

```

public class Listas {
    private int elem[];
    private int cant;
    private int max;
    public Listas(int max){
        this.max = max;
        this.cant = 0;
        this.elem = new int[max];
    }
    public int getele(int i){
        return elem[i];
    }
    public void insertarlesimo(int x, int i){
        int k = this.cant-1;
        while (k>=i){
            this.elem[k+1]=this.elem[k];
            k=k+1;
        }
        this.elem[i]=x;
        this.cant++;
    }

    public void insertarPrim(int x){
        insertarlesimo(x,0);
    }

    public void insertarUlt(int x){
        insertarlesimo(x, this.cant);
    }

    public void eliminarlesimo(int i){

```

```
int k=i+1;
while (k<this.cant){
    this.elem[k-1]=this.elem[k];
    k=k+1;
}
this.cant--;
}
```

```
public void eliminarPrim(){
    eliminarlesimo(0);
}
```

```
public void eliminarUlt(){
    eliminarlesimo(this.cant);
}
```

```
public void eliminarTodo(int x){
    for (int i=0;i<cant;i++){
        if(elem[i]==x){
            eliminarlesimo(i);
        }
    }
}
```

```
public void eliminarPares(){
    for (int i=0;i<cant;i++){
        if((elem[i] % 2)==0){
            eliminarlesimo(i);
        }
    }
}
```

```

public void eliminarUnicos(){
    for (int i=0;i<cant;i++){
        if(!repetido(elem[i])){
            eliminarlesimo(i);
        }
    }
}

```

```

public boolean repetido (int x){
    int c=0;
    for (int i=0;i<cant;i++){
        if(elem[i]==x) c++;
    }
    return c>1;
}

```

```

public void eliminarTodo(Listas L2){
    for (int i=0;i<this.cant;i++){
        if(contiene(L2,elem[i])){
            eliminarlesimo(i);
        }
    }
}

public boolean contiene(Listas L2,int x){
    for (int i=0;i<L2.cant;i++){
        if(L2.getele(i)==x){
            return true;
        }
    }
    return false;
}

```

