```
procedure qsort(l, r: index);
var i,j: index; x, w: item
begin
   i := l; j := r;
   x := a[(l + r) div 2];
   repeat
      while a[i] < x do i := i + 1;
      while x < a[j] do j := j - 1;
      if i <= j then
      begin w := a[i]; a[i] := a[j]; a[j] := w;
         i := i + 1; j := j - 1
      end
   until i > j;
   if l < j then qsort(l, j);
   if i < r then qsort(i, r);
end
```

```
qsort []     = []
qsort (x:xs) =    qsort (filter (< x)  xs)
                ++ [x]
                ++ qsort (filter (>= x) xs)
```

- lesbar
- weniger Fehlerquellen
  (Reihenfolge, Initialisierung, Abbruchbedingung)
- zuverlässiger