Bubble Sort

The following diagram presents the flow of bubble sort algorithm.

Bubble sort has time complexity of O(n^2)

Diagram assumes that the language uses zero based arrays

Start
(T[] coll,
Func<T,T,int>
comparer)

i = 1;

i < coll.Length

—No→ Collection is sorted
return coll;

no

yes

j = coll.Length - 1

j <= i

No

yes

Comparer
(coll[j -1], coll[j])
> 0

Yes

Swap j -1 with j