

```
1 #include <iostream>
2 #include <string>
3 #include <list>
4
5 using namespace std;
6
7 template <typename T>
8 void elimina_elemento(list<T> &l, const T &elem)
9 {
10     typename list<T>::iterator p = l.begin();
11     while (p != l.end())
12     {
13         if (*p == elem)
14             p = l.erase(p);
15         else
16             p++;
17     }
18 }
19
20 template <typename T>
21 void mostrar_lista(const list<T> &l)
22 {
23     typename list<T>::const_iterator p;
24     for(p=l.begin();p!=l.end();p++)
25     {
26         cout << *p << " ";
27     }
28     cout << endl;
29 }
30
31 int main()
32 {
33     list<int> aux;
34     aux.push_back(2);
35     aux.push_back(1);
36     aux.push_back(1);
37     aux.push_back(1);
38     aux.push_back(1);
39     aux.push_back(5);
40     aux.push_back(3);
41     mostrar_lista(aux);
42     elimina_elemento(aux,1);
43     mostrar_lista(aux);
44
45 }
```