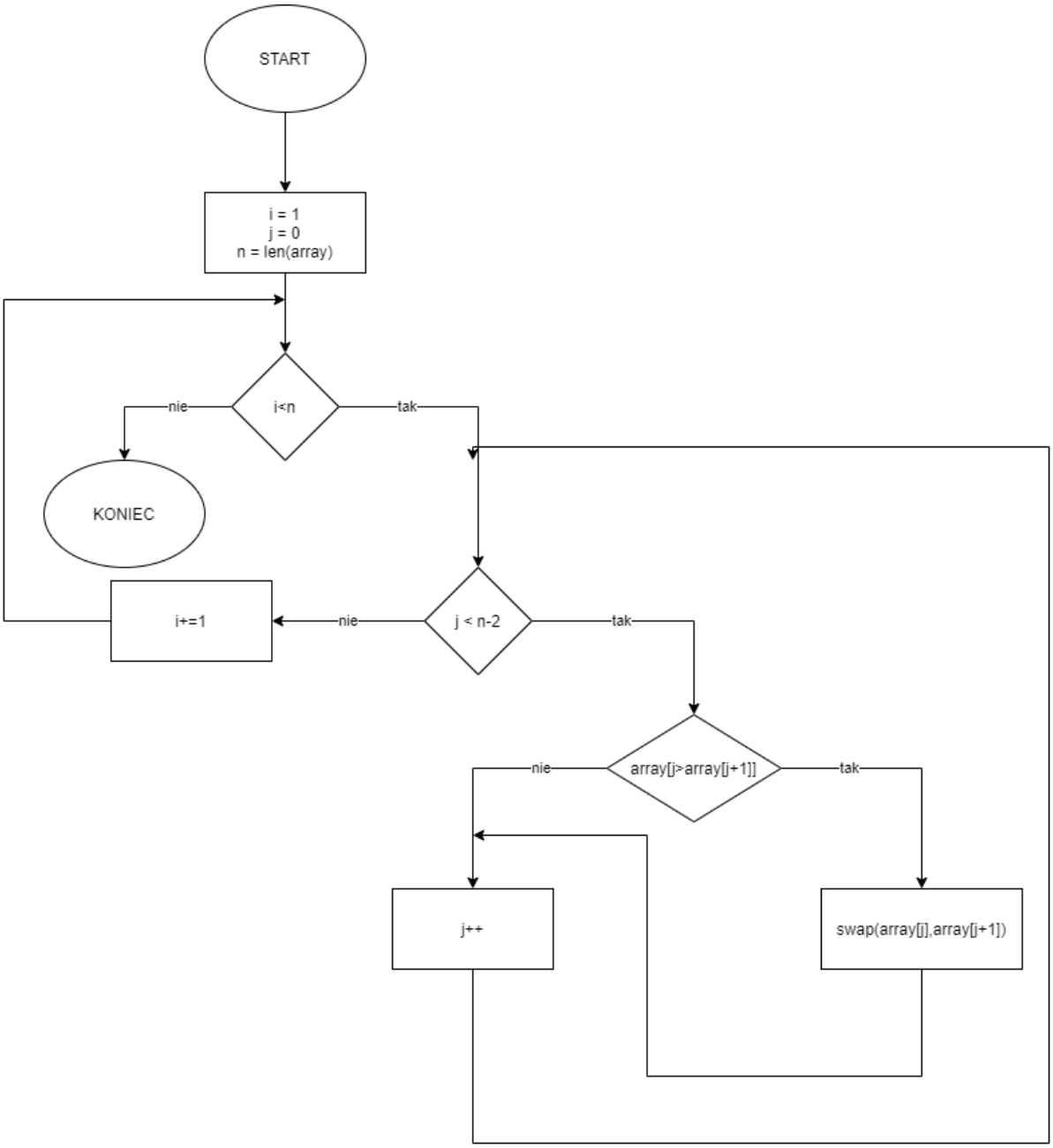
