## 3.列表

无序列表: 析构

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```
❖ template <typename T> <u>List</u><T>::~List() //列表析构
   <u>clear()</u>; delete header; delete trailer; } //清空列表 , 释放头、尾哨兵节点
 template <typename T> int <u>List</u><T>::<u>clear()</u> { //清空列表
     int oldSize = _size;
     while ( 0 < _size ) //反复删除首节点,直至列表变空
        remove( header->succ );
                                                                              trailer
                                               header
     return oldSize;
                                                                        pred
 } //O(n),线性正比于列表规模
          SUCC
                            succ
                                                                    Succ
                                                                             trailer
header
                    first
                                                            last
            pred
                                                                      pred
                                                    pred
 若<u>remove( | header->succ | )改作remove( | trailer->pred |</u>
                                                   Data Structures & Algorithms, Tsinghua University
```