Dynamic Video Profiramins

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



See my "DP Concepts & alm Playlist for understanding DP from Scratch...

Leet code -2370 Medium Simple

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2370. Longest Ideal Subsequence

Medium ₺ 784 🖓 24 ♡ Add to List 🖸 Share

You are given a string s consisting of lowercase letters and an integer k. We call a string t ideal if the following conditions are satisfied:

- t is a subsequence of the string s.
- The absolute difference in the alphabet order of every two adjacent letters in t is less than or equal to k.

Return the length of the longest ideal string.

A **subsequence** is a string that can be derived from another string by deleting some or no characters without changing the order of the remaining characters.

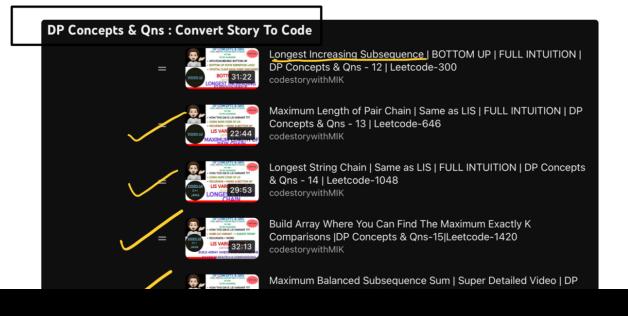
Example:-
$$S = \text{"acfgbd"}, K = 2$$

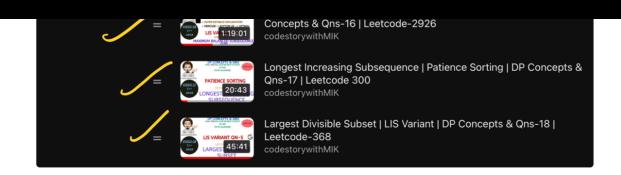
Output = 4

 $S = \text{"abcd"}, K = 3$

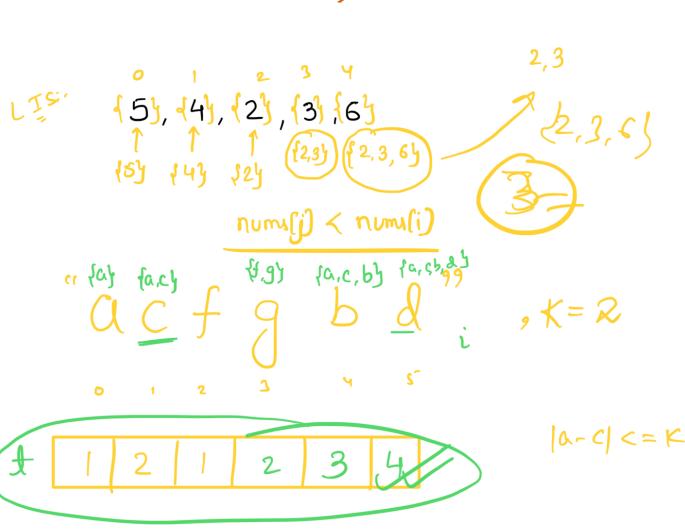
Output = 4

 $S = \text{"abcd"}, K = 3$









for (i = 0; i < n; i+){

for
$$(j = (-1), j > 20, j - 1)$$

$$if (khali - chalj | x = k) ($$

$$f(i) = max(k(i), d(i)+i)$$

$$f(i) = (-1), j > 20, j - 1)$$

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