**<algorithm> find**

template <class InputIterator, class T>

InputIterator find (InputIterator first, InputIterator last,

const T& val);

**Find value in range**

Returns an iterator to the first element in the range [first, last) that compares equal to val. If no such element is found, the function returns last.  
  
The function uses operator== to compare the individual elements to val.

**Parameters**

first, last

Input iterators to the initial and final positions in a sequence. The range searched is [first, last), which contains all the elements between first and last, including the element pointed by first but not the element pointed by last.

val

Value to search for in the range.  
T shall be a type supporting comparisons with the elements pointed by Input iterators using operator== (with the elements as left-hand side operands, and val as right-hand side).

**Return value**

An iterator to the first element in the range that compares equal to val. If no elements match, the function returns last.