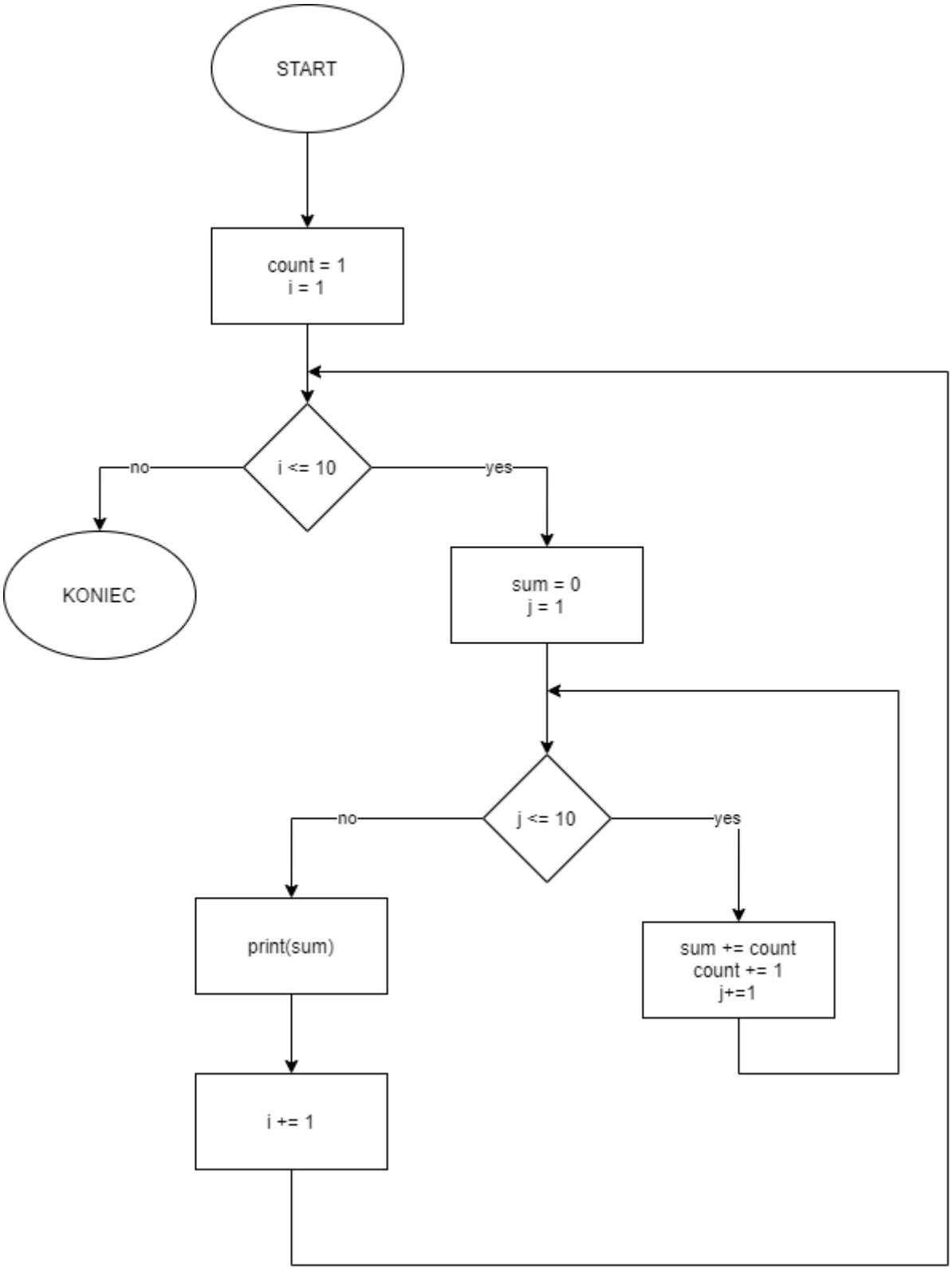
