Container	Operation		
	Category	Function-like Macros Prototype	Short Description
CCXLL	Create	<pre>CCXLL ccxll (TYPE) list;</pre>	Create a ccxll container list of type TYPE with an iterator. This is implemented by a C struct to construct a list container.
		<pre>CCXLL ccxll_pckd (TYPE) list;</pre>	Create a packed ccxll container list of type TYPE with an iterator. This is implemented by an aligned C struct to construct a list container.
		<pre>CCXLL ccxll_extd (TYPE, unsigned num, ALIGN) list;</pre>	Create a ccxll container list of type TYPE with <i>num</i> iterators. The container is packed when ALIGN is PACKED. Otherwise, set NORMAL for default.
	Initialize	void ccxll_init (CCXLL);	Initialize the ccxll container. Every container must be initialized right after its creation.
		<pre>void ccxll_iter_init (ITER, CCXLL);</pre>	Initialize the iterator for the ccxll container. Every iterator is implicitly initialized when the container it belongs to is initialized.
	Destroy	<pre>stat ccxll_free (CCXLL);</pre>	Deallocate all elements in the container manually. Every container should be destroyed before the program terminates.
	Access	TYPE& ccxll_[front back] (CCXLL);	Return a reference to the first/last element. It's an undefined behavior if the container is empty.
	Capacity	<pre>int ccxll_size (CCXLL);</pre>	Return the number of the elements in the container. Return 0 if the container is empty.
		<pre>int ccxll_empty (CCXLL);</pre>	Check whether the container is empty. Return 1 if the container is empty, and return 0 if it is not.
	Modifiers	<pre>stat ccxll_push_[front back] (CCXLL, TYPE value);</pre>	Insert an element at the beginning/end. This makes a copy of <i>value</i> into the container.
		<pre>stat ccxll_pop_[front back] (CCXLL);</pre>	Remove the first/last element. There is nothing modified if the container is empty.
		<pre>stat ccxll_insert (ITER, TYPE value);</pre>	Insert an element at the position where the iterator points. This makes a copy of <i>value</i> into the container.
		<pre>stat ccxll_erase (ITER);</pre>	Erase an element at the position where the iterator points. There is nothing modified if the container is empty.
		<pre>stat ccxll_swap (CCXLL a, CCXLL b);</pre>	Swap two containers of the same type. It may cause unexpected errors if two containers are of different types.
		<pre>stat ccxll_resize (CCXLL, int num, TYPE value);</pre>	Resize the container to contain <i>num</i> elements. If the current size is smaller than <i>num</i> elements, then fills with <i>value</i> . Otherwise, it truncates.
		<pre>stat ccxll_clear (CCXLL);</pre>	Remove all elements in the container. This does not deallocate all elements in the container.
	Operations -	<pre>stat ccxll_move_range (ITER pos, ITER left, ITER right);</pre>	Move the elements in the range [left, right) to position where pos points. These three iterators should be affiliated to the same cextl container.
		<pre>stat ccxll_merge[_extd] (CCXLL dst, CCXLL src [, (*LEQ)()]);</pre>	Merge two sorted lists from src into dst. Merge with the default comparator XLEQ if _extd postfix is not specified.
		<pre>stat ccxll_sort[_extd] (CCXLL[, (*LEQ)()]);</pre>	Sort all elements in the list. Sort with the default comparator XLEQ if _extd postfix is not specified.
		<pre>stat ccxll_reverse_range (ITER left, ITER right);</pre>	Reverse the elements in the range [left, right]. This performs in constant time no matter how large the range is.
	Comparators	LEQ CCXLL_LEQ_COMPAR (ITER a , ITER b); (abbrev. XLEQ)	Compare values by passing and dereferencing two iterators for sorting algorithms. Return 1 iff the value pointed by a is not greater than the value pointed by b. Otherwise, return 0.
	Iterators	<pre>ITER ITER[_NTH] (CCXLL [, unsigned num]);</pre>	Return the <i>num</i> -th iterator of the list. Return the zero-th iterator if _NTH postfix is not specified.
		TYPE& DREF (ITER);	Return a reference to the element. It's an undefined behavior if the iterator is not (semi-)valid.
		TYPE& DREF_[PREV NEXT] (ITER);	Return a reference to the previous/next element. It's an undefined behavior if the iterator is not valid.
		<pre>void ccxll_iter_copy (ITER dst, ITER src);</pre>	Copy the iterator from <i>src</i> to <i>dst</i> . It's not acceptable to assign the iterator by assignment operator.
		<pre>void ccxll_iter_[head tail] (ITER);</pre>	Set the iterator to the head/tail of the container. The head/tail of the container is the sentinel node pointing to the first/last element.
		<pre>void ccxll_iter_[begin end] (ITER);</pre>	Set the iterator to the first/last element usually. Set the iterator to the tail/head if the container is empty.
		<pre>int ccxll_iter_at_[head tail] (ITER);</pre>	Check whether the iterator points to the head/tail of the container. Return 1 if it is true. Otherwise, return 0.
		<pre>int ccxll_iter_at_[begin end] (ITER);</pre>	Check whether the iterator points to the first/last element. Return 1 if it is true. Otherwise, return 0.
		<pre>void* ccxll_iter_[incr decr] (ITER);</pre>	Move the iterator forward/backward by one element. Return NULL iff the iterator doesn't point to any element before and after moving.
		<pre>stat ccxll_iter_advance (ITER, int diff);</pre>	Move the iterator by diff element(s). (regard forward as positive) The iterator will stop at the sentinel node if there is no element left to iterate over.
		<pre>stat ccxll_iter_distance (ITER a, ITER b, int *dist);</pre>	Return the distance between a and b through dist. Return 0 if the distance between them cannot be determined.
	Traversal	<u>loop</u> CCXLL_[INCR DECR] (ITER) <u>stat</u> ;	Traverse all elements forward/backward. This is implemented by a single for statement.
		<u>loop</u> CCXLL_[INCR DECR]_DREF (TYPE *pval, CCXLL) <u>stat</u> ;	Traverse all elements forward/backward, and set the address of each element into <i>pva1</i> . This macro will not be activated if CCC_STRICT is defined.