## Replicable deadlock

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## A Replicable Simple Example

```
class A
    synchronized void methodA(B b) {
        b.last();
    synchronized void last() {
        System.out.println("Inside A.last()");
class B {
    synchronized void methodB(A a) {
        a.last();
    synchronized void last() {
        System.out.println("Inside B.last()");
```

```
#!/bin/bash

for (( c=1; c<=100; c++ ))
do
     echo "$c times"
     java Deadlock
done</pre>
```

```
class Deadlock implements Runnable {
    A = new A();
    B b = new B();
   Deadlock() {
        Thread t = new Thread(this);
        int count = 20000;
        t.start();
        while (count-->0);
        a.methodA(b);
    public void run() {
        b.methodB(a);
    public static void main(String args[] ) {
        new Deadlock();
```

Another article:

http://javaeesupportpatterns.blogspot.ca/2013/01/java-concurrency-hidden-thread-deadlocks.html

## 要求

- 在三个不同平台运行上述程序
  - Linux vs. Windows
  - Desktop vs. Laptop
  - o PC vs. Mobile device