Selection Sort

The algorithm

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Selection sort

Selection sort is a simple algorithm to sort all the elements in an array in increasing order.

Input Array A of length n

Output The same array A sorted in place.

```
1  for out_idx := 1 to n−1
2     for in_idx := out_idx+1 to n
3        if A[out_idx] > A[in_idx]
4           swap A[out_idx] with A[in_idx]
```