



Revise

Heavy

Pattern continues [Join here]

Special class

Ticketing

250+

Kal raat

Disorder

Cold Up

B.R + facij an Tm

form -> Raise an issue

 Full Pyramid

$$\begin{array}{l} \text{h} = \text{s}^{-1} \rightarrow \text{n} - \gamma - 1 \rightarrow \text{s}^{-1} - \text{l} - 1 \rightarrow \text{L} \text{ab} \\ \gamma = 2 \end{array}$$

① $\gamma_0 \omega_0 = n = 5$
 ② $\gamma_0 \rightarrow 4 \text{ sp}, 1 \star$
 $\gamma_1 \rightarrow 3 \text{ sp}, 2 \star$
 $\gamma_2 \rightarrow 2 \text{ sp}, 3 \star$
 $\gamma_3 \rightarrow 1 \text{ sp}, 4 \star$
 $\gamma_4 \rightarrow 0 \text{ sp}, 5 \star$

$n=5$
 $\sigma=1$

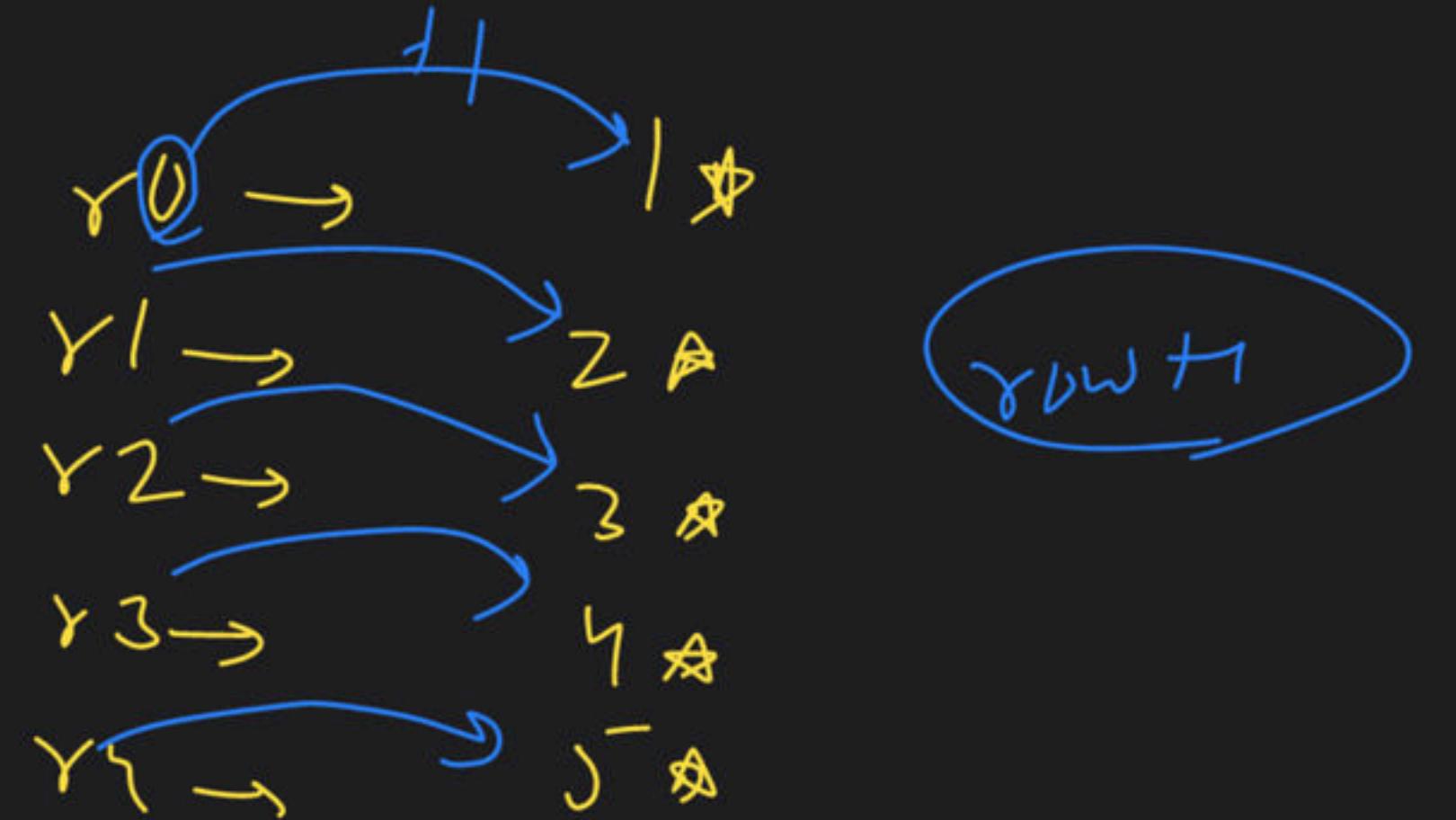
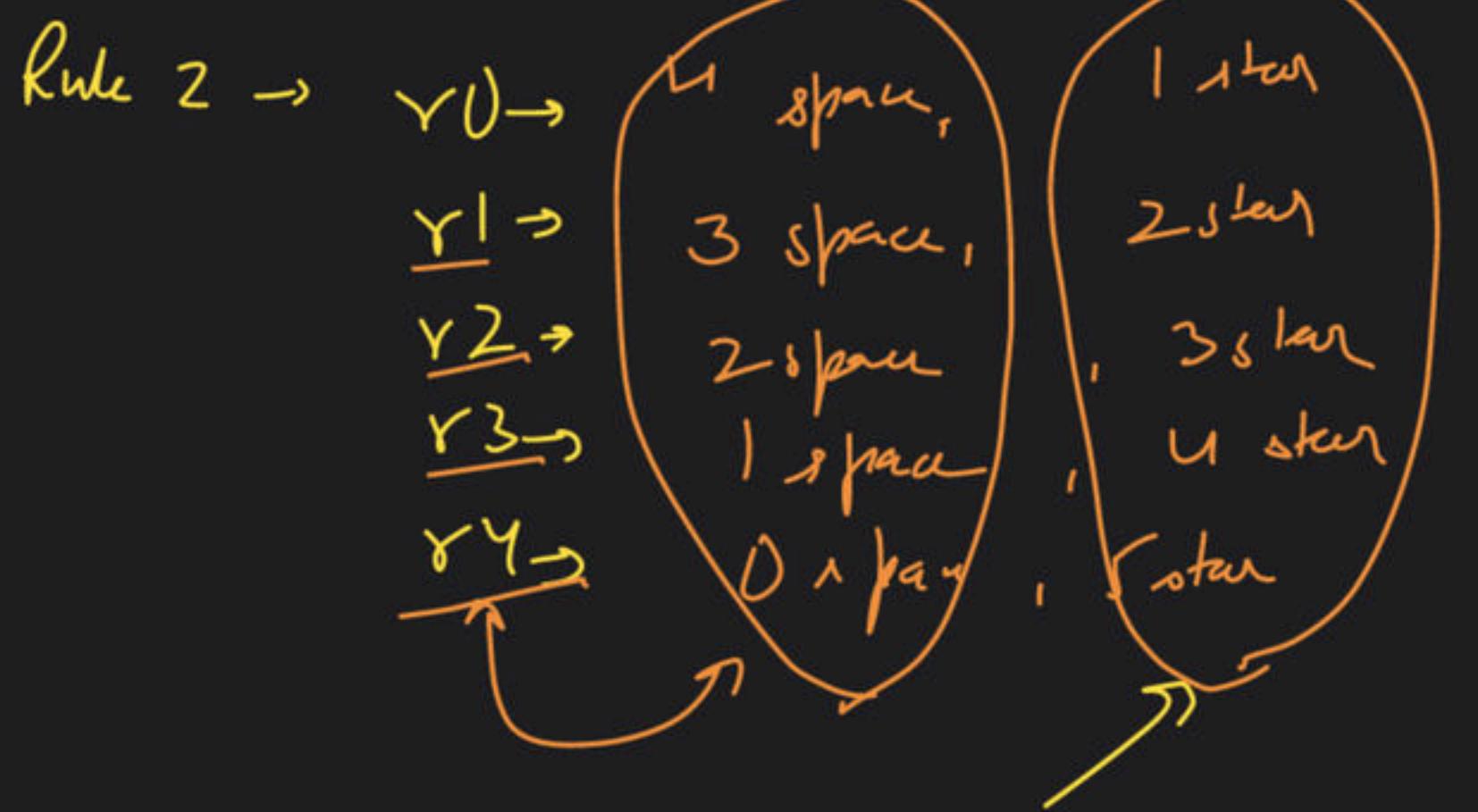
$n=5 - 4 - 3 - 2 - 1 = 0$

$$n=5 \rightarrow n=20^{\circ}-1$$

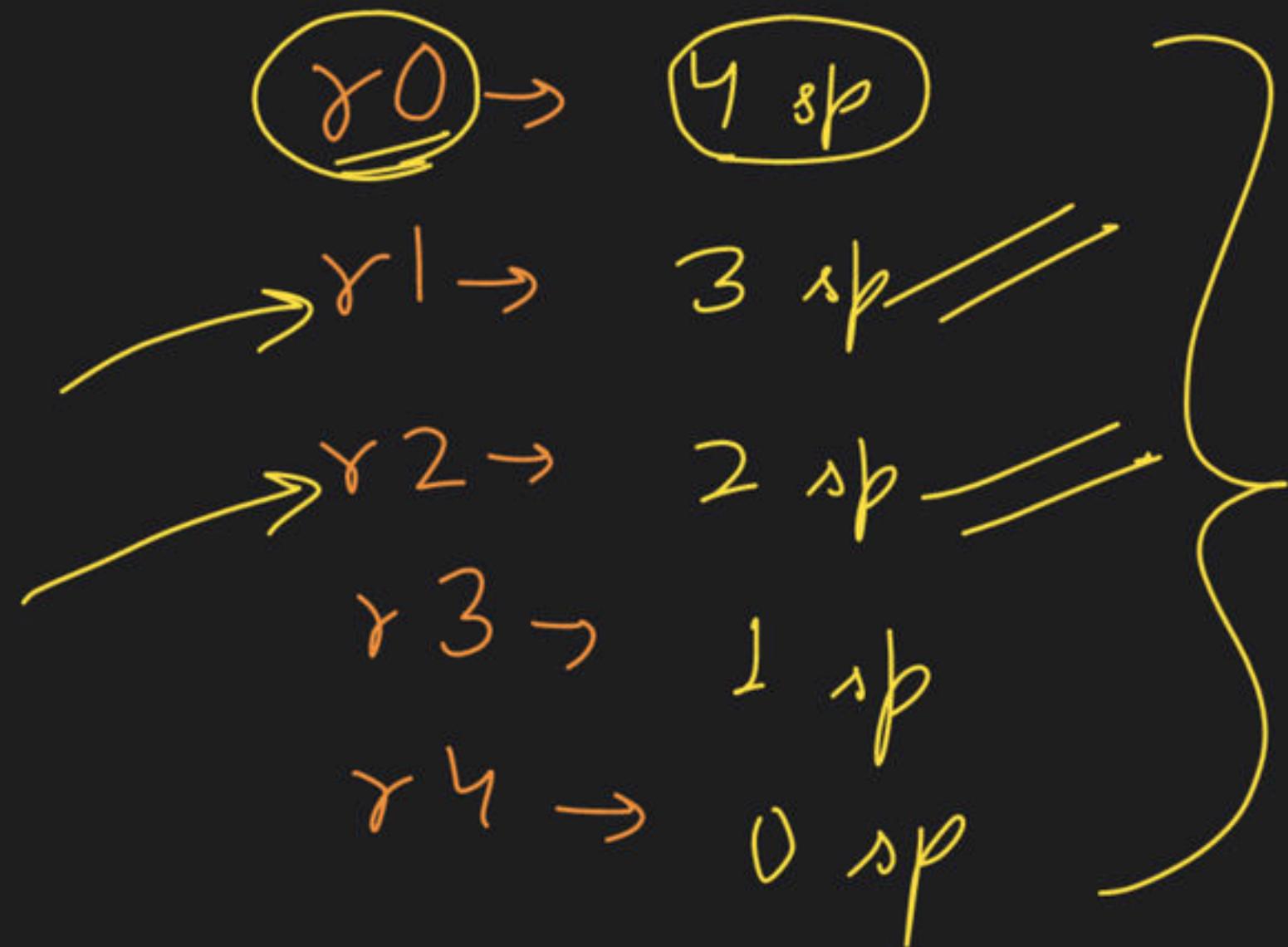
$$\begin{aligned}n &= 5 \\r &= 0 \\&\text{---} \\&\boxed{5 - 0 - 1} \rightarrow \\&\boxed{n - row - 1}\end{aligned}$$



