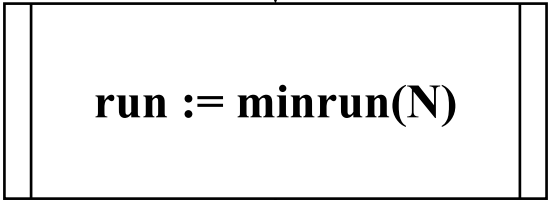
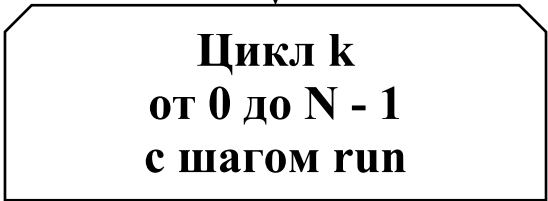


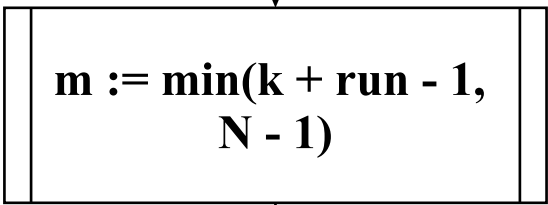
Начало



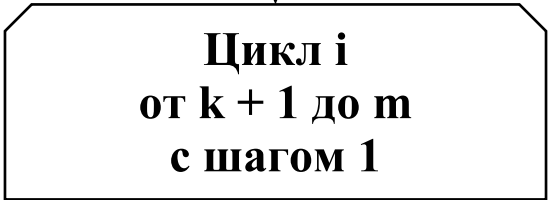
$run := \minrun(N)$



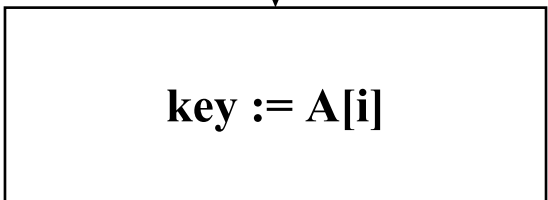
Цикл k
от 0 до $N - 1$
с шагом run



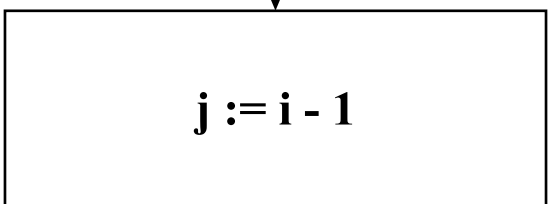
$m := \min(k + run - 1, N - 1)$



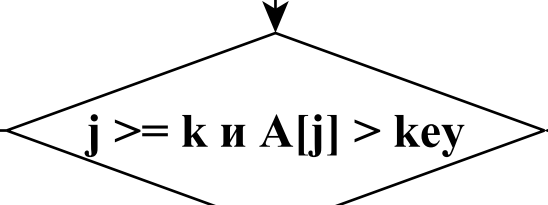
Цикл i
от $k + 1$ до m
с шагом 1



$key := A[i]$

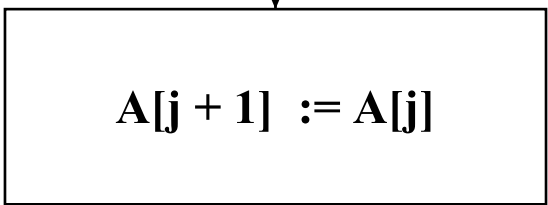


$j := i - 1$

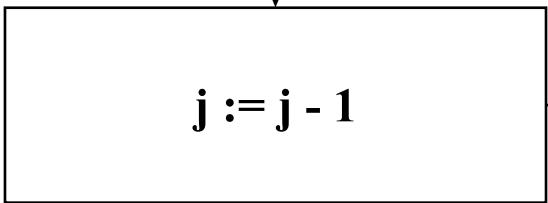


$j \geq k$ и $A[j] > key$

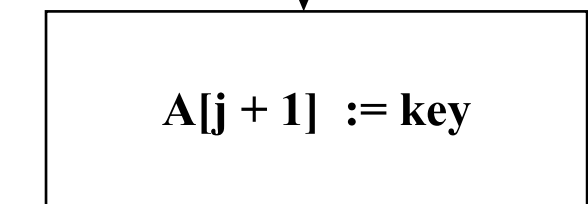
Да



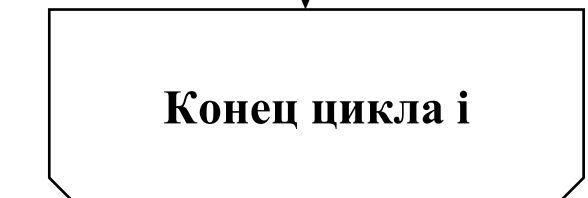
$A[j + 1] := A[j]$



$j := j - 1$



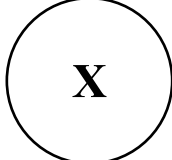
$A[j + 1] := key$



