

up

if (lastColumn)

* 97++

elip (fixer now)
elip* C++

九一

C++

clip = down *

down

it (last row)

elicit

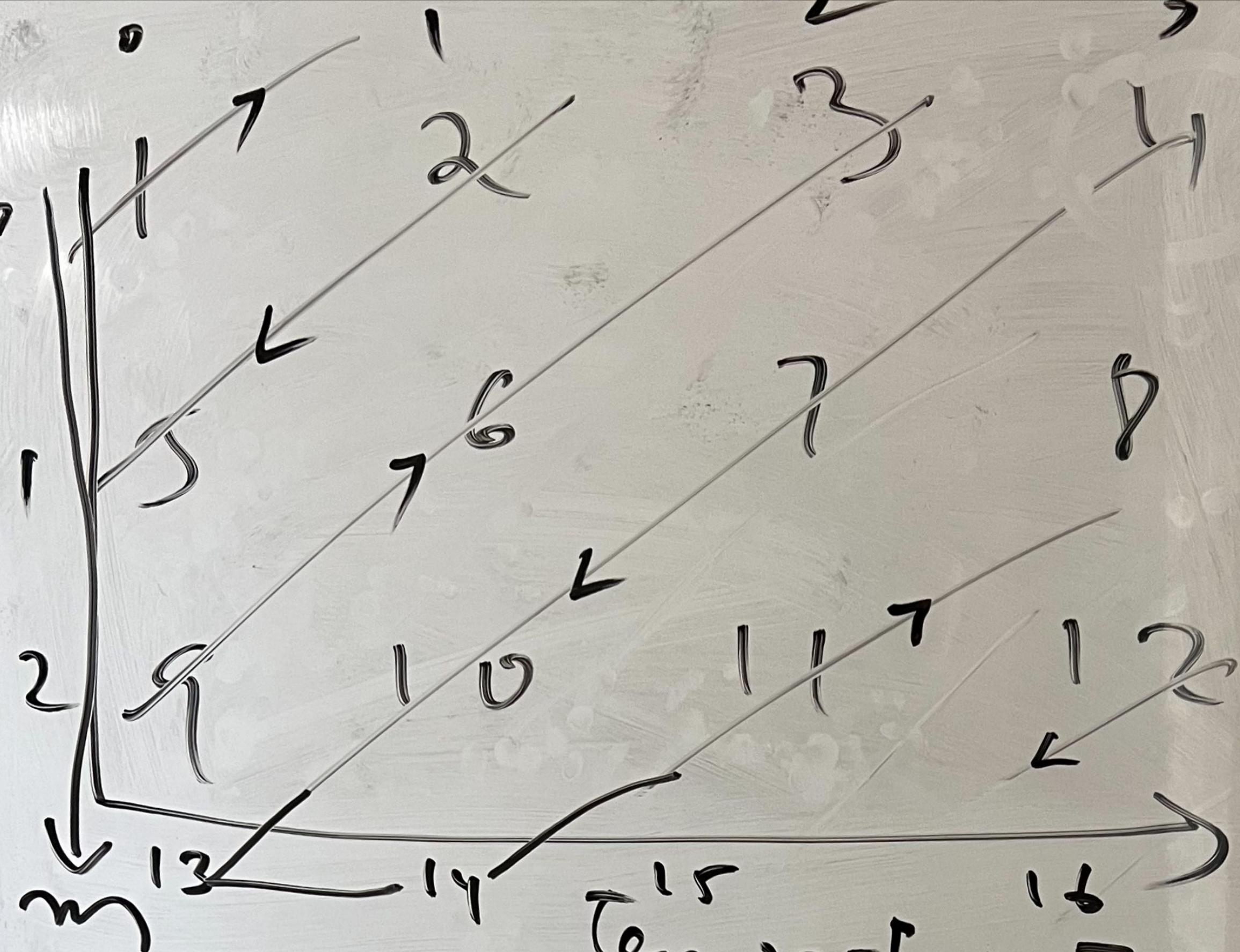
elat (first column)