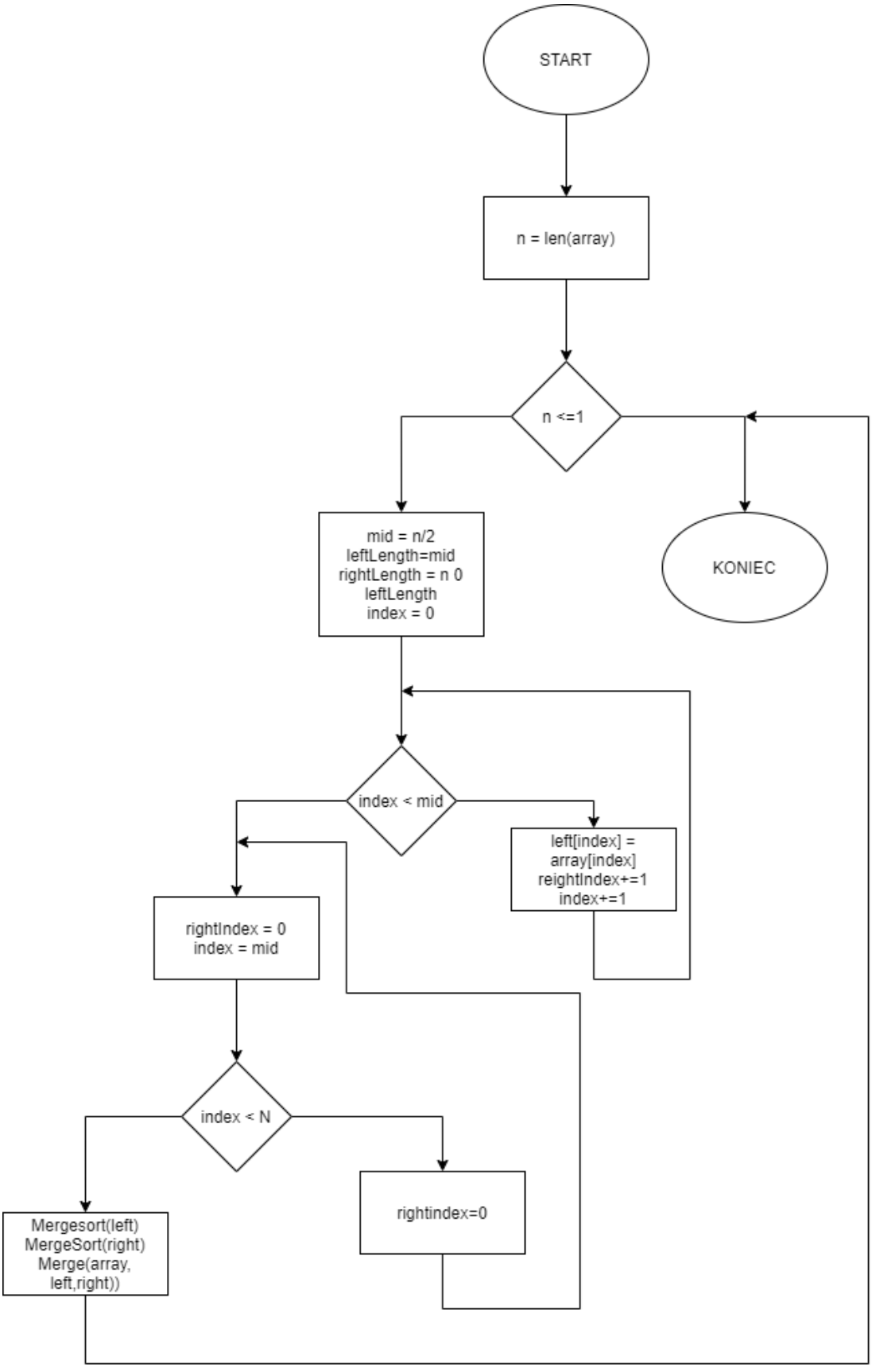
Bubble


