

```

package com.sxt.others;

/**
 * 不可重入锁：锁不可以延续使用
 * @author 江
 *
 */

public class LockTest02 {
    Lock lock=new Lock();
    public void a() throws InterruptedException {
        lock.lock();
        doSomething();
        lock.ReleaseLock();
    }

    public void doSomething() throws InterruptedException {
        lock.lock();
        lock.ReleaseLock();
    }

    public static void main(String[] args) throws InterruptedException {
        LockTest02 test=new LockTest02();
        test.a();
    }
}

class Lock{
    //是否占用
    private boolean isLocked=false;

    //使用锁
    public synchronized void lock() throws InterruptedException {
        while(isLocked) {
            wait();
        }
    }
}

```

```
        isLocked=true;
    }

    //释放锁
    public synchronized void ReleaseLock() {
        isLocked=false;
        notify();
    }
}
```