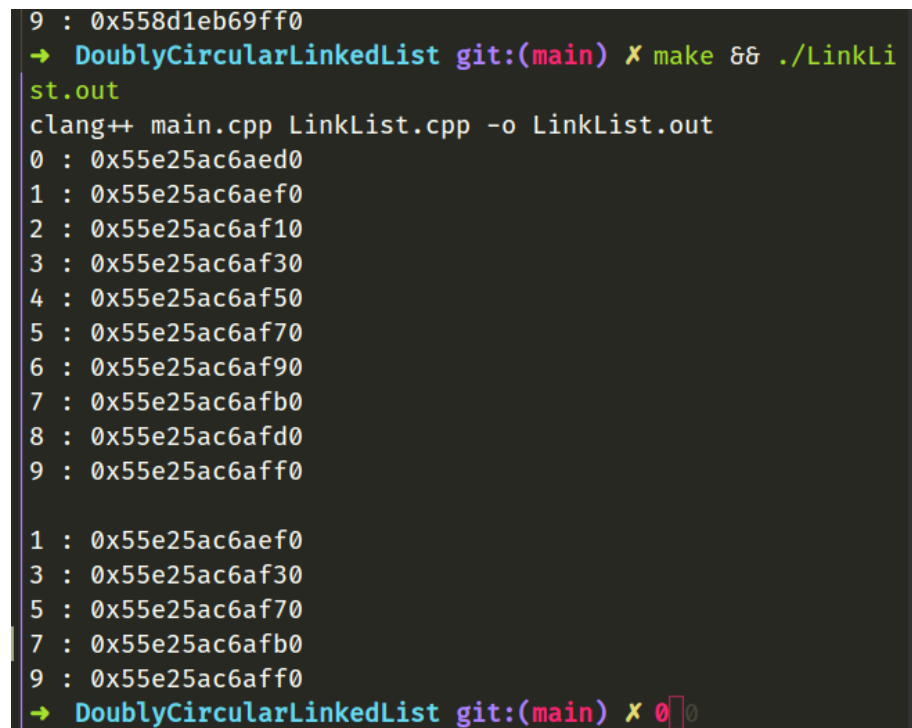# Test Report 测试报告

基础测试

插入删除

```cpp
LinkList l;
for (int i = 0; i < 10; i++)
  l.pushBack(i);
l.show();
// remove the odds
for (int i = 0; i < 10; i += 2) {
  l.erease(i);
}
cout << endl;
l.show();
return 0;
```


Figure 1: pic

插入了0~9, 删除所有偶数.

约瑟夫问题求解

最后结果:


```
10 : 0x55d5632fc4c0
27 : 0x55d5632fc6e0
31 : 0x55d5632fc760
---------------------
The No. 38will be killed: 10 : 0x55d5632fc4c0
Now remain:
7 : 0x55d5632fc460
27 : 0x55d5632fc6e0
31 : 0x55d5632fc760
---------------------
The No. 39will be killed: 27 : 0x55d5632fc6e0
Now remain:
7 : 0x55d5632fc460
31 : 0x55d5632fc760
---------------------
The No. 40will be killed: 7 : 0x55d5632fc460
Now remain:
31 : 0x55d5632fc760
---------------------
The last one: 31 : 0x55d5632fc760
→  DoublyCircularLinkedList git:(main) ✗ 
```

Figure 2: pic

完整输出:

```
--------------------
The No. 1 will be killed: 4 : 0x56147d610ed0
The No. 2 will be killed: 8 : 0x56147d611480
The No. 3 will be killed: 12 : 0x56147d611500
The No. 4 will be killed: 16 : 0x56147d611580
The No. 5 will be killed: 20 : 0x56147d611600
The No. 6 will be killed: 24 : 0x56147d611680
The No. 7 will be killed: 28 : 0x56147d611700
The No. 8 will be killed: 32 : 0x56147d611780
The No. 9 will be killed: 36 : 0x56147d611800
The No. 10 will be killed: 40 : 0x56147d611880
The No. 11 will be killed: 3 : 0x56147d610f10
The No. 12 will be killed: 9 : 0x56147d6114a0
The No. 13 will be killed: 14 : 0x56147d611540
The No. 14 will be killed: 19 : 0x56147d6115e0
The No. 15 will be killed: 25 : 0x56147d6116a0
The No. 16 will be killed: 30 : 0x56147d611740
The No. 17 will be killed: 35 : 0x56147d6117e0
The No. 18 will be killed: 41 : 0x56147d6118a0
The No. 19 will be killed: 5 : 0x56147d611420
The No. 20 will be killed: 11 : 0x56147d6114e0
The No. 21 will be killed: 18 : 0x56147d6115c0
The No. 22 will be killed: 26 : 0x56147d6116c0
The No. 23 will be killed: 33 : 0x56147d6117a0
The No. 24 will be killed: 39 : 0x56147d611860
The No. 25 will be killed: 6 : 0x56147d611440
The No. 26 will be killed: 15 : 0x56147d611560
The No. 27 will be killed: 23 : 0x56147d611660
The No. 28 will be killed: 34 : 0x56147d6117c0
The No. 29 will be killed: 2 : 0x56147d610f50
The No. 30 will be killed: 17 : 0x56147d6115a0
The No. 31 will be killed: 29 : 0x56147d611720
The No. 32 will be killed: 1 : 0x56147d610f90
The No. 33 will be killed: 21 : 0x56147d611620
The No. 34 will be killed: 37 : 0x56147d611820
The No. 35 will be killed: 13 : 0x56147d611520
The No. 36 will be killed: 38 : 0x56147d611840
The No. 37 will be killed: 22 : 0x56147d611640
The No. 38 will be killed: 10 : 0x56147d6114c0
The No. 39 will be killed: 27 : 0x56147d6116e0
The No. 40 will be killed: 7 : 0x56147d611460
The last one: 31 : 0x56147d611760
→ DoublyCircularLinkedList git:(main) ✗
                        2022-09-23   11:54   finleyLap
```

Figure 3: pic3