

Initially, x=y=0;

T1

1. r1 = x.load(memory_order_relaxed);
2. y.store(1, memory_order_relaxed);

T2

3. r2 = y.load(memory_order_relaxed);
4. x.store(1, memory_order_relaxed);

(a)

Initially, x=y=0;

T1

1. while ((r1 = x.load(memory_order_relaxed)) != 1) {};
2. y.store(2, memory_order_relaxed);

T2

3. r2 = y.load(memory_order_relaxed);
4. x.store(1, memory_order_relaxed);

(b)