Selectionsort

Computational effort

Best Case	Average Case	Worst Case
$O(n^2)$	$O(n^2)$	$O(n^2)$

WORST CASE: -

BEST CASE: -

The computational effort is always in $O(n^2)$. Therefore this algorithm is only relevant for teaching and learning purposes and should not be applied in practical applications.

Pseudocode

Selectionsort

```
begin
  for i := 1 to n - 1 do
    begin
      min := i;
      for j := i + 1 to n do
        if a[j].key < a[min].key
        then min := j;
      t:= a[min]; a[min]:= [i]; a[i] := t;
    end
end
```