

ComS 363 HW5.2

Q1)

T_1	T_2
X(A)	
R(A)	
W(A)	
cm+	
	S(A)
	R(A)
	cm+

1) $T_1: X(A)$ T_1 requests X lock on A

Item	Locks
A	X(T_1)

2) $T_1: R(A)$ T_1 reads A since it has an X lock

Item	Locks
A	X(T_1)

3) $T_1: W(A)$ T_1 writes to A

4) $T_1: cm+$ T_1 releases its X lock on A after commit

Item	Locks
A	(No locks)

5) $T_2: S(A)$ T_2 acquires a shared lock of A

Item	Locks
A	S(T_2)

6) $T_2: R(A)$ T_2 reads A

Item	Locks
A	S(T_2)

7) $T_2: cm+$ T_2 releases its S lock on A after commit

Item	Locks
A	(No locks)