
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 <i>selection_sort</i> (vector < double >& <i>v</i> , int <i>m</i>);
C	void <i>selection_sort</i> (double <i>v</i> [], int <i>m</i>);
Java	public static void <i>selectionSort</i> (double [] <i>v</i> , int <i>m</i>);
Python	<i>selection_sort</i> (<i>v</i> , <i>m</i>) # returns None <i>selection_sort</i> (<i>v</i> : list, <i>m</i> : 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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Generation : 2025-05-13 12:00:35

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