
Selection sort

P81602_en

Write a procedure

```
void (vector<double>& v, int m);
```

that recursively sorts v $[0..m]$ in non-decreasing order using the selection sort algorithm. The rest of v must not be modified.

Interface

```
C++    void selection_sort (vector<double>& v, int m);
C      void selection_sort (double v[], int m);
Java   public static void selectionSort (double[] v, int m);
Python selection_sort (v, m) # returns None
       selection_sort (v: list, m: int) → None
```

Precondition

$-1 \leq m < v.size()$.

Observation

The function *position_maximum()* of the exercise P29094: “Position of the maximum” should be useful.

Observation

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

Problem information

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