignment 5
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1.

- If we have a commit or abort log rec for Xact T, but not an end rec, must redo/undo T.
 - If this node is the coordinator for T, keep sending commit/abort msgs to subs until acks received.
- If we have a prepare log rec for Xact T, but not commit/abort, this node is a subordinate for T.
 - Repeatedly contact the coordinator to find status of T, then write commit/abort log rec; redo/undo T; and write end log rec.
- If we don't have even a prepare log rec for T, unilaterally abort and undo T.
 - This site may be coordinator! If so, subs may send msgs.

2.

a)

Xact T1 read(D)	Xact T2	Xact T3
	read(D) Update(D)	
		Update(D)

b)

Xact T1	Xact T2	Xact T3
read(D)		
		read(D)
		Update(D)
	read(D)	
	Update(D)	

- 3.
- a) R+W > N minimum number=6
- b) R+W > N minimum number=1
- 4.
- a) The first row does not have conflict. Because all data in Copy 2 is same as all data in Copy
- 1. Therefore, we have conclusion that Copy2 & Cpoy1 are in same version.
- b} The second row have the conflict. In Copy 1 [S_Y ,10], in Copy2 [S_Y ,20], so they are not belong same version