```
/* The following code example is taken from the book
 * "The C++ Standard Library - A Tutorial and Reference, 2nd Edition"
 * by Nicolai M. Josuttis, Addison-Wesley, 2012
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 */
#include <algorithm>
#include <list>
#include <iostream>
using namespace std;
int main()
    list(int) coll:
    // insert elements from 20 to 40
    for (int i=20; i <=40; ++i) {
        coll.push_back(i);
    // find position of element with value 3
    // - there is none, so pos3 gets coll.end()
    auto pos3 = find (coll.begin(), coll.end(),
                                                       // range
    // reverse the order of elements between found element and the end
    // - because pos3 is coll.end() it reverses an empty range
    reverse (pos3, coll.end());
    // find positions of values 25 and 35
    list<int>::iterator pos25, pos35;
    pos25 = find (coll.begin(), coll.end(),
                                                // range
                   25);
                                                // value
    pos35 = find (coll.begin(), coll.end(),
                                                // range
    // print the maximum of the corresponding range
    // - note: including pos25 but excluding pos35
    cout << "max: " << *max_element (pos25, pos35) << endl;</pre>
    // process the elements including the last position
    cout << "max: " << *max_element (pos25, ++pos35) << endl;</pre>
}
```