THREAD1 initial value of flag1: 0, flag2:0

Thread1 entering critical section: (flag1 value: 1, flag2 value: 0)

Thread1 entering non critical section: (flag1 value: 0, flag2 value: 0)

THREAD1 initial value of flag1: 0, flag2:0

Thread1 entering critical section: (flag1 value: 1, flag2 value: 0)

Thread1 entering non critical section: (flag1 value: 0, flag2 value: 0)

THREAD1 initial value of flag1: 0, flag2:0

Thread1 entering critical section: (flag1 value: 1, flag2 value: 0)

Thread1 entering non critical section: (flag1 value: 0, flag2 value: 0)

THREAD1 initial value of flag1: 0, flag2:0

Thread1 entering critical section: (flag1 value: 1, flag2 value: 0)

Thread1 entering non critical section: (flag1 value: 0, flag2 value: 0)

THREAD1 initial value of flag1: 0, flag2:0

Thread1 entering critical section: (flag1 value: 1, flag2 value: 0)

Thread1 entering non critical section: (flag1 value: 0, flag2 value: 0)

THREAD2 initial value of flag1: 0, flag2:0

Thread2 entering critical section: (flag1 value: 0, flag2 value: 1)

Thread2 entering non critical section: (flag1 value: 0, flag2 value: 0)

THREAD2 initial value of flag1: 0, flag2:0

Thread2 entering critical section: (flag1 value: 0, flag2 value: 1)

Thread2 entering non critical section: (flag1 value: 0, flag2 value: 0)

THREAD2 initial value of flag1: 0, flag2:0

Thread2 entering critical section: (flag1 value: 0, flag2 value: 1)

Thread2 entering non critical section: (flag1 value: 0, flag2 value: 0)

THREAD2 initial value of flag1: 0, flag2:0

THREAD1 initial value of flag1: 0, flag2:0

Thread2 entering critical section: (flag1 value: 0, flag2 value: 1)

Thread2 entering non critical section: (flag1 value: 1, flag2 value: 0)

THREAD2 initial value of flag1: 1, flag2:0

Thread1 entering critical section: (flag1 value: 1, flag2 value: 0)

Thread1 entering non critical section: (flag1 value: 0, flag2 value: 1)

Thread2 entering critical section: (flag1 value: 0, flag2 value: 1)

THREAD1 initial value of flag1: 0, flag2:1

Thread2 entering non critical section: (flag1 value: 0, flag2 value: 0)

**Thread1 entering critical section: (flag1 value: 1, flag2 value: 0)**

**THREAD2 initial value of flag1: 1, flag2:0**

**Thread1 entering non critical section: (flag1 value: 0, flag2 value: 0)**

**Thread2 entering critical section: (flag1 value: 0, flag2 value: 1)**

**THREAD1 initial value of flag1: 0, flag2:1**

**Thread1 entering critical section: (flag1 value: 1, flag2 value: 0)**

**Thread1 entering non critical section: (flag1 value: 0, flag2 value: 0)**

**THREAD1 initial value of flag1: 0, flag2:0**

**Thread1 entering critical section: (flag1 value: 1, flag2 value: 0)**

**Thread1 entering non critical section: (flag1 value: 0, flag2 value: 0)**

THREAD1 initial value of flag1: 0, flag2:0

Thread1 entering critical section: (flag1 value: 1, flag2 value: 0)

Thread1 entering non critical section: (flag1 value: 0, flag2 value: 0)

Thread2 entering non critical section: (flag1 value: 0, flag2 value: 0)

THREAD2 initial value of flag1: 0, flag2:0

Thread2 entering critical section: (flag1 value: 0, flag2 value: 1)

Thread2 entering non critical section: (flag1 value: 0, flag2 value: 0)

THREAD2 initial value of flag1: 0, flag2:0

Thread2 entering critical section: (flag1 value: 0, flag2 value: 1)

Thread2 entering non critical section: (flag1 value: 0, flag2 value: 0)

THREAD2 initial value of flag1: 0, flag2:0

Thread2 entering critical section: (flag1 value: 0, flag2 value: 1)

Thread2 entering non critical section: (flag1 value: 0, flag2 value: 0)

THREAD2 initial value of flag1: 0, flag2:0

Thread2 entering critical section: (flag1 value: 0, flag2 value: 1)

Thread2 entering non critical section: (flag1 value: 0, flag2 value: 0)