

```
1 #include <iostream>
2 #include <string>
3 #include <list>
4
5 using namespace std;
6
7 template <typename T>
8 void elimina_duplicados(list<T> &l)
9 {
10     typename list<T>::iterator p;
11     typename list<T>::iterator q;
12     for(p=l.begin();p!=l.end();p++)
13     {
14         q=p;
15         q++;
16         while(q!=l.end())
17         {
18             if(*p==*q)
19             {
20                 q=l.erase(q);
21             }
22             else
23             {
24                 q++;
25             }
26         }
27     }
28 }
29
30 template <typename T>
31 void mostrar_lista(const list<T> &l)
32 {
33     typename list<T>::const_iterator p;
34     for (p = l.begin(); p != l.end(); p++)
35     {
36         cout << *p << " ";
37     }
38     cout << endl;
39 }
40
41 int main()
42 {
43     list<int> aux;
44     aux.push_back(2);
45     aux.push_back(1);
46     aux.push_back(1);
47     aux.push_back(1);
48     aux.push_back(1);
49     aux.push_back(5);
50     aux.push_back(3);
51     mostrar_lista(aux);
52     elimina_duplicados(aux);
53     mostrar_lista(aux);
54 }
```