消费者—生产者模型多线程测试

1. 单线程  
   输入：0 1 2 3 4

目的：测试链表的基本功能、操作  
预期结果：

0

0 1

0 1 2

0 1 2 3

0 1 2 3 4

1 2 3 4

2 3 4

3 4

4

0

1 0

2 1 0

3 2 1 0

4 3 2 1 0

thiz != NULL failed.

thiz != NULL failed.

thiz != NULL failed.

thiz != NULL failed.

thiz != NULL failed.

thiz != NULL && data != NULL failed.

thiz != NULL && cmp != NULL failed.

thiz != NULL && visit != NULL failed.

实际结果：

[songzhanren@localhost src]$ gcc –g main.c locker\_pthread.c producer\_consumer.c DListNode.c –lpthrea –std= gnu99 –o test\_single\_thread.exe -Wall

0

0 1

0 1 2

0 1 2 3

0 1 2 3 4

1 2 3 4

2 3 4

3 4

4

0

1 0

2 1 0

3 2 1 0

4 3 2 1 0

thiz != NULL failed.

thiz != NULL failed.

thiz != NULL failed.

thiz != NULL failed.

thiz != NULL failed.

thiz != NULL && data != NULL failed.

thiz != NULL && cmp != NULL failed.

thiz != NULL && visit != NULL failed.

1. 多线程  
   输入：0 1 2 3 4  
   目的：测试多线程间的运行

预期结果：  
0 1 2 3 4

4 3 2 1 0 1 2 3 4

3 2 1 0 1 2 3 4

2 1 0 1 2 3 4

1 0 1 2 3 4

0 1 2 3 4

1 2 3 4

2 3 4

3 4

4

实际结果：

[songzhanren@localhost src]$ gcc –g main.c locker\_pthread.c producer\_consumer.c DListNode.c –lpthrea –std= gnu99 –o test\_multi\_thread.exe -Wall

0 1 2 3 4

4 3 2 1 0 1 2 3 4

3 2 1 0 1 2 3 4

2 1 0 1 2 3 4

1 0 1 2 3 4

0 1 2 3 4

1 2 3 4

2 3 4

3 4

4