```cpp
/* 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 "algostuff.hpp"
using namespace std;

int main()
{
    list<int> coll1;
    set<int> coll2;

    // fill both collections with some sorted elements
    INSERT_ELEMENTS(coll1, 1, 6);
    INSERT_ELEMENTS(coll2, 3, 8);

    PRINT_ELEMENTS(coll1,"coll1:  ");
    PRINT_ELEMENTS(coll2,"coll2:  ");

    // print merged sequence
    cout << "merged: ";
    merge (coll1.begin(), coll1.end(),
           coll2.begin(), coll2.end(),
           ostream_iterator<int>(cout," "));
    cout << endl;
}
```