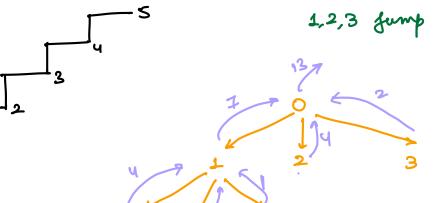
··· contd

Climbing Stairs

TD DP:

no of ways at -> ster fewer?



m=5

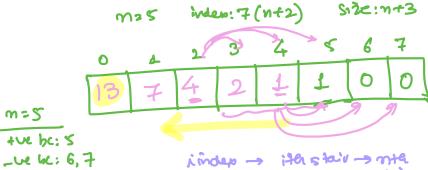
0	1	2	3	4
13	7	4	2	1

BU DP (Ikraion)

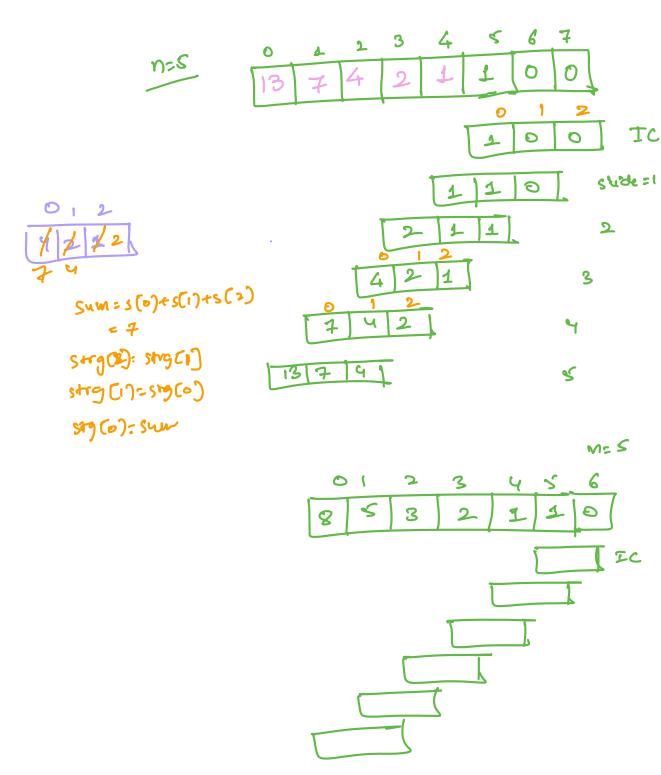
- Size?

- TD BC -> BU ful work Start

- Cel meaning
- filling drn?
- fil
- final answer.



iterstain -> mtg



CS -1 Count based

hongest Common subsequence (LCS)

Given 2 strings find the length of longest subsequence which is present in both the Strings.

Subsequence

Sequence that appears is the same relative order but not necessarily contiguous.

eg: abcdefg

Subsequence: abc, abg, bdg, acg, accfg

dbg X

Eg:

S1	52	length & ucs	LCS
abcd	agcfa	3	acd
abc	adcb	2	ab,ac
abc	acd	2	ac

Brute fora Approach:

s2 subsequences:
$$[-, a, c, d, ac, od, cd, ocd] \xrightarrow{\sim} 2^n$$

Time Complexity:
$$2^m + 2^n + 2^m \cdot 2^n = 2^m + 2^n + 2^m + 2^m = 0$$
 (2 men)
$$\sum_{n \in \mathbb{N}} p_n = n + 2^n + 2^m +$$

RECURSION:

Recursive lan noturn: LCS (SI,S2) = SI,S2 LCS kngth

LCS (abcd, agcfd) = 3

Qx1:

abcd, age fd acd
$$2+1=\frac{5}{3}$$

bcd, gefd ad $\rightarrow 2$

Casuz:

