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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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 * warranty, and with no claim as to its suitability for any purpose.
 */
#include "alghostuff.hpp"
using namespace std;

int main()
{
    vector<int> coll;

    INSERT_ELEMENTS(coll,1,6);
    PRINT_ELEMENTS(coll);

    // print all partial sums
    partial_sum (coll.begin(), coll.end(),           // source range
                 ostream_iterator<int>(cout," "),    // destination
                 cout << endl;

    // print all partial products
    partial_sum (coll.begin(), coll.end(),           // source range
                 ostream_iterator<int>(cout," "),    // destination
                 multiplies<int>());                 // operation
    cout << endl;
}

```