Write a procedure that sorts $v$ in non-decreasing order using the insertion sort algorithm.

**Interface**

- **C++**
  ```cpp
  void insertion_sort (vector<double>& v);
  ```
- **C**
  ```c
  void insertion_sort (int n, double v[n]);
  ```
- **Java**
  ```java
  public static void insertionSort (double[] v);
  ```
- **Python**
  ```python
  insertion_sort (v)  # returns None
  ```
- **MyPy**
  ```python
  insertion_sort (v: list [float]) → None
  ```

**Observation**

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

**Problem information**

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Generation: 2023-07-14 18:00:03

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