

5

max = A[i];

for (i = 1; i < n; i += 3)



tmp = calculate max the (A[i], A[i+1], A[i+2])

if tmp > max

max = tmp

$\frac{n}{3}$

$T(n) = O(\frac{n}{3})$

or

6

Sum of A[i] < A[j]
for i < j

while (A[i] < A[j]) i++; j++;

i, m

p = 0

k = 0

i = 0

j = m

x = m

for (p = 0; p < m; p++)

if (A[p] == 0)

tmp = A[p]

A[p] = A[j]

j = 0

for (i = 0; i < m; i++)

if (A[i] == 0)

tmp = A[i]

A[i] = A[j]

A[j] = tmp

j++;

x = m

for (i = j; i < x; i++)

if (A[i] == 0)

tmp = A[i]

A[i] = A[j]

A[j] = tmp

i--

x--;

