## Mord Wood

In this question, we will be having to an array which will store the length of the word and a value k which tells us that how much letters can be Stored in a single line.

Sum of the We have to find the cost which dan square of the externo of extra space each line contains except the last line.

300 line

her we analytic when not not adjust their on the ace = [3, 5, 5, 2] K = 6

tied set to the transition that In this example, we have away of length 4 and k=6

So, line 1 can store first two words as (3+2) equal to 5 and one space blu them.

for now the 1st line is bull it cannot contains any other letters or word.

We will move to second line, we will 1st store 2 in that then we will left with 4 space in which we cannot store the next word of character length 5 So we will left with a space we will square it and Store in some resultant variable.

We will move to 3rd line to store last word bout as the question only suggest that we not need to count the extra space of the last line.

0 0 0 0 1st line 200 line

00000

extraspace = 0

extra space = 42 = 16

extra space = 1 = 0

result -

but the question ousk that we need to find the minimum cost for that we will use recursive we will see by adding the word in the same line as will as adding the word in the another line then we will compare it with each other than the minimum. of among two will be the output or result.

In the forme as example as previous

Ist line 
$$\frac{0}{0}$$
  $\frac{0}{0}$   $\frac{0}{$ 

This is the minimum as among two we will achieve this using recursion

SolveWordWrap (nums[], k) { a=helper (1, num[o],nums; k); retura;

11 recurssive.

helper (int cour, int space, nums[], K) & if ( cur == nums.length) { // base case retuno; 3

int newspace = space + 1 + nums[cur]; 11 same line. il Lnewspace <=K)& a = helper ( uur+1, newspace, nums, k);

11 new line

b= (K-Space)2+helper (cur+1, nums[cur], nums, k); return min (a,b);

In this recursive will check every possible out comes of the conther gives the minimum among them.

making one helper comethod which will work as recousive, it has two approach keeping the word in the same line it the k allows and also keeping the word in the new line and So on going it till the last iteration at last it will have two values as a & b The we will compare both values (9,6) among two we need the minimum value box the cost. which will be the result of the eode.

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