
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<double>& 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]) -> 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

Author: Jordi Petit

Translator: Carlos Molina

Generation: 2026-01-25T12:16:27.779Z

© Jutge.org, 2006–2026.

<https://jutge.org>