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## Insertion into a sorted table

P98179\_en

Write a procedure that, supposing that all the positions of  $@v@$ , except maybe the last one, are in non-decreasing order, leaves  $@v@$  totally in non-decreasing order.

For instance, if  $@v@$  is  $\langle 2, 4, 7, 7, 8, 9, 5 \rangle$ , it must become  $\langle 2, 4, 5, 7, 7, 8, 9 \rangle$ .

### Interface

C++	<code>void insert (vector&lt;double&gt;&amp; v);</code>
C	<code>void insert (int n, double v[n]);</code>
Java	<code>public static void insert (double[] v);</code>
Python	<code>insert (v) # returns None</code>
MyPy	<code>insert (v: list [ float ]) -&gt; None</code>

### Precondition

We have  $|v| \geq 1$ . Moreover, the positions 0 to  $|v| - 2$  of  $@v@$  are in non-decreasing order.

### Observation

You only need to submit the required procedure; your main program will be ignored.

### Problem information

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