```
/* 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()
    vector<int> coll1 = { 1, 2, 3, 4, 5, 6 };
list<int> coll2 = { 1, 2, 4, 8, 16, 3 };
    PRINT_ELEMENTS(coll1, "coll1: ");
PRINT_ELEMENTS(coll2, "coll2: ");
    // find first mismatch
    auto values = mismatch (coll1.cbegin(), coll1.cend(), // first range
                                  coll2.cbegin());
                                                                       // second range
     if (values. first == coll1. end())
         cout << "no mismatch" << endl;</pre>
    else {
         << *values.second << endl;</pre>
    // find first position where the element of coll1 is not
    // less than the corresponding element of coll2
    values = mismatch (coll1.cbegin(), coll1.cend(),
                                                                       // first range
                                                                       // second range
                           coll2.cbegin(),
                           less equal(int)());
                                                                       // criterion
    if (values. first == col \overline{11}. end()) {
         cout << "always less-or-equal" << endl;</pre>
    else {
         cout << "not less-or-equal: "</pre>
               << *values.first << " and "</pre>
               << *values.second << endl:</pre>
}
```