

```
1  #include <iostream>
2  #include <algorithm>
3  #include <list>
4  #include <iterator>
5  using namespace std;
6  /*
7   *
8   */
9  int main(int argc, char** argv)
10 {
11     list<int> l;
12     for (int i = 0; i < 5; i++)
13         l.push_back(i);
14     for(list<int>::iterator i = l.begin(); i!=l.end();i++ )
15     {
16         cout<<*i<<" ";
17     }
18     cout<<endl;
19     //0 1 2 3 4
20     list<int>::iterator i = find(l.begin(), l.end(),2);
21     l.pop_front(); //Удаление первого
22     for(list<int>::iterator i = l.begin(); i!=l.end();i++ )
23     {
24         cout<<*i<<" ";
25     }
26     cout<<endl;
27     l.insert(i,8);
28     copy(l.begin(),l.end(), ostream_iterator<int> (cout," "));
29     //1 8 2 3 4
30     l.sort();
31     copy(l.begin(),l.end(), ostream_iterator<int> (cout," "));
32     //1 2 3 4 8
33     //system("pause");
34     return 0;
35 }
```