electra *

九
十
十一

1 -

$$x_{ij} = w_j$$



$\text{temp} = [\quad]$

$\pi --, c_{++}, \text{temp}[:;-1]$

$\text{Res} = [\quad]$

$T C - O(2n \times n)$

$S C - O(n^2)$

$\text{Result} = [\quad]$

Product except self

$$[1, 2, 3, 4]$$

Brute force - $\Theta(n^2)$

Result $[x_1 \cdot x_2 \cdot x_3 \cdot x_4, x_1 \cdot x_2 \cdot x_3 \cdot x_5]$

TC - $\Theta(n)$

SC - $\Theta(1)$

Product except self

$$[1, 2, 3, 4]$$

Brute force - $O(n^2)$

$\Theta(n)$

$$[1, 1, 2, 6]$$

- Prefix

$\Theta(n)$

$$\begin{matrix} x & x & x & y \\ [24, 12, 4, 1] \end{matrix}$$

- Suffix

Result: $[24, 12, 8, 6]$

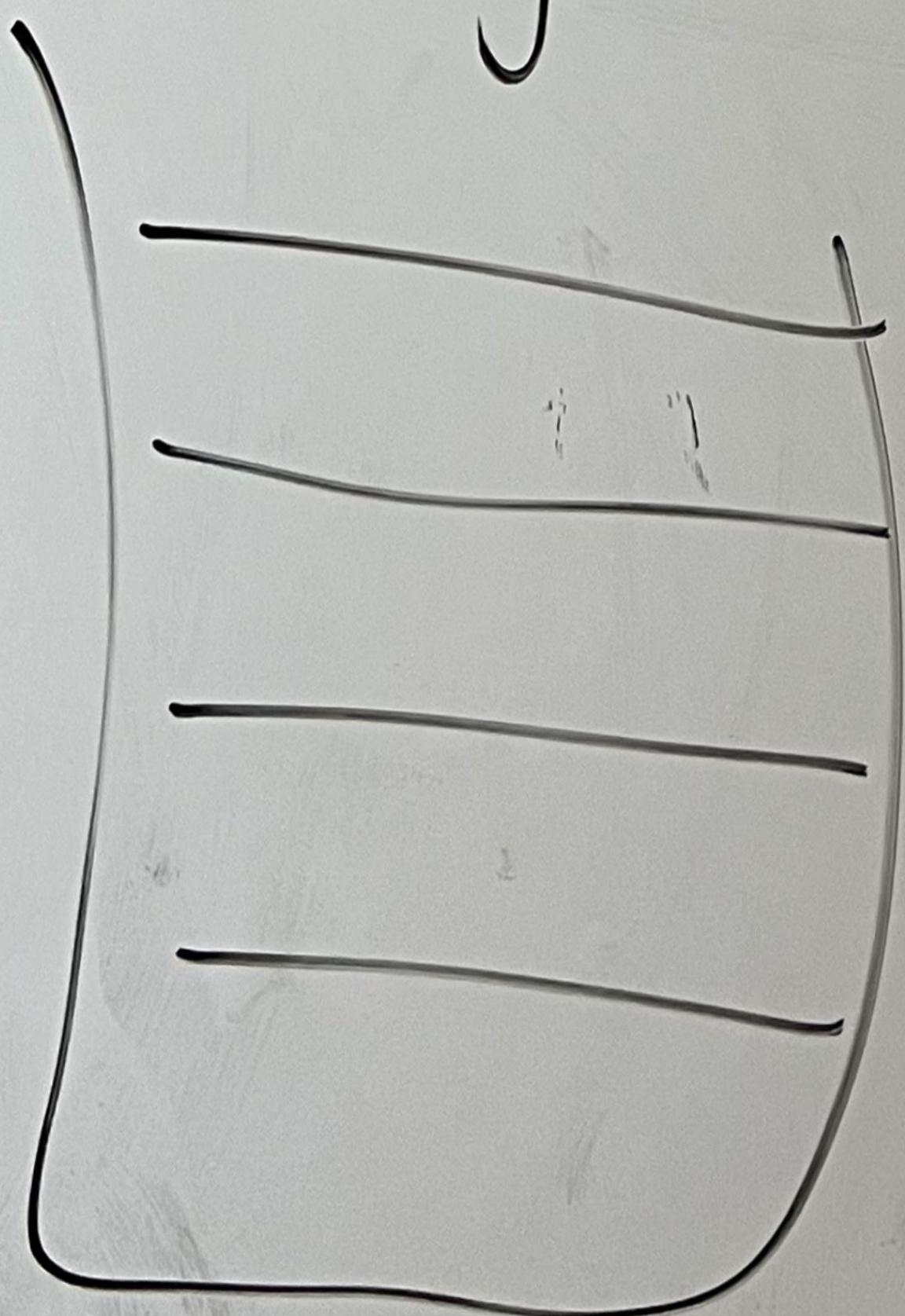
- Auxiliary datastructure that we use to compute the result
- Recursion - We use Recursive stack

int[] findMissing[]

low
high

i

j



$f_n(x, y)$

$f_n(a, b)$

R. Stark