16/03/15

# Algoritmos de Ordenamiento.

BUBBLE SORT:

For i = 1:n;

Swapped = falase

For j = i+1:n;

` if a[j]<a[j-1];

Swap a[j, j-1];

swapped= true

Break if not swapped

End NO HACER CASO

A LOS CODIGOS

SELECTION SORT:

For l = left .. right- , repeat;

Set p such that a[p] is the least of a[l .. right];

If p != l;

Swap(a[p],a[l]);

terminate

INSERTION SORT:

For r = left+1 .. right, repeat:

Set val = a[r];

Insert val into a[left .. r] in such a way that the subrray is sorted

Terminate;

MERGE SORT:

If left<right

Let m be an interger about midway

Sort a[left, m]

Sort a[m+1, right]

Merge both into auxiliary array b

Copy all elements of b into a

Terminate

SQUICK SORT:

If left < right

Partition a[left .. right] such that

A[left .. p-1] <= a[p] and

A[p+1 .. right] >=a[p]

Sort a[left .. p-1]

Sort a[p+1 .. right]

terminate