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/* The following code example is taken from the book
 * "The C++ Standard Library – A Tutorial and Reference"
 * by Nicolai M. Josuttis, Addison-Wesley, 1999
 *
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 */
#include "alghostuff.hpp"
using namespace std;

int main()
{
    list<int> coll;

    // insert two sorted sequences
    INSERT_ELEMENTS(coll, 1, 7);
    INSERT_ELEMENTS(coll, 1, 8);
    PRINT_ELEMENTS(coll);

    // find beginning of second part (element after 7)
    list<int>::iterator pos;
    pos = find (coll.begin(), coll.end(),    // range
               7);                          // value
    ++pos;

    // merge into one sorted range
    inplace_merge (coll.begin(), pos, coll.end());

    PRINT_ELEMENTS(coll);
}

```