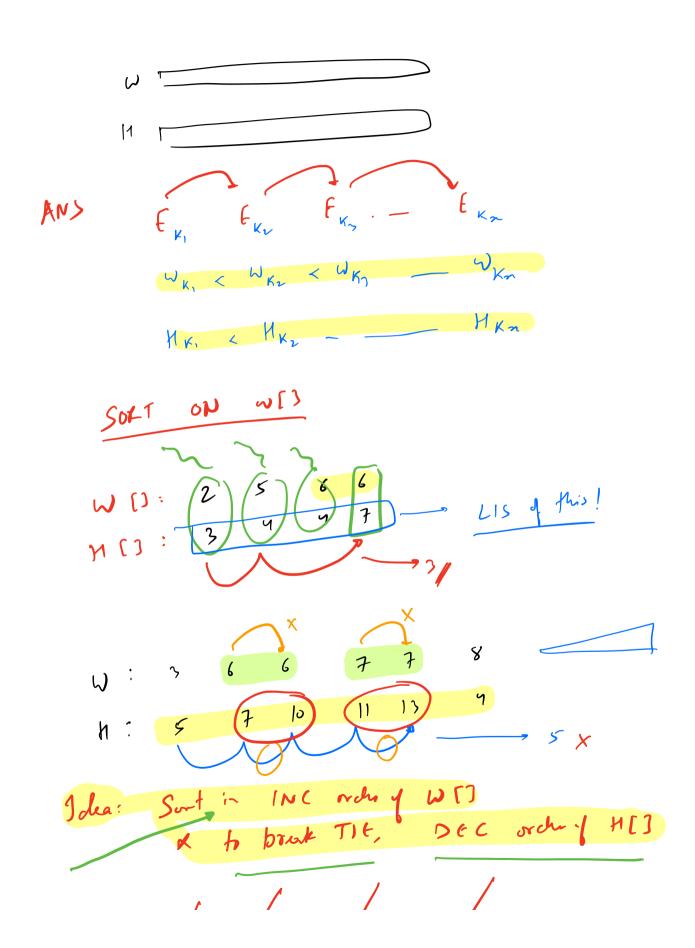
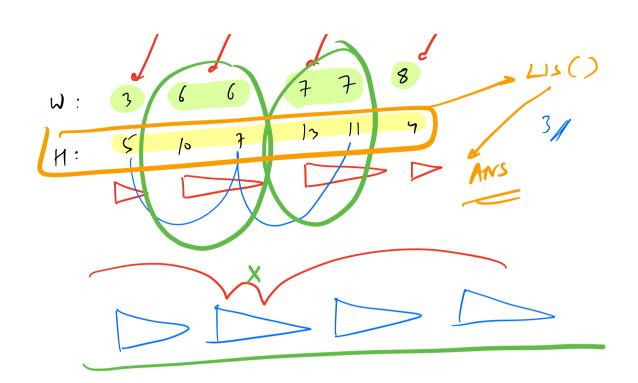
215 [Longest Invitaring Subsequence] Given on array. find the length of LIS! of Strictly A: [2, 3, 5, 1, 10, 1, 7] Generate all sub-seg - 2' of dp(i) the length of the LIS earling at

$$\frac{1}{100} = \frac{1}{100} = \frac{1$$

rd ANS; Botton Up 4 dp (i)=1 $f(j=0 \longrightarrow (-1))$ $f(j=0 \longrightarrow (-1))$ $if(A_j < A_i)$ dp[i] = nAx(dp[i), dp[j)+1); 1) BIN SEARCH 2) Some baye Jung DS NOTE

RUSSIAN DOLL ENVELOBE Giva N envelopes haiz width & height w[] An envelope can fit inside another if and only if the another if and only if the widge widge of height of this envelope widge shortly smaller than the other! find the MAX no- of envelopes that you can chain one inside another!





$$TC \rightarrow N4N + N^{2}$$

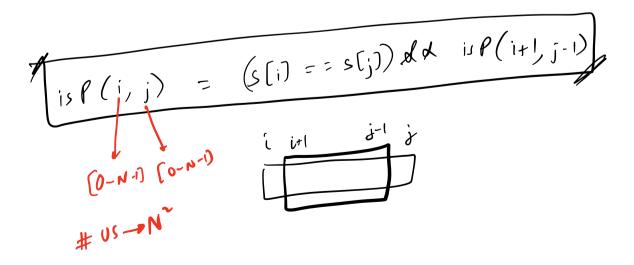
$$= O(N^{2})$$

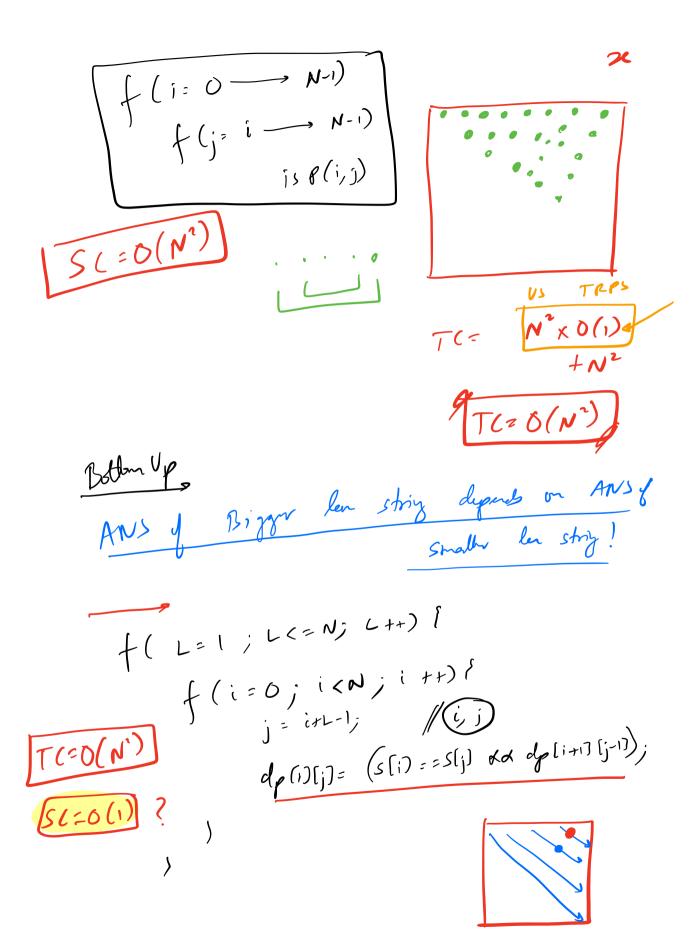
$$SC = O(N)$$

Given a string of they one polindrom or not!

that I substrong if they one polindrom or not!

is
$$l(i,j)$$
 — $true: j the $s(i-j)$ is a Parabrane febre otherwise$





PALINDKOMIC PARTITIONING

Given a string, Find the min no-of cuts needed string the cuts, every resultant stry is a palirebrone!

5 = a a | b

S= abcdcab