Rule 1 \rightarrow $Y^{rows} + n = 5$



Y^{0w} \rightarrow space, stars



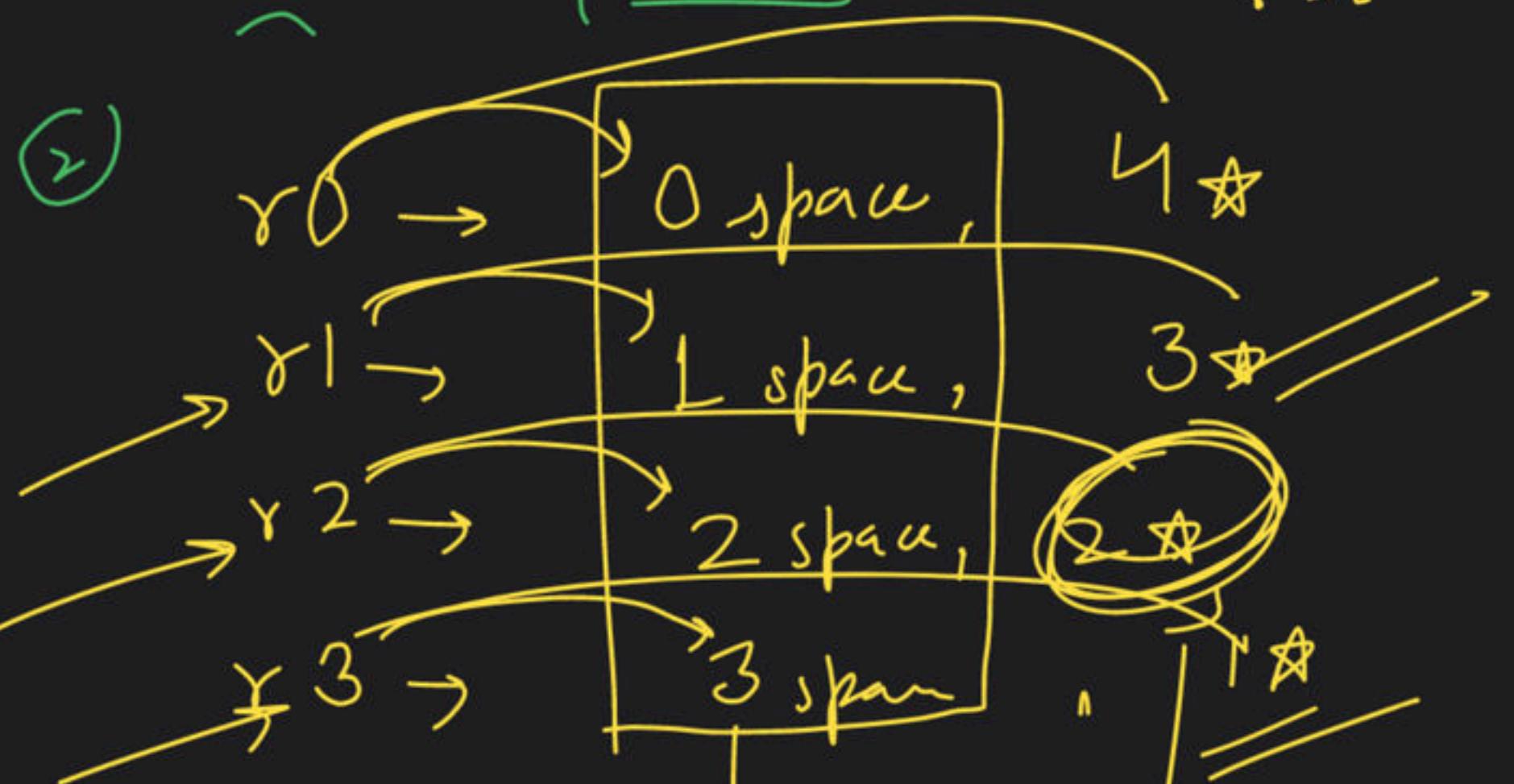
$$\begin{array}{l}
 n=5 \\
 \gamma=1 \rightarrow n-\gamma-1 \\
 5-1-1 \\
 = 3
 \end{array}$$

$$\begin{array}{c}
 \frac{n}{\gamma} \\
 \downarrow \\
 \left\{ \begin{array}{l} n=5 \\ \gamma=0 \end{array} \right. \\
 \xrightarrow{\quad} 1 \\
 n-\gamma = 5-0 \\
 n-\gamma = 5 \\
 (-1) \\
 n-\gamma-1 = 5-1
 \end{array}$$

$$\begin{array}{l}
 n=5 \\
 \gamma=2 \rightarrow n-\gamma-1 \\
 5-2-1 \\
 = 2
 \end{array}$$

