**INSERTION SORT**

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| --- | --- |
| **def insert\_sort(A, n):** | **INSERTION-SORT(A, n, k)** |
| for i in range(1, len(A)):  key = A[i]  j = i -1  while j >= 0 and A[j] > key:  A[j+1] = A[j]  j = j-1  A[j+1] = key | for i = 2 downto n  key = A[i]  j = i -1  while j > 0 and A[j] > key  A[j+1] = A[j]  j = j – 1  A[j+1] = key |