```
specific_task();
                                 specific_task();
mutex.wait();
                                 mutex.wait():
   count++;
                                    count++;
mutex.signal();
                                    if (count == n)
if (count == n)
                                        barrier.signal():
   barrier.signal();
                                    barrier.wait():
barrier.wait():
                                    barrier.signal():
barrier.signal():
                                 mutex.signal():
critical_point();
                                 critical point();
```