$\int_{\text{Invunks}} F \cdot \rho$

$$\textcircled{1} \quad r_{\text{rows}} \Rightarrow n = 4$$



$$n=4 \quad r=3 \neq 1$$

r_{rows}

$n - r$

$$n=4 > n-1=3$$

$$r=1 \rightarrow n-2=2$$

$r^0 \rightarrow$

$r^1 \rightarrow$

$r^2 \rightarrow$

$r^3 \rightarrow$



$0/\rho$

$r \rightarrow \text{space}$
stars

$$n - r = 4 - 0 = 4$$



$$3 \times 3 \rightarrow 6$$

$$4 \times 4 \rightarrow 8$$

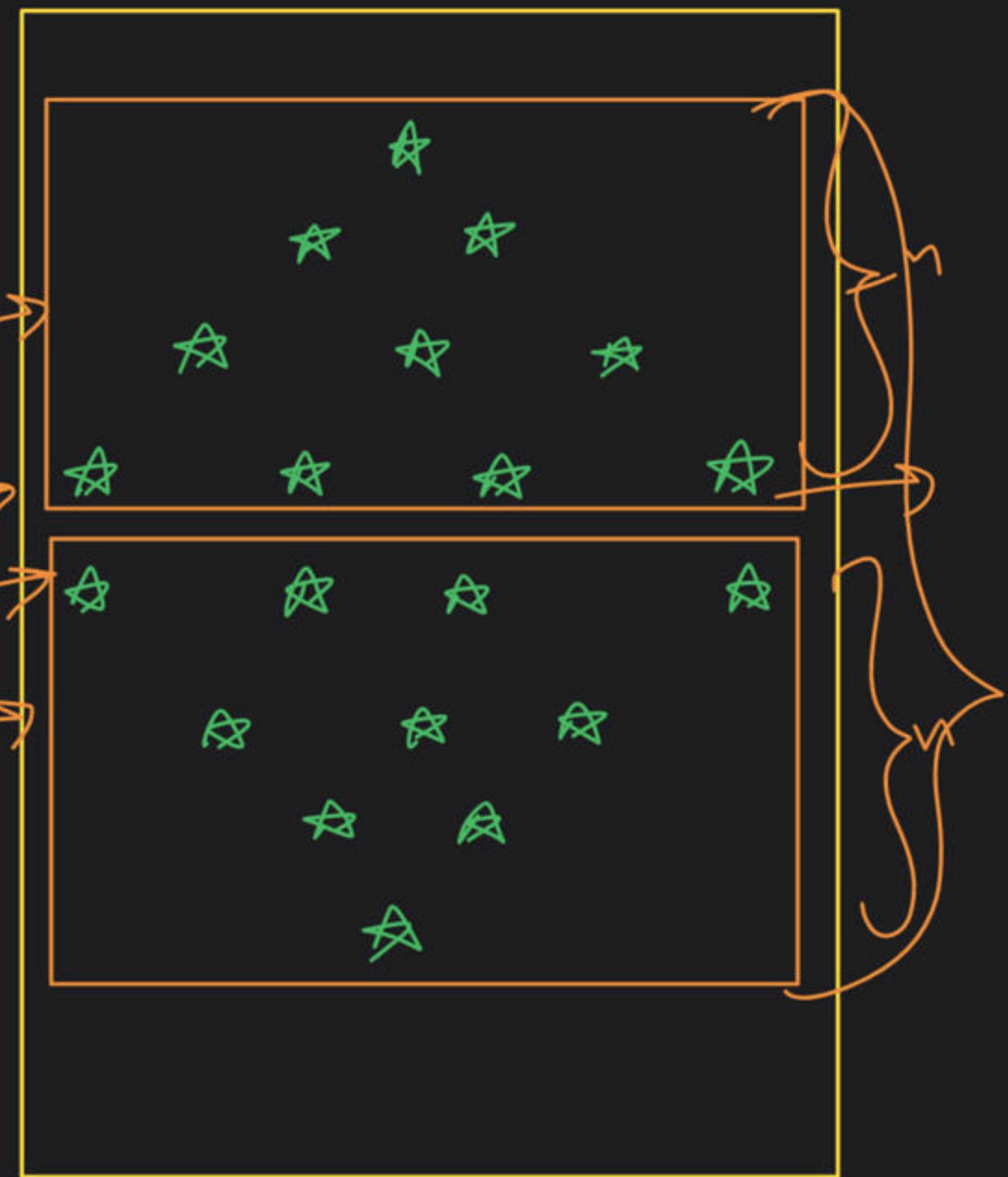
$$\begin{matrix} n & + & n \\ \downarrow & & \downarrow \\ \{ & & \cup \end{matrix}$$

