```
/* 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.
#ifndef ALGOSTUFF HPP
#define ALGOSTUFF HPP
#include <iostream>
#include <vector>
#include <deque>
#include <list>
#include <set>
#include <map>
#include <string>
#include <algorithm>
#include <iterator>
#include <functional>
#include <numeric>
/* PRINT ELEMENTS()
 * - prints optional C-string optcstr followed by
 * - all elements of the collection coll
 * - separated by spaces
template <class T>
inline void PRINT_ELEMENTS (const T& coll, const char* optcstr="")
    typename T::const iterator pos;
    std::cout << optcstr;</pre>
    for (pos=coll.begin(); pos!=coll.end(); ++pos) {
    std::cout << *pos << ' ';</pre>
    std::cout << std::endl;
}
/* INSERT ELEMENTS (collection, first, last)
 * - fill values from first to last into the collection
 * - NOTE: NO half-open range
 */
template <class T>
inline void INSERT ELEMENTS (T& coll, int first, int last)
    for (int i=first; i<=last; ++i) {
        coll. insert (coll. end(), i);
#endif /*ALGOSTUFF HPP*/
```