algorithm INSERTIONSORT(A)
    require Feld $A[1...n]$ enthält $a_1, ..., a_n$
    for $j = 2$ **to** n **do**
        $s = A[j]$
        ▷ *Füge $A[j]$ in die sortierte Liste $A[1...j-1]$ ein*
        $i = j - 1$
        while $i > 0$ **and** $A[i] > s$ **do**
            $A[i+1] = A[i]$
            $i = i - 1$
        end while
        $A[i+1] = s$
    end for
end algorithm