$$n \times n = 2^n$$

Diamond

FP

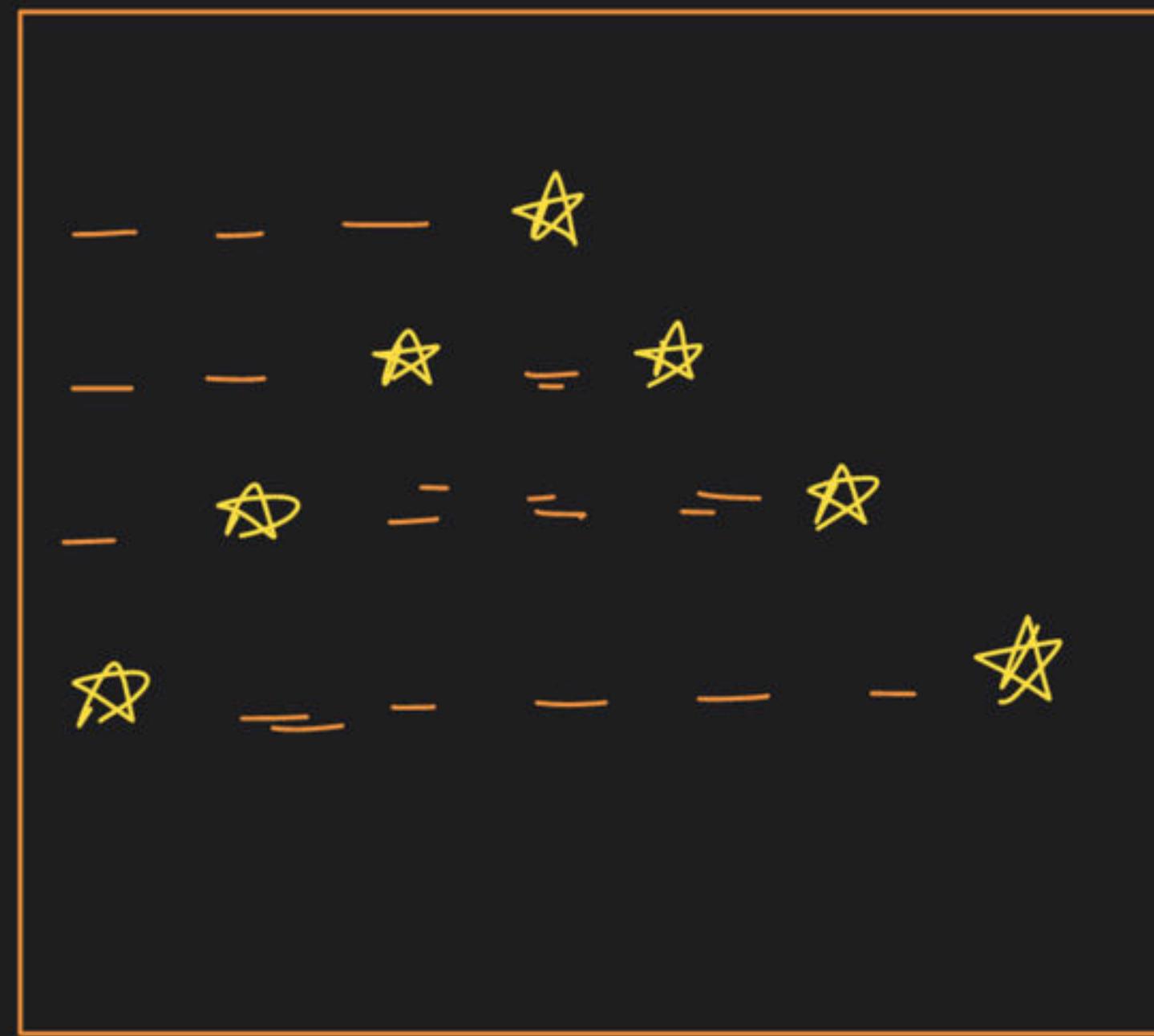
FP



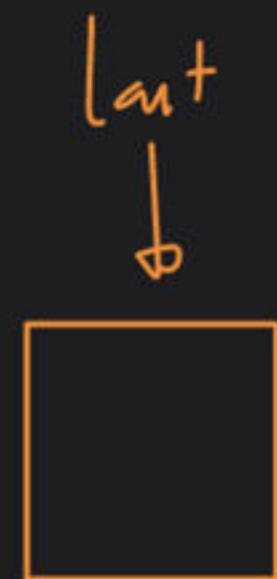
Hollow
Pyramid



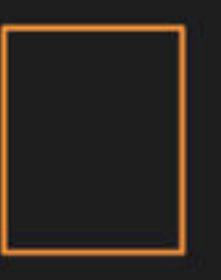
→



Σ to Σ
