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## Selection sort

P81602\_en

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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 should be useful.

### Observation

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

### Problem information

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