Конец цикла i

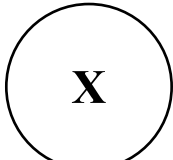


Конец цикла k

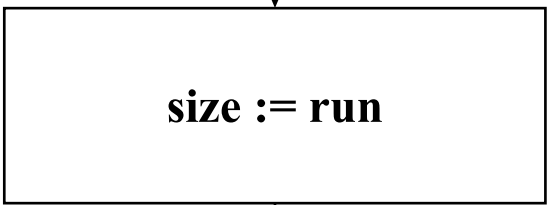


X

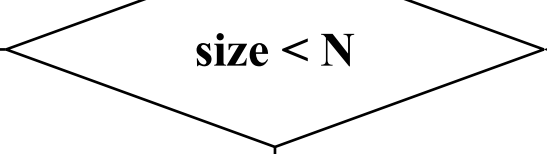
A - целочисленный массив
N - размер массива A



X

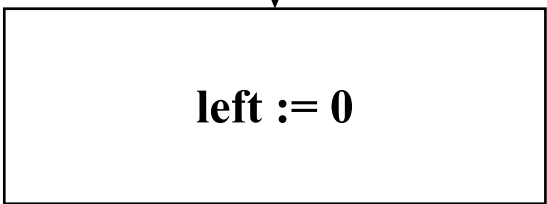


$size := run$

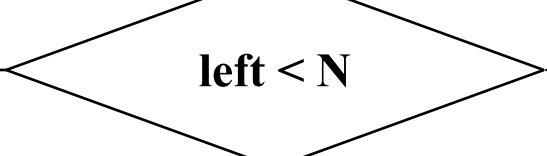


$size < N$

Да

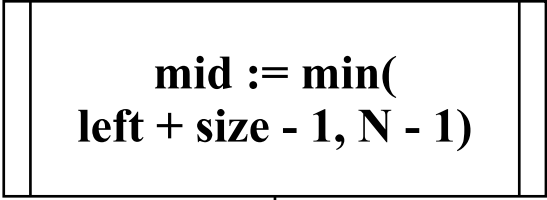


$left := 0$

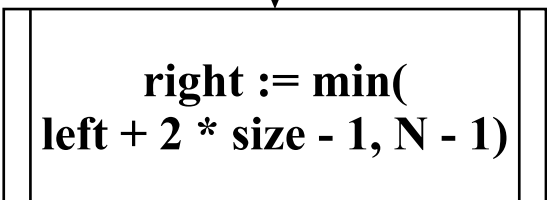


$left < N$

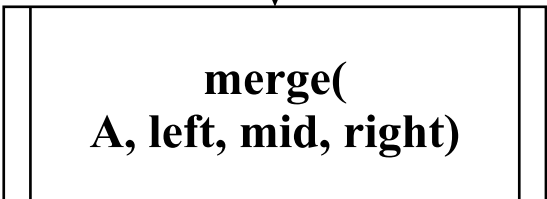
Да



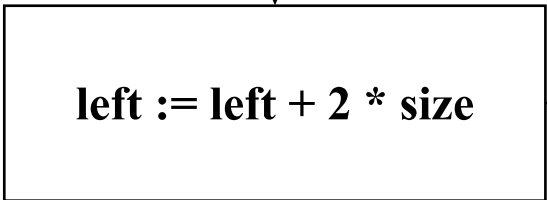
$mid := \min(left + size - 1, N - 1)$



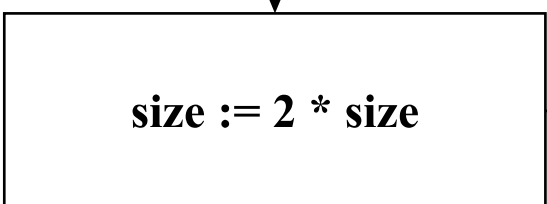
$right := \min(left + 2 * size - 1, N - 1)$



$merge(A, left, mid, right)$



$left := left + 2 * size$



$size := 2 * size$



Конец