3.列表

无序列表: 析构

邓俊辉

deng@tsinghua.edu.cn

```
❖ 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
                    first
                                                                            trailer
 header
                                                            last
                                                                     pred
                                                    pred
❖ 若remove( |header->succ |)改作remove( |trailer->pred |
                                                   Data Structures & Algorithms, Tsinghua University
```