|  |  |
| --- | --- |
| Transaction\_A | Transaction\_B |
| mysql> set autocommit=0;  mysql> select \* from innodb\_lock where id=4 for update;  +----+------+------+  | id | k | v |  +----+------+------+  | 4 | 4 | 4000 |  +----+------+------+  1 row in set (0.00 sec) | mysql> select \* from innodb\_lock where id=4 for update;  等待...... |
| mysql> update innodb\_lock set v='4001' where id=4;  Query OK, 1 row affected (0.00 sec)  Rows matched: 1 Changed: 1 Warnings: 0 | 等待...... |
| mysql> commit;  Query OK, 0 rows affected (0.04 sec) | mysql> select \* from innodb\_lock where id=4 for update;  +----+------+------+  | id | k | v |  +----+------+------+  | 4 | 4 | 4001 |  +----+------+------+  1 row in set (9.53 sec) |

|  |  |
| --- | --- |
| Transaction\_A | Transaction\_B |
| mysql> set autocommit=0;  mysql> select \* from innodb\_lock where id=4 lock in share mode;  +----+------+------+  | id | k | v |  +----+------+------+  | 4 | 4 | 4001 |  +----+------+------+  1 row in set (0.00 sec) | mysql> set autocommit=0;  mysql> select \* from innodb\_lock where id=4 lock in share mode;  +----+------+------+  | id | k | v |  +----+------+------+  | 4 | 4 | 4001 |  +----+------+------+  1 row in set (0.00 sec) |
| mysql> update innodb\_lock set v='4002' where id=4;  等待...... |  |
| 等待...... | mysql> update innodb\_lock set v='4002' where id=4;  ERROR 1213 (40001): Deadlock found when trying to get lock; try restarting transaction |
| Query OK, 1 row affected (31.29 sec)  Rows matched: 1 Changed: 1 Warnings: 0 |  |