4 Tabellen, Code und Formeln

Verfahren	bester Fall	mittlerer Fall	schlechtester Fall
Selection Sort	$\mathcal{O}(n^2)$	$\mathcal{O}(n^2)$	$\mathcal{O}(n^2)$
Quicksort	$\mathcal{O}(n \log n)$	$\mathcal{O}(n \log n)$	$\mathcal{O}(n^2)$

```python
def bubble_sort(field):
    for sweep in range(len(field) - 1):
        for pos in range(len(field) - sweep - 1):
            if field[pos] > field[pos + 1]:
                field[pos], field[pos + 1] = field[pos + 1], field[pos]
    return field
```

```pascal
procedure BubbleSort(var field: array of Integer);
var sweep, pos, temp: Integer;
begin
  for sweep := 0 to High(field) - 1 do
    for pos := 0 to High(field) - sweep - 1 do
      if field[pos] > field[pos + 1] then
      begin
        temp := field[pos];
        field[pos] := field[pos + 1];
        field[pos + 1] := temp;
      end;
end;
```

$$c = (m + k) \bmod 26$$

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