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/* 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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 * warranty, and with no claim as to its suitability for any purpose.
#include "algostuff.hpp"
using namespace std;
int main()
    // initialize source collection with ".....abcdef....."
    vector<char> source(10,'.');
for (int c='a'; c<='f'; c++) {</pre>
          source. push back(c);
    source.insert(source.end(),10,'.');
PRINT_ELEMENTS(source, "source: ");
    // copy all letters three elements in front of the 'a'
     vector < char > c1 (source. cbegin (), source. cend ());
    copy (c1. cbegin() + 10, c1. cbegin() + 16,
                                                                // source range
            c1.begin()+7);
                                                                // destination range
    PRINT ELEMENTS (c1, "c1:
    // copy all letters three elements behind the 'f'
    vector<char> c2(source.cbegin(), source.cend());
    copy backward (c2. cbegin() +10, c2. cbegin() +16,
                                                                // source range
                       c2. begin()+19);
                                                                // destination range
    PRINT ELEMENTS (c2, "c2:
}
```