 $n = r$



t_1



$-l_1$



t_3



t_1

t_0

n

t_1

t_2

t_3

t_5

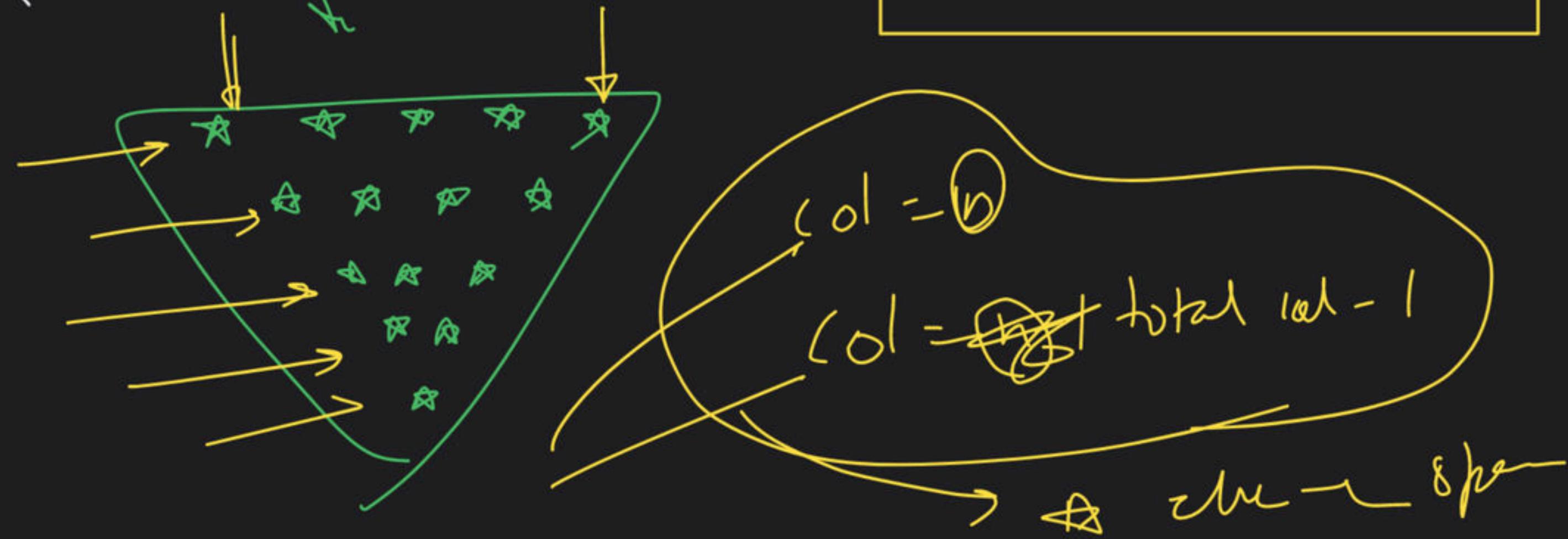
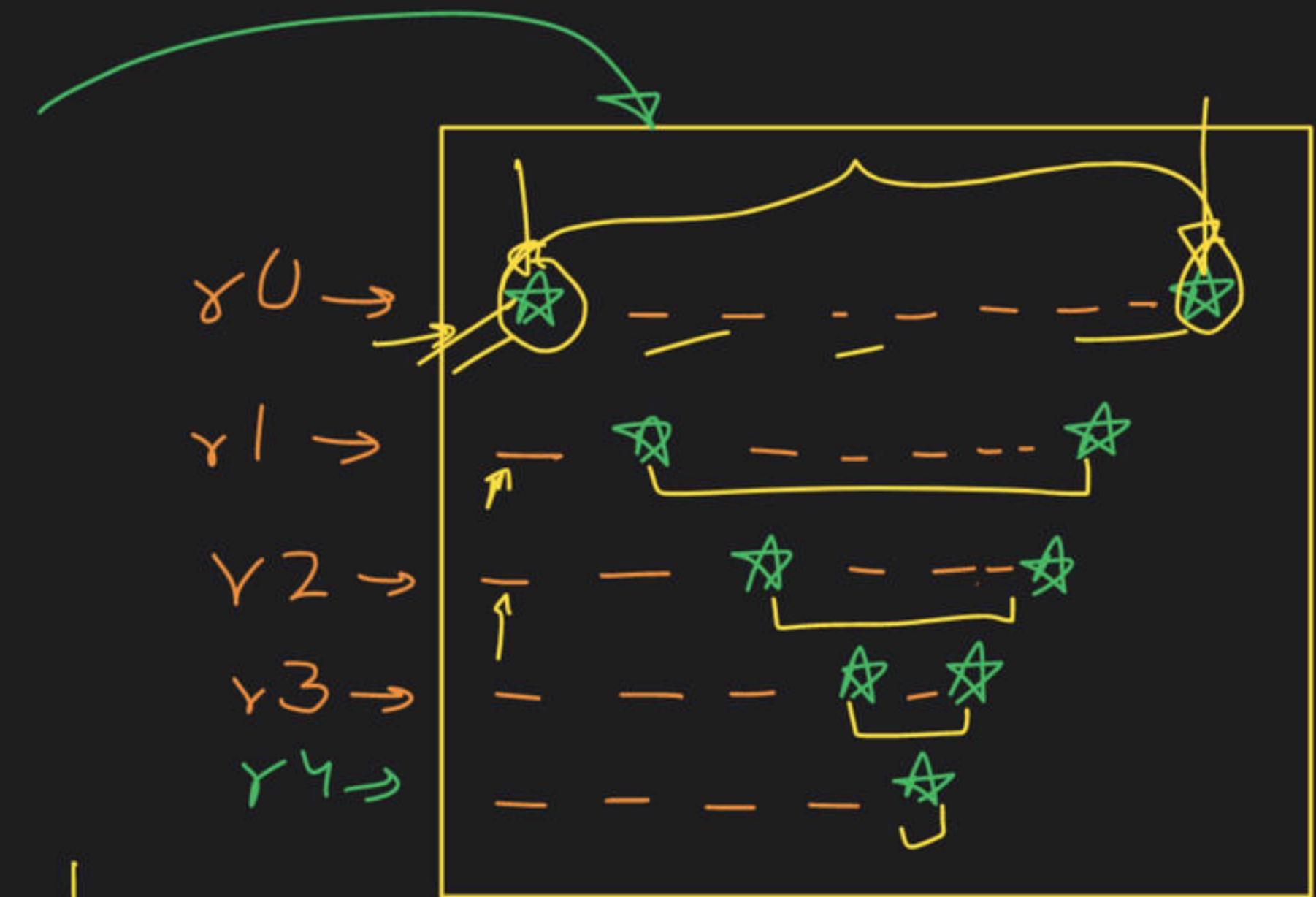
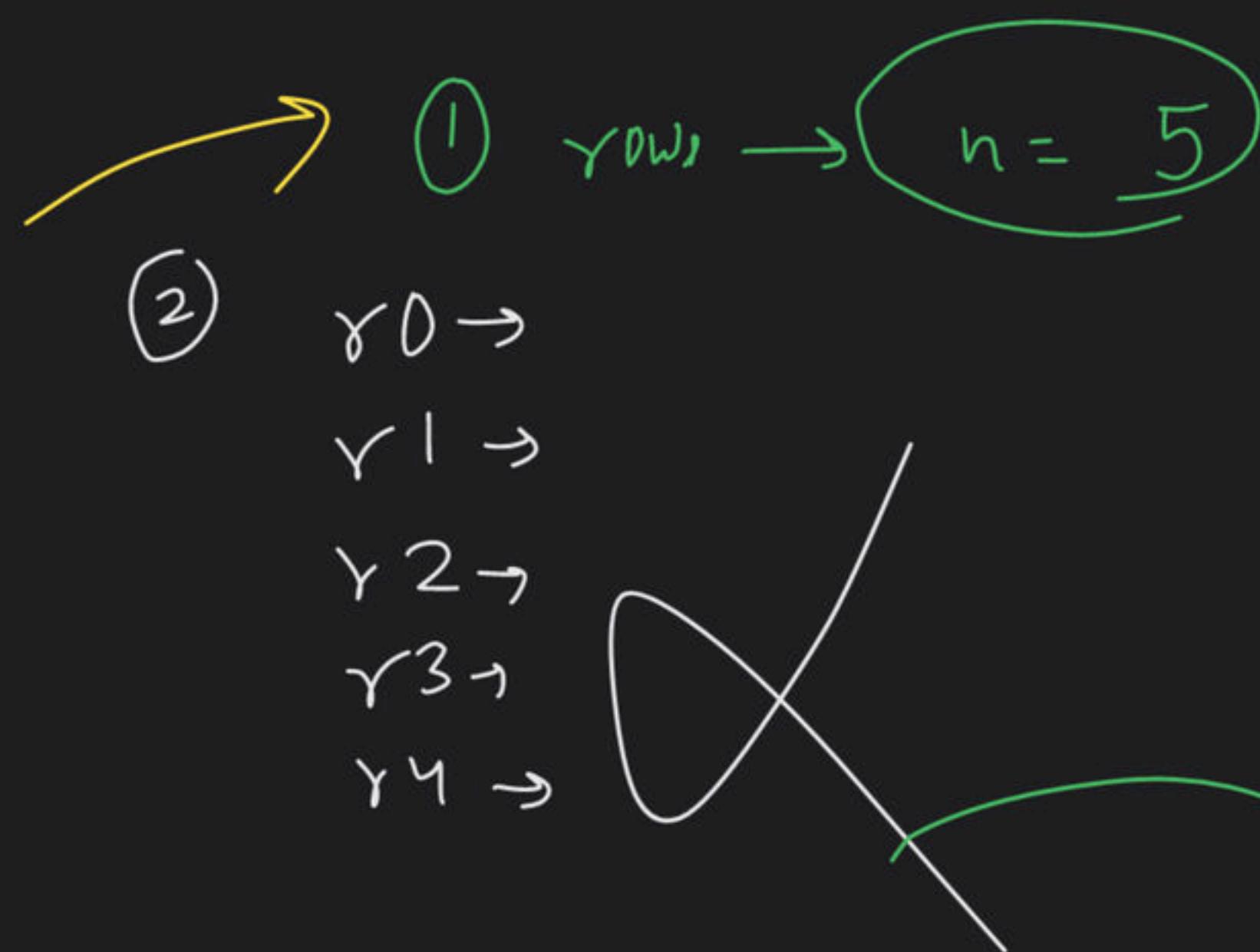
t_n

