

Insertion Sort with Sentinel

```
A[0] ← -∞  
for i = 2 to n do  
    t ← A[i]  
    j ← i-1  
    while t < A[j] do  
        A[j+1] ← A[j]  
        j ← j-1  
    end while  
    A[j+1] ← t  
end for
```

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for i = 2 to n do  
    t ← A[i]  
    j ← i-1  
    while t < A[j] do  
        A[j+1] ← A[j]  
        j ← j-1  
    end while  
    A[j+1] ← t  
end for
```

Insertion Sort (without sentinel)

```
for i = 2 to n do
    t ← A[i]
    j ← i-1
    while j>0 and A[j]>t do
        A[j+1] ← A[j]
        j ← j-1
    end while
    A[j+1] ← t
end for
```

```
for i = 2 to n do
    t ← A[i]
    j ← i-1
    while j>0 and A[j]>t do
        A[j+1] ← A[j]
        j ← j-1
    end while
    A[j+1] ← t
end for
```