

```

TEST-ALGO( $A, B$ )
  for  $j \leftarrow 2$  to  $A.length$ 
    // Insert  $A[j]$  into  $A[1 \dots j-1]$ 
     $key \leftarrow A[j]$ 
     $i \leftarrow j - 1$ 
    while  $i > 0$  and  $A[i] > key$ 
       $A[i+1] \leftarrow A[i]$ 
       $i \leftarrow i - 1$ 

     $A[i+1] \leftarrow key$ 

  if  $x === 3$ 
    Do nothing

```