

<algorithm> find

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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.