

**L<sup>A</sup>T<sub>E</sub>X Example: Pseudocode for insertion sort**

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INSERTION-SORT( $A$ )

```
1: for  $j = 2$  to  $A.length$  do  
2:    $key = A[j]$   
3:    $i = j - 1$   
4:   while  $i > 0$  and  $A[i] > key$  do  
5:      $A[i + 1] = A[i]$   
6:      $i = i - 1$   
7:    $A[i + 1] = key$ 
```

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