

INSERTION-SORT(A, n)		Cost	Iterations
1	for $i = 2$ to n		
2	$key = A[i]$		
3	// Insert $A[i]$ into the sorted sequence $A[1:i-1]$		
4	$j = i - 1$		
5	while $j > 0$ and $A[j] > key$		
6	$A[j+1] = A[j]$		
7	$j = j - 1$		
8	$A[j+1] = key$		