FIGURE 3.7 Sequential consistency versus real-time order. Thread A enqueues x, and later thread B enqueues y, and finally A dequeues y. This execution may violate our intuitive notion of how a FIFO queue should behave because the method call enqueuing x finishes before the method call enqueuing y starts, so y is enqueued after x. But it is dequeued before x. Nevertheless, this execution is sequentially consistent.