Problem Statement

Suggest Edit

You are given an array 'arr' of 'n' integers.

You have to divide the array into some subarrays such that each element is present in exactly one of the subarrays.

The length of each subarray should be at most 'k'. After partitioning all the elements of each subarray will be changed to the maximum element present in that subarray.

Find the maximum possible sum of all the elements after partitioning.

910 = 31

15

7

9

2

5

10

K23

Understanding question: arr 2 (1, 15, 7, 9, 2, 5, 10) K23 We have to part the array in sub-array such mot every substatroy has size less man k and the ery sub-arry mari m element will be replace by to in other element of Ment & Ub - array. fory:
1 15 7 \q 2 5 \ 10

1 1 5 1 5 9 9 9 10

o We have to return the maximum Sum of traall the sub-haray after replacement 15x3 + 9x5 + 10 -1,15, 7, 9 X X

f(i) -> box (sive me me maximum cum of sub-array sub-array (volume to the first index index) ij (izzn) schemo, · lu =0, maxil INZMIN, ____ sto handle if ith exceed $\frac{1}{\sqrt{2}}$ $\frac{1$ maxir max (maxi, arry), Giveku maximum sum frem lux maxi) t f(j+1); inclex j+1. max (m. - max (sm., max sm.); - max sum max Sum ;

Why len x maxi? 6 y (j & 0 - (> 1) maxix glen 15 × 3 2 45 Expanental Overlayspiy T.C.: Recursion ...

Menomination — dep [n] O(NKK)