```java
package main.java.Test1;

public class TestSynchronized {
    public static void main(String[] args) {
        new Thread(()->A.test(),"Thread-A").start();
        new Thread(()->B.test(),"Thread-B").start();
        try {
            Thread.sleep(50000);
        } catch (InterruptedException e) {
            e.printStackTrace();
        }
    }
}

class A{
    public static synchronized void test(){
        System.out.println("Method from A");
        try {
            Thread .sleep(5000);
            B.test();
        } catch (InterruptedException e) {
            e.printStackTrace();
        }
    }
}

class B{
    public static synchronized void test(){
        System.out.println("Method from B");
        try {
            Thread .sleep(5000);
            A.test();
        } catch (InterruptedException e) {
            e.printStackTrace();
        }
    }
}
```

jvisualvm

```
"Thread-B" #12 prio=5 os_prio=0 tid=0x000000001c565800 nid=0x2d88 waiting for monitor entry [0x000000001cf5e000]
   java.lang.Thread.State: BLOCKED (on object monitor)
        at main.java.Test1.A.test(TestSynchronized.java:17)
        - waiting to lock <0x000000078432b9b8> (a java.lang.Class for main.java.Test1.A)
        at main.java.Test1.B.test(TestSynchronized.java:32)
        - locked <0x000000078432b360> (a java.lang.Class for main.java.Test1.B)
        at main.java.Test1.TestSynchronized.lambda$main$1(TestSynchronized.java:6)
        at main.java.Test1.TestSynchronized$$Lambda$2/1023892928.run(Unknown Source)
        at java.lang.Thread.run(Thread.java:748)

   Locked ownable synchronizers:
        - None

"Thread-A" #11 prio=5 os_prio=0 tid=0x000000001c564800 nid=0x4c84 waiting for monitor entry [0x000000001ce5e000]
   java.lang.Thread.State: BLOCKED (on object monitor)
        at main.java.Test1.B.test(TestSynchronized.java:29)
        - waiting to lock <0x000000078432b360> (a java.lang.Class for main.java.Test1.B)
        at main.java.Test1.A.test(TestSynchronized.java:20)
        - locked <0x000000078432b9b8> (a java.lang.Class for main.java.Test1.A)
        at main.java.Test1.TestSynchronized.lambda$main$0(TestSynchronized.java:5)
        at main.java.Test1.TestSynchronized$$Lambda$1/1078694789.run(Unknown Source)
        at java.lang.Thread.run(Thread.java:748)

   Locked ownable synchronizers:
        - None
```

jconsole