T1: R(X), R(Y), W(X) T2: R(X), R(Y), W(Y), R(X), R(Y), W(X), R(Z), W(Z) Action R(X) TI reading X and TZ not started B(Y) TI reading Y W(x)TI writing X, not-committed yet T2 start's reading X, T1 not committed yet, steps 3 and 4 is a WR conflict R(X) R(Y) T2 reading Y T2 writing T2 reading X, steps 3 and 7 is a WR conflict i.e. dirty read T2 reading Y TI rolls back without committing, TZ continues R(Z) 10 At step 9, T1 rolled back without committing and T2 continued. At step 4 and step 7, T2 read the value written by TI which

no longer exists, so T2 reads a dirty value which no longer exists.

T1	T 2	Action	A PER STATE OF THE PER
	R(x)	TZ reading X, TI not started jet, TZ reads X=	
en par Nagaro ago con apagona	R(V)	TZ reading Y	
	W(Y)	TZ Writing Y	
R(X)	and the second s	TI starts reading X as X=80, TI not committed yet and interleaved	
R(Y)	gagagagan - athire an internet	TI reading Y	
W(X)	Angeler - consists explained estates and property consists expression	X=100, steps I and assume it writes it as X=100, steps I and 6 cause RW conflict TZ again starts reading X, but reads X=100 since	5
agasta ma dheesa dheesa dhiidhii gabaantaa dh	B(X)	TZ again starts reading X, but reads X = 100 since it got modified by TI at step 6	Schoolsening:
yan sa waxaa da ka	R(Y)	T2 reading Y	Section of the sectio
V (VIII) (VIII) (VIII) (VIII) (VIII) (VIII) (VIII) (VIII) (VIIII) (VIII) (VIIII) (VIIII) (VIIII) (VIIII) (VIIII) (VIIII) (VIIIII) (VIIII) (VIIIII) (VIIIII) (VIIII) (VIIIII) (VIIIIII) (VIIIII) (VIIIII) (VIIIII) (VIIIII) (VIIIII) (VIIIIII) (VIIIII) (VIIIII) (VIIIIII) (VIIIII) (VIIIII) (VIIIII) (VIIIIII) (VI		T2 continues	9
4 4	00 7	T2 again reads X, but reads it as	X=100
ince	it was	modified by T1 at step 6. At this	s step
T2 H	ninks P	t is running in isolation, but another	transaction
T1 W	108 als	o running and changed the value of x	1 to 100.
and the second second	ti di santa da santa	10 times T2 reads X, it read dif	A STATE OF THE PARTY OF THE PAR

Step Action T2 reading X, T1 not storted, T2 reads X=50 R(X) R(Y) TZ reading Y T2 writing Y M(Y): Tz again reading X=50, TZ interleaved here B(X) TI reading X R(X) T1 reading Y R(Y) TI writing X and assume it writes X=100, interleaved uncommitted M(X)T2 again reading Y R(Y) TZ writing X as X=200 (assume), causes WW conflict W(X) between steps 7 and 9 T2 continues At step 9, TZ is writing X as X=200 and it causes a write-write conflict between steps 7 and 9. The value written by T1 (x=100) is overwritten by T2 as X=200, so we lost the value of TI which is a lost update.

3) Let the initial value of X be X=50