

- Cell maning

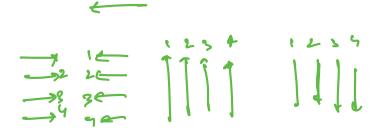
2,3 : ch, fd LCS length

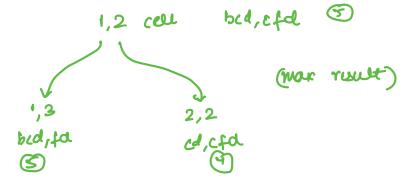
0,3: abod, fd Lcs lugth

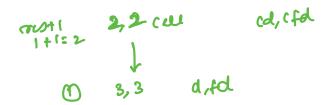
0,0: ahd, ageta les length

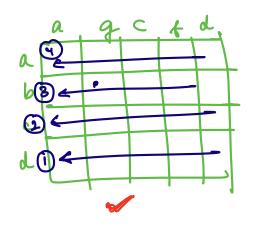
Some profe all do: 2,3: abc, agcf

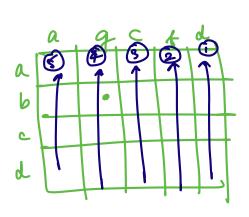
- filling drn





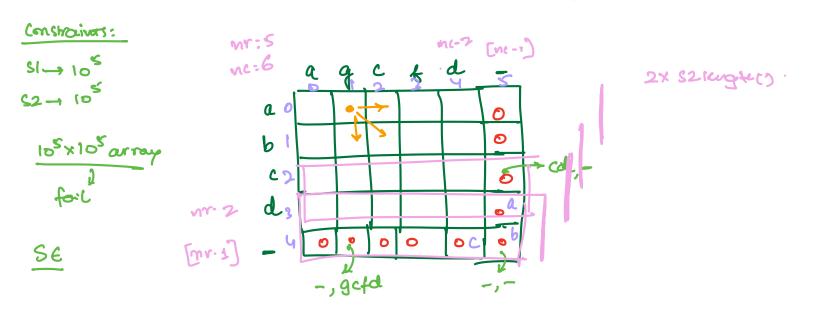






- filling

- final ono 0,0



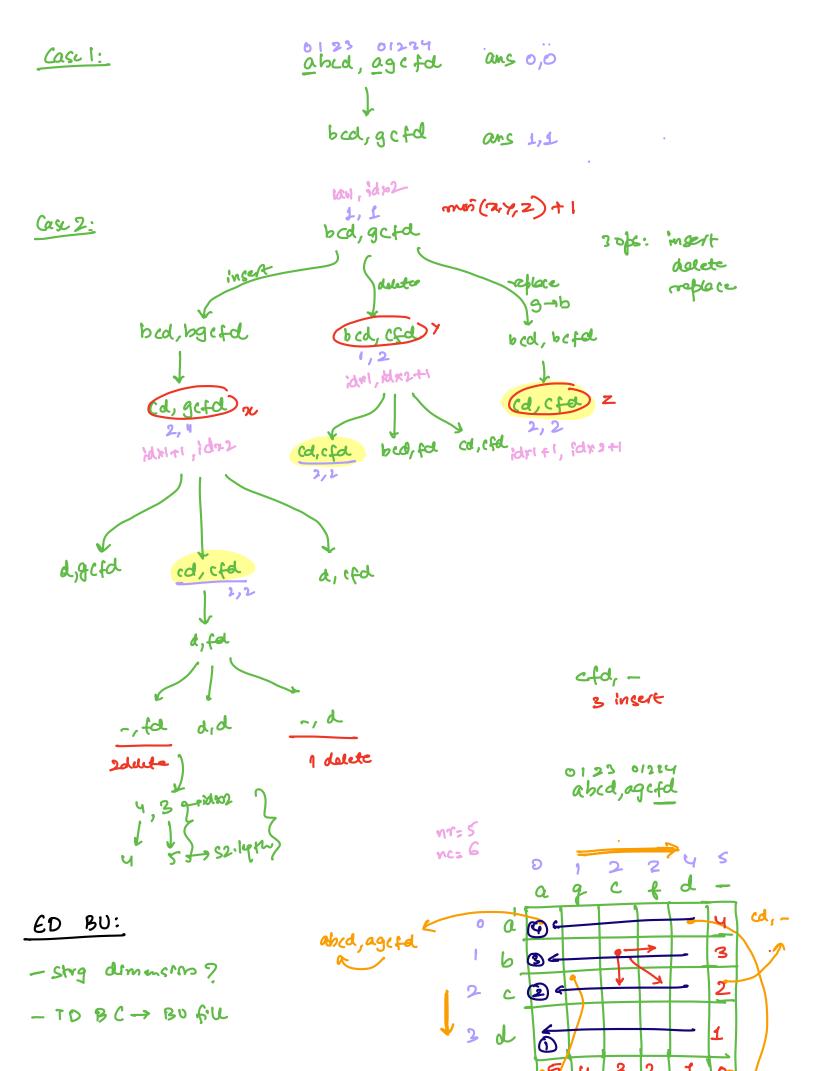
## Edit Distance

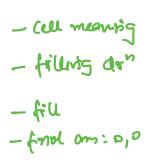
Given two strings stri and str2 and below operations that can be performed on str2. Find minimum number of edits (operations) to convert str2 to str1.

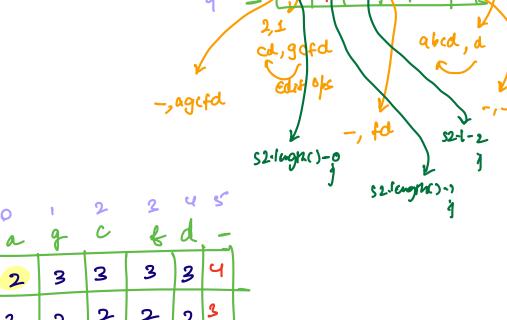
- 1. Inscrt
- 2- Remove
- 2. Replace

All of the above separations are of equal last.

Eq: abcd agcfd agcfd agcfd agcfd abcfd agcfd abcfd abcfd abcdEq: abcdCopie: abcdCopie:







		0	1	2	2			
		a	g	C	b	d	<u>_</u>	
0	C	2	3	3	3	3	ч	
t	Ь	3	2	2	2	2	3	
2	с С	3	2	1	1	1	2	
9	d	4	2	2	1	O	1	
	· ·	5	Ч	3	2	1	O	
4								1

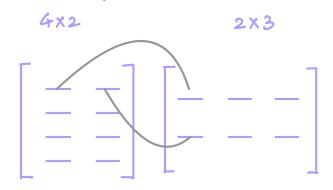
## Matrix Chain Multiplication:

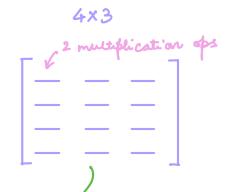
array represents 4 matrices:

M1: 4x2 M2: 2x3 M3: 3x5

M4: 5X1

what is the minimum no of multiplication of needed to multiply these 4 matrices?





total multiplications = 4x3x2 = 24

ixj

ixk

ixk cells fill

1(cel: j multiplication ops

total: ikkxj : ixjkk

M1M2M3

no. of multiplication ops are different

