Standard Template Library

1. 容器

1.1 pair x.first x.second

1.2 vector deque list set multiset map multimap

multi-sm[set map] veld [vector ? list deque] 在无树平原上搞多人 SM☹

2. 常用容器 multi-sm veld

2.1 通用方法

x::value_type

x::iterator x::const_iterator

x::reverse_iterator x::const_reverse_iterator

=

x::begin x::end

x::rbegin x::rend

x::size x::max_size x::empty x::clear x::swap

Comparison Operators <>=

Be[begin end] common cases[x::clear x::max_size x::size x::empty x::swap] 成为常规案例

2.2 序列化容器 Sequence Containers

veld[vector deque list]

insert erase push_back pop_back front back reverse

2pb fibers[front insert back erase reverse swap] 对两个 pb 纤维排序

2.3 vector []

2.4 deque

[] push_front pop_front

deque 2pf[push_front pop_front]

2.5 list

pop_front push_front splice remove remove_if uniq merge sort

remove 2pf[push_front pop_front] sums[splice uniq merge sort] 移除两个 pf 的和

2.6 排序的关联性容器 multi-sm

set multiset map multimap

insert erase count find lower_bound upper_bound equal_range

b-lur[-bound lower upper equal_range] fiche[find insert count ? erase] 模糊的胶卷

3. 容器适配器

stack queue priority-queue

stack priority-queue 对优先队列堆栈

3.1 Stack Adaptor <vector deque list>

empty size push pop top

3.2 queue adaptor <deque list>

empty size push pop front back

3.3 priority-queue <vector deque>

empty size push pop top

bf`s[front back size] top pep[empty push pop] 男朋友的最好精力

4. 算法

4.1 查询算法 Query Algorithms

for_each mismatch equal search adjacent_find random_shuffle partition stable_partition

find count

find_if count_if

for-each stable_partition, find & count smear[search mismatch equal adjacent_find random_shuffle] 对每一个稳定的分区，查找和计数污点

4.2 变异算法 Mutating Algorithms

copy copy_backward swap_ranges transform

replace replace_copy remove remove_copy

replace_if replace_copy_if remove_if remove_copy_if

fill generate

fill_n generate_n

uniq reverse rotate

uniq_copy reverse_copy rotate_copy

*copy-backward 4uric[uniq replace remove reverse rotate -if -copy] gifts[generate * fill transform swap_ranges] 四个沾屎的礼物*

4.3 排序及其应用 Sort and Application
sort stable_sort prtial_sort partial_sort_copy nth_element

sort pens[prtial_sort nth_element nth_element stable_sort] 对笔排序

4.3.1 Binary Search
binary_search lower_bound upper_bound equal_range

blur[binary_search lower_bound upper_bound equal_range] 模糊搜索

4.3.2 Merge
merge inplace_merge
inplace-merge 在位合并

4.3.3 Functions on set
includes set_union set_intersection set_difference set_symmetric_difference

includes set-dui[堆 set_union set_intersection set_difference] 包含 set 堆

4.3.4 堆 HEAP
push_heap pop_heap make_heap sort_heap

sort-pump-heap[sort_heap push_heap make_heap pop_heap] 对泵堆排序

4.3.5 Min and Max
min max min_element max_element

max-element 最大元素

4.3.6 置换 Permutations
next_permutation prev_permutation

np-permutation NP 置换

4.4 Computational
accumulate inner_product partial_sum ajacent_difference

paid[partial_sum accumulate inner_product ajacent_difference] 已经付过钱

String

1. 容量
size length max_size resize capacity reserve clear empty shrink_to_fit;
operator[] at back front begin end;
be[begin end] bf[front back] case[clear max_size size empty swap] 变成男朋友的案例

2. 修改
operator+= append push_back assign insert erase replace swap pop_back;
length assign replace;
alarm[assign length append replace max_size] ! 2pb[push_back pop_back] fibers [front insert back erase reverse swap] 警告! 2 根 pb 光纤.

3. 字符串操作
c_str data get_allocator copy find rfind find_first_of find_last_of find_first_not_of find_last_not_of substr compare;
find-first-not-of c-str data, copy n[npos] scarfs[substr compare at rfind find swap] 找到第一个不是 c_str 的数据, 拷贝 N 条围巾

4. 非成员函数
gs[getline swap] GS 段

Fstream

1. 公开成员函数
open is_open close rdbuf operator= swap

swap rico[rdbuf is_open close open]

2. 从 istream 继承来的公开成员函数
operator>> gcount get getline ignore peek read readsome putback unget tellg seekg sync;
get read tellg seekg sync;

operator<< put write tellp seekp flush

gcount getline;
string[seekg seekp tellg tellp read ignore narrow get] pews[put eof write sync] 绳子做的长椅

3. 从 ios 继承来的公开成员函数
good eof fail bad operator! operator bool rdstate setstate clear copyfmt fill exceptions imbue tie rdbuf narrow widen