Algorithm 1 InsertionSort(A)	cost	times
1: **for** i = 2 to A.length **do**	c_1	n
2: k = A[i]	c_2	$(n-1)$
3: j = i - 1	c_3	$(n-1)$
4: **while** j > 0 AND k > A[j] **do**	c_4	$\frac{n(n+1)}{2} - 1$
5: A[j + 1] = A[j]	c_5	$\frac{n(n-1)}{2}$
6: j = j - 1	c_6	$\frac{n(n-1)}{2}$
7: **end while**		
8: A[j + 1] = k	c_7	$(n-1)$
9: **end for**		