START
i = 1
j = 0
n = len(array)
i<n
nie
tak
KONIEC
i+=1
nie
j < n-2
tak
array[j>array[j+1]]
nie
tak
j++
swap(array[j],array[j+1])

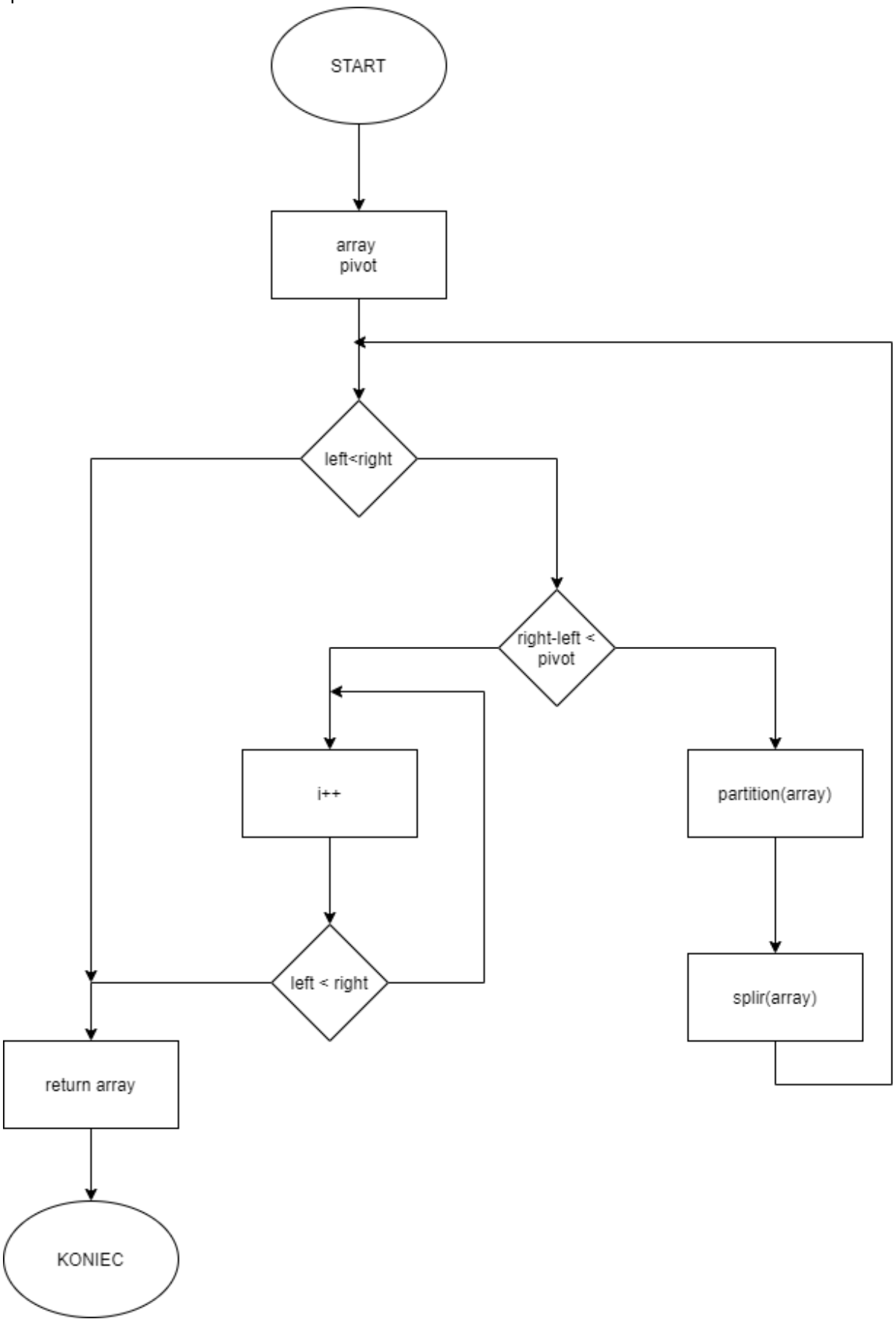
Counting


START
count = 1
i = 1
i <= 10
no
yes
KONIEC
sum = 0
j = 1
j <= 10
no
yes
print(sum)
sum += count
count += 1
j+=1
i += 1

