```cpp
/* 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> list = { 1, 2, 3, 4, 5, 97, 98, 99 };

    // find the position before the first even element
    auto posBefore = list.before_begin();
    for (auto pos=list.begin(); pos!=list.end(); ++pos, ++posBefore) {
        if (*pos % 2 == 0) {
            break;  // element found
        }
    }

    // and insert a new element in front of the first even element
    list.insert_after(posBefore,42);
    PRINT_ELEMENTS(list);
}
```