Insertion-Sort/Execution-Counter Worksheet

Assume array A is indexed from 1 to n.

```
INSERTION_SORT(A, n)
1. for j \leftarrow 2 to n do
2. key \leftarrow A[j]
3. i \leftarrow j - 1;
```

4. while i > 0 and A[i] > key do 5. $A[i+1] \leftarrow A[i]$

6. $i \leftarrow i - 1$ 7. $A[i+1] \leftarrow key$

Instance 1 : [4, 3, 2, 1]Instance 2 : [1, 4, 2, 3]Instance 3 : [5, 4, 3, 2, 1]Instance 4: Make up your own

	# Times Executed			
Line No	Instance 1	Instance 2	Instance 3	Instance 4
L1				
L2				
L3				
L4				
L5				
L6				
L7				
Total				

List any observations.