```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()
{
    vector<int> coll;

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

    // rotate one element to the left
    rotate (coll.begin(),       // beginning of range
            coll.begin() + 1,   // new first element
            coll.end());        // end of range
    PRINT_ELEMENTS(coll,"one left:  ");

    // rotate two elements to the right
    rotate (coll.begin(),       // beginning of range
            coll.end() - 2,     // new first element
            coll.end());        // end of range
    PRINT_ELEMENTS(coll,"two right: ");

    // rotate so that element with value 4 is the beginning
    rotate (coll.begin(),                       // beginning of range
            find(coll.begin(),coll.end(),4),    // new first element
            coll.end());                        // end of range
    PRINT_ELEMENTS(coll,"4 first:   ");
}
```