Grupo 13 - Laboratorio 3

Estudiantes:

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Fichero 2020_02_13/C40/2-C02-1/2339_AC/Prc2.cut.cpp
```

```
/*@ <answer>
* Comienza poniendo el nonmbre de los/as componentes del grupo:
  Estudiante 1:
* Estudiante 2:
*@ </answer> */
*@ <answer>
using namespace std;
// coste o(n + m) respecto al tamao de las 2 listas
                  O(n+m) donde n es la longritud de 11 y m la longritud de 12
IGNACIO PALLS GOZLVEZ
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void ListLinkedSingle::merge(ListLinkedSingle &other) {
  // ...
 Node* aux:
 Node* current = this->head;
 Node* current2 = other.head;
  if (current && current2) {
   if (current->value <= current2->value) {
   - current
-aux = this->head;
}
     current = current->next;
   else {
     this->head = current2;
     current2 = current2->next;
     this->head->next = current; have follow
     aux = this->head;
     other.head = current2;
   while (current2 && current) {
     if (current->value <= current2->value) {
       aux->next = current;
       aux = current;
```

```
current = aux->next;
      }
      else {
        aux->next = current2;
        aux = current2;
        current2 = aux->next;
     }
    }
    if (current2 == nullptr) {
     aux->next = current;
    }
    else if (current == nullptr) {
     aux->next = current2;
    }
  else if (current == nullptr && current2 != nullptr) {
    this->head = other.head;
  }
 other.head = nullptr;
}
ListLinkedSingle merge_lists(const ListLinkedSingle &11, const ListLinkedSingle &12) {
 // ...
}*/
void tratar_caso() {
  int dato;
  ListLinkedSingle 11;
 ListLinkedSingle 12;
  cin >> dato;
  while (dato != 0) {
    11.push_back(dato);
    cin >> dato;
  cin >> dato;
  while (dato != 0) {
    12.push_back(dato);
    cin >> dato;
  11.merge(12);
  11.display();
  cout << endl ;</pre>
}
int main() {
  int num_casos;
/*
```

```
#ifndef DOMJUDGE
 std::ifstream in("sample.in");
 auto cinbuf = std::cin.rdbuf(in.rdbuf());
#endif*/
 cin >> num_casos;
 while (num_casos > 0) {
   tratar_caso();
   num_casos--;
  }
/*
#ifndef DOMJUDGE
 std::cin.rdbuf(cinbuf);
 // Descomentar si se trabaja en Visual Studio
   system("PAUSE");
#endif*/
 return 0;
}
```