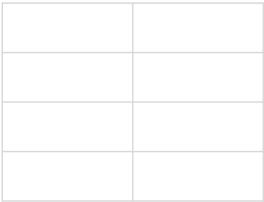
```
void atomic_read_barrier()
    std::cout << "y = " << ay.load() << std::endl;</pre>
    std::cout << "x = " << x << std::endl;</pre>
    std::cout << std::endl;</pre>
void atomic_write_barrier()
    x = 42;
   ay.store(20);
std::thread t2(atomic_read_barrier);
std::thread t1(atomic_write_barrier);
t1.join();
t2.join();
```

std::atomic<int> ay{0};

int x = 0;

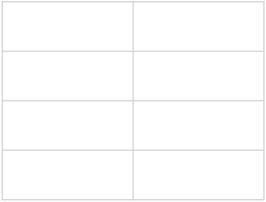












```
std::atomic<int> ay{0};
int x = 0;
void atomic_read_barrier()
    std::cout << "y = " << ay.load() << std::endl;
    std::cout << "x = " << x << std::endl;
    std::cout << std::endl;</pre>
}
void atomic_write_barrier()
    x = 42;
    ay.store(20);
```

std::threa	<pre>id t2(atomic_read_barrier);</pre>
std::threa	<pre>id t1(atomic_write_barrier);</pre>
<pre>t1.join();</pre>	
t2.join();	

Х	У		
0	0		
42	0		
42	20		

```
void th_read_lock()
{
    lock lk{m};
    std::cout << "x = " << x << std::endl;
    std::cout << "y = " << y << std::endl;
    std::cout << std::endl;</pre>
void th_write_lock()
{
    lock lk{m};
    x = 42;
   y = 20;
 std::thread t2(th_read_lock);
 std::thread t1(th_write_lock);
 t1.join();
 t2.join();
```