b1;

Transaction 1 has begun and it has been entered in the transaction table with it's state as Active and timestamp as 1.

r1(Y);

Transaction 1 is Active so entry for data item Y has been made in the lock table and transaction 1 has acquired Read Lock on it.

w1(Y);

For the data item Y and transaction ID 1 lock has been upgraded to Write Lock.

r1(Z);

Transaction 1 is Active so entry for data item Z has been made in the lock table and transaction 1 has acquired Read Lock on it.

b3;

Transaction 3 has begun and it has been entered in the transaction table with it's state as Active and timestamp as 2.

r3(X);

Transaction 3 is Active so entry for data item X has been made in the lock table and transaction 3 has acquired Read Lock on it.

w3(X);

For the data item X and transaction ID 3 lock has been upgraded to Write Lock.

w1(Z);

For the data item Z and transaction ID 1 lock has been upgraded to Write Lock.

e1;

Transaction1 has released all the locks and is ready to commit

r3(Y);

For the data item Y and transaction ID 3 lock has acquired to Read Lock.

b2;

Transaction 2 has begun and it has been entered in the transaction table with it's state as Active and timestamp as 3.

r2(Z);

For the data item Z and transaction ID 2 lock has acquired to Read Lock.

w2(Z);

For the data item Z and transaction ID 2 lock has been upgraded to Write Lock.

w3(Y);

For the data item Y and transaction ID 3 lock has been upgraded to Write Lock.

e3;

Transaction3 has released all the locks and is ready to commit

r2(X);

For the data item X and transaction ID 2 lock has acquired to Read Lock.

w2(X);

For the data item X and transaction ID 2 lock has been upgraded to Write Lock.

e2;

Transaction2 has released all the locks and is ready to commit