t_4

t_{n-1}

1-based
numbering

0-based
numbering

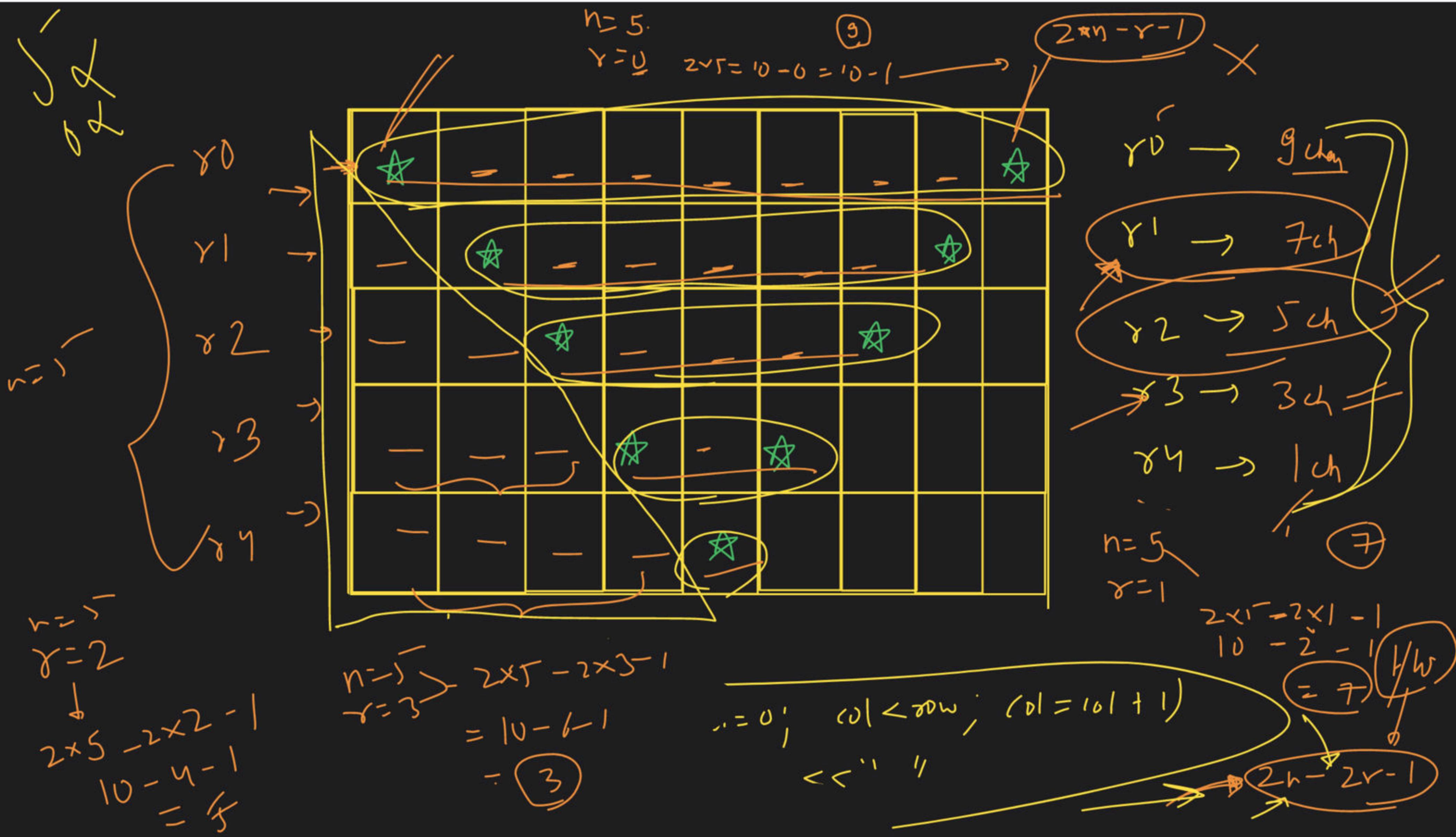


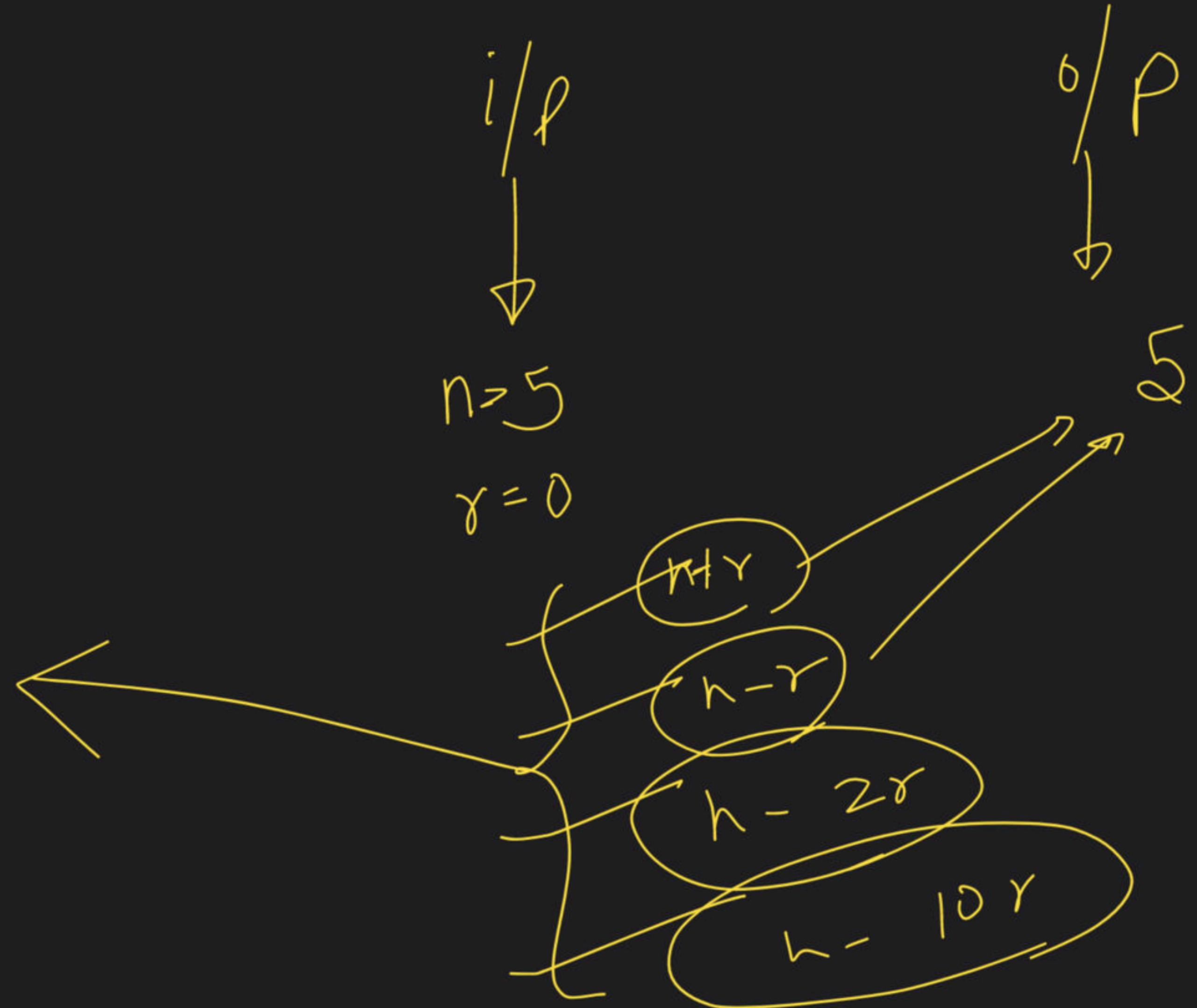
