

Note: - This playlist is only for explanation of ans & solutions.



See my "DP Concepts & dm" playlist for understanding

DP from Scratch...



Facebook] > code storywith MIK Twitter -> cswithMIK



-> codestory with MIK

1531. String Compression II





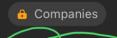












(repeated 2 or more times) with the concatenation of the character and the number marking the count of the characters (length of the run). For example, to compress the string "aabccc" we replace "aa" by "a2" and replace "ccc" by "c3". Thus the compressed string becomes "a2bc3".

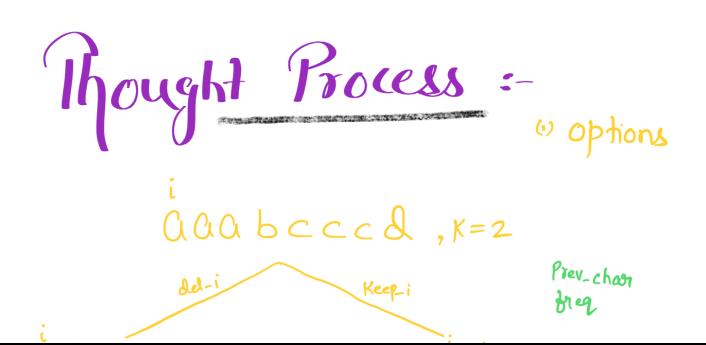
Notice that in this problem, we are not adding '1' after single characters.

Given a string s and an integer k. You need to delete **at most** k characters from s such that the run-length encoded version of s has minimum length.

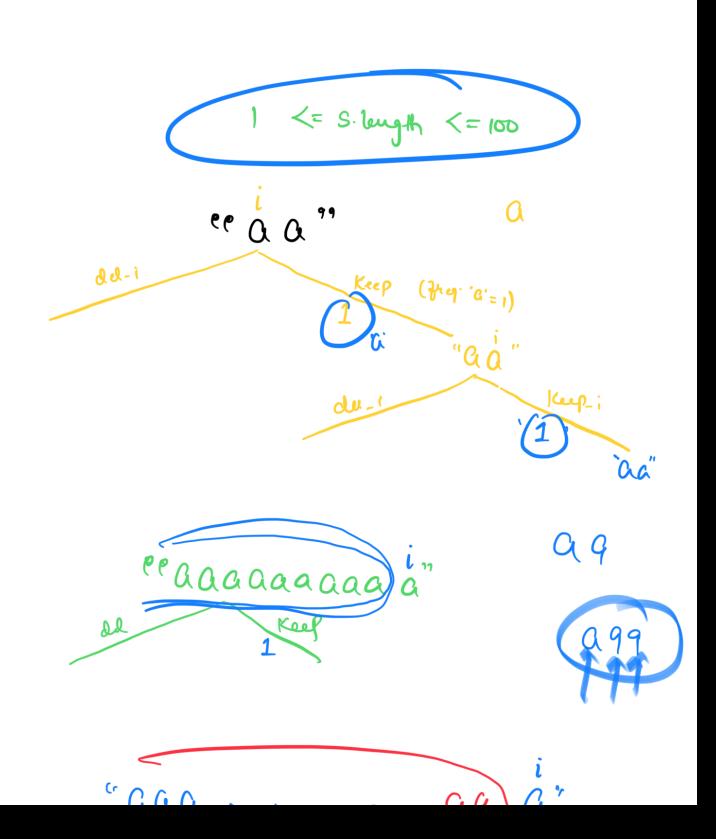
Find the minimum length of the run-length encoded version of s after deleting at most k characters.

Example:
$$S = "aaa|ccc|d"$$
, $K = 2$

Output = 4
 $abcccd \rightarrow abc3d$
 $aaabccd \rightarrow a3bc2d \in aaccc \rightarrow a3c3 \rightarrow 9$



aabcccd, K=1 aabcccd, K=2



99 010 del-1 aaaa · - G ... Solve (i, prev-char, freq, il (K<O) return 0;

inf
$$f[0]$$
 $[27]$ $[0]$ $[0]$;