

```

/* 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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 */
#include <forward_list>
#include "print.hpp"
using namespace std;

int main()
{
    forward_list<int> l1 = { 1, 2, 3, 4, 5 };
    forward_list<int> l2 = { 97, 98, 99 };

    // find 3 in l1
    auto pos1=l1.before_begin();
    for (auto pb1=l1.begin(); pb1 != l1.end(); ++pb1, ++pos1) {
        if (*pb1 == 3) {
            break; // found
        }
    }

    // find 99 in l2
    auto pos2=l2.before_begin();
    for (auto pb2=l2.begin(); pb2 != l2.end(); ++pb2, ++pos2) {
        if (*pb2 == 99) {
            break; // found
        }
    }

    // splice 3 from l1 to l2 before 99
    l1.splice_after(pos2, l2, // destination
                   pos1);    // source

    PRINT_ELEMENTS(l1, "l1: ");
    PRINT_ELEMENTS(l2, "l2: ");
}

```