

INSERTION-SORT(A, n)	<i>cost</i>	<i>times</i>
for $j = 2$ to n	c_1	n
$key = A[j]$	c_2	$n - 1$
// Insert $A[j]$ into the sorted sequence $A[1 \dots j - 1]$.	0	$n - 1$
$i = j - 1$	c_4	$n - 1$
while $i > 0$ and $A[i] > key$	c_5	$\sum_{j=2}^n t_j$
$A[i + 1] = A[i]$	c_6	$\sum_{j=2}^n (t_j - 1)$
$i = i - 1$	c_7	$\sum_{j=2}^n (t_j - 1)$
$A[i + 1] = key$	c_8	$n - 1$