

Przykład z dokumentacji interfejsu *Condition* dostępnej na stronie

<http://docs.oracle.com/javase/7/docs/api/>

```
class BoundedBuffer
{
    final Lock lock = new ReentrantLock();
    final Condition notFull = lock.newCondition();
    final Condition notEmpty = lock.newCondition();

    final Object[] items = new Object[100];
    int putptr, takeptr, count;

    public void put(Object x) throws InterruptedException
    {
        lock.lock();
        try
        {
            while (count == items.length)
                notFull.await();
            items[putptr] = x;
            if (++putptr == items.length) putptr = 0;
            ++count;
            notEmpty.signal();
        }
        finally
        {
            lock.unlock();
        }
    }

    public Object take() throws InterruptedException
    {
        lock.lock();
        try
        {
            while (count == 0)
                notEmpty.await();
            Object x = items[takeptr];
            if (++takeptr == items.length) takeptr = 0;
            --count;
            notFull.signal();
            return x;
        }
        finally
        {
            lock.unlock();
        }
    }
}
```