

```

1  #include "tp0.h"
2  /* *****
3      *                      FUNCIONES A COMPLETAR                      *
4      *      (ver en tp0.h la documentación de cada función)      *
5      * *****
6  void swap (int *x, int *y) {
7      int aux;
8
9      aux = *x;
10     *x  = *y;
11     *y  = aux;
12 }
13
14
15 int maximo(int vector[], int n) {
16     if(n == 0) return -1;
17
18     int max_pos = 0;
19
20     for(int i = 0, max = vector[i]; i < n; i++){
21         if(vector[i] > max){
22             max      = vector[i];
23             max_pos = i;
24         }
25     }
26
27     return max_pos;
28 }
29
30 int comparar(int vector1[], int n1, int vector2[], int n2) {
31     int i;
32
33     for(i = 0; i < n1 && i < n2; i++){
34         if(vector1[i] == vector2[i])
35             continue;
36         else
37             return vector1[i] > vector2[i] ? 1:-1;
38     }
39
40     if(n1 == n2)
41         return 0;
42     else
43         return i == n1 ? -1:1;
44 }
45
46 void seleccion(int vector[], int n) {
47     for(int i = n - 1; i >= 0;i--){
48         swap(&vector[i],&vector[maximo(vector,i+1)]);
49     }

```

50 }

51