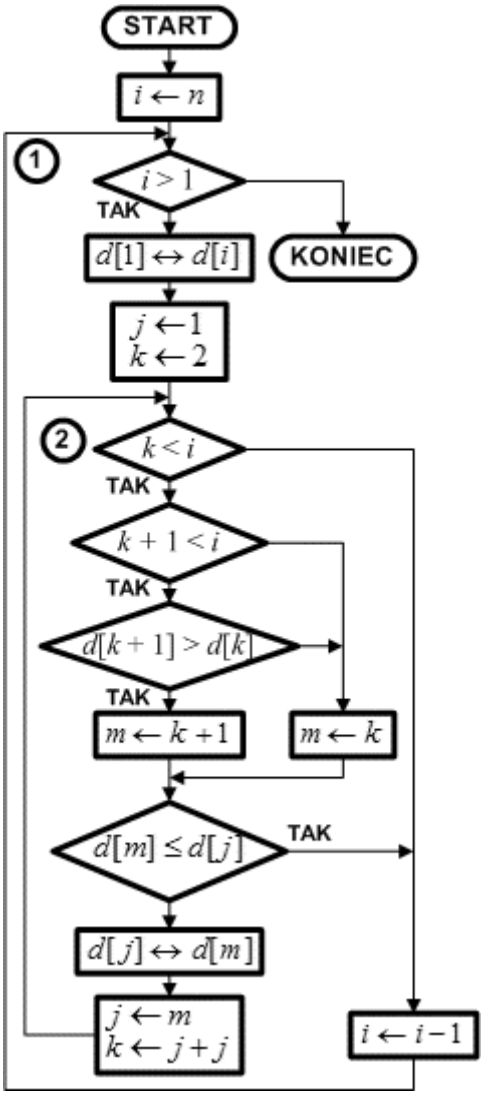
Merge


START
n = len(array)
n <=1
KONIEC
mid = n/2
leftLength=mid
rightLength = n 0
leftLength
index = 0
index < mid
left[index] =
array[index]
reightIndex+=1
index+=1
rightIndex = 0
index = mid
index < N
rightindex=0
Mergesort(left)
MergeSort(right)
Merge(array,
left,right))

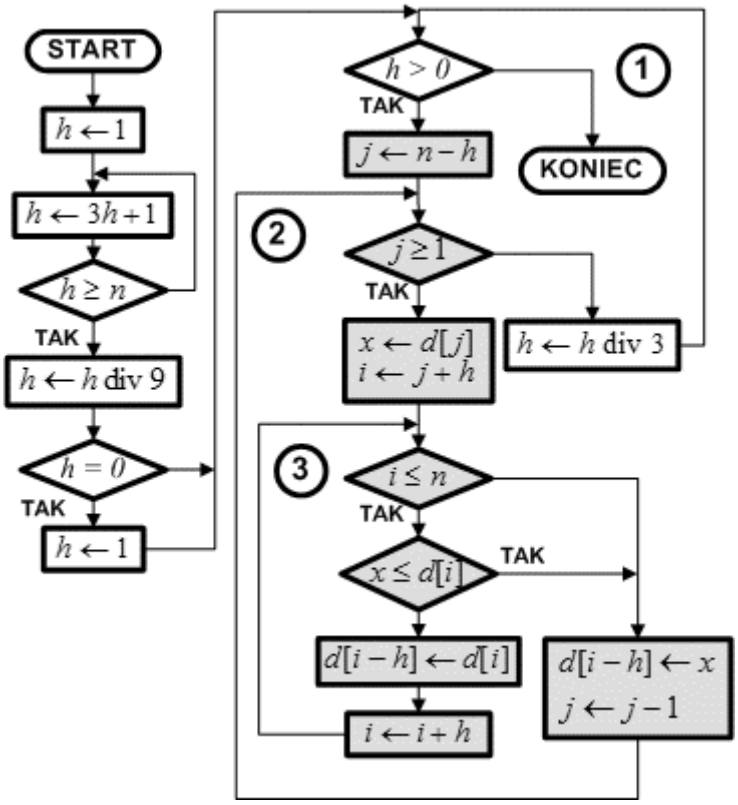
quicksort


START
array
pivot
left<right
right-left <
pivot
i++
partition(array)
left < right
splir(array)
return array
KONIEC

heap


START
$i \leftarrow n$
1
$i > 1$
TAK
KONIEC
$d[1] \leftrightarrow d[i]$
$j \leftarrow 1$
$k \leftarrow 2$
2
$k < i$
TAK
$k + 1 < i$
TAK
$d[k+1] > d[k]$
TAK
$m \leftarrow k + 1$
$m \leftarrow k$
$d[m] \leq d[j]$
TAK
$d[j] \leftrightarrow d[m]$
$j \leftarrow m$
$k \leftarrow j + j$
$i \leftarrow i - 1$

Shell


START
h ← 1
h ← 3h+1
h ≥ n
TAK
h ← h div 9
h = 0
TAK
h ← 1
h > 0
TAK
j ← n − h
KONIEC
1
2
j ≥ 1
TAK
x ← d[j]
i ← j + h
h ← h div 3
3
i ≤ n
TAK
x ≤ d[i]
TAK
d[i − h] ← d[i]
i ← i + h
d[i − h] ← x
j ← j − 1