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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()
{
    deque<int> coll;

    INSERT_ELEMENTS(coll, 1, 9);
    INSERT_ELEMENTS(coll, 1, 9);

    PRINT_ELEMENTS(coll, "on entry: ");

    // sort elements
    sort (coll.begin(), coll.end());

    PRINT_ELEMENTS(coll, "sorted:  ");

    // sorted reverse
    sort (coll.begin(), coll.end(),    // range
          greater<int>());             // sorting criterion

    PRINT_ELEMENTS(coll, "sorted >: ");
}

```