```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 "algostuff.hpp"
using namespace std;

int main()
{
    set<int> coll;

    INSERT_ELEMENTS(coll,1,9);
    PRINT_ELEMENTS(coll);

    // print elements rotated one element to the left
    set<int>::const_iterator pos = next(coll.cbegin());
    rotate_copy(coll.cbegin(),                    // beginning of source
            pos,                                  // new first element
            coll.cend(),                          // end of source
            ostream_iterator<int>(cout," ")); // destination
    cout << endl;

    // print elements rotated two elements to the right
    pos = coll.cend();
    advance(pos,-2);
    rotate_copy(coll.cbegin(),                    // beginning of source
            pos,                                  // new first element
            coll.cend(),                          // end of source
            ostream_iterator<int>(cout," ")); // destination
    cout << endl;

    // print elements rotated so that element with value 4 is the beginning
    rotate_copy(coll.cbegin(),                    // beginning of source
            coll.find(4),                         // new first element
            coll.cend(),                          // end of source
            ostream_iterator<int>(cout," ")); // destination
    cout << endl;
}
```