$(\text{row} + 1)$ column

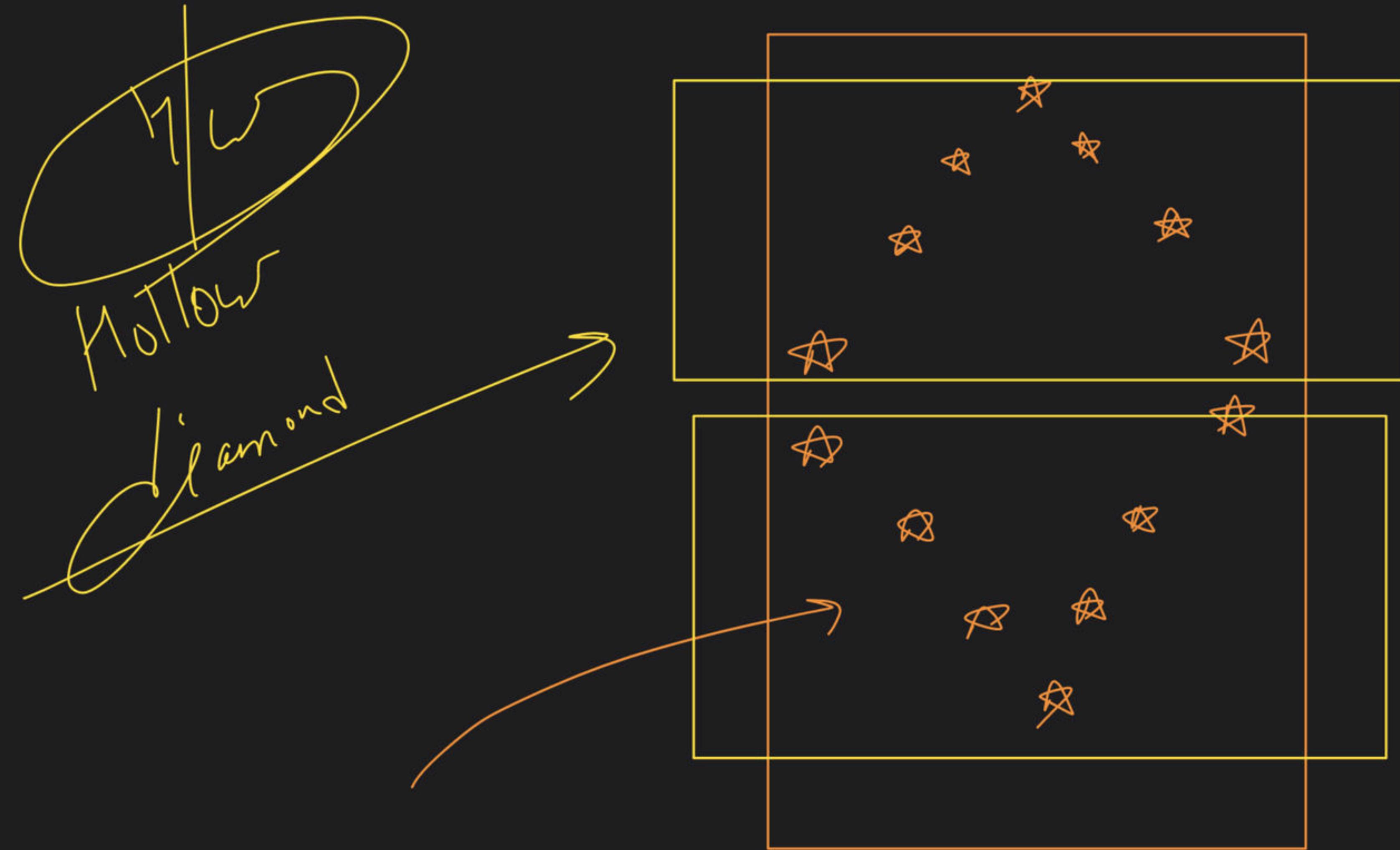
at $\rightarrow (\text{row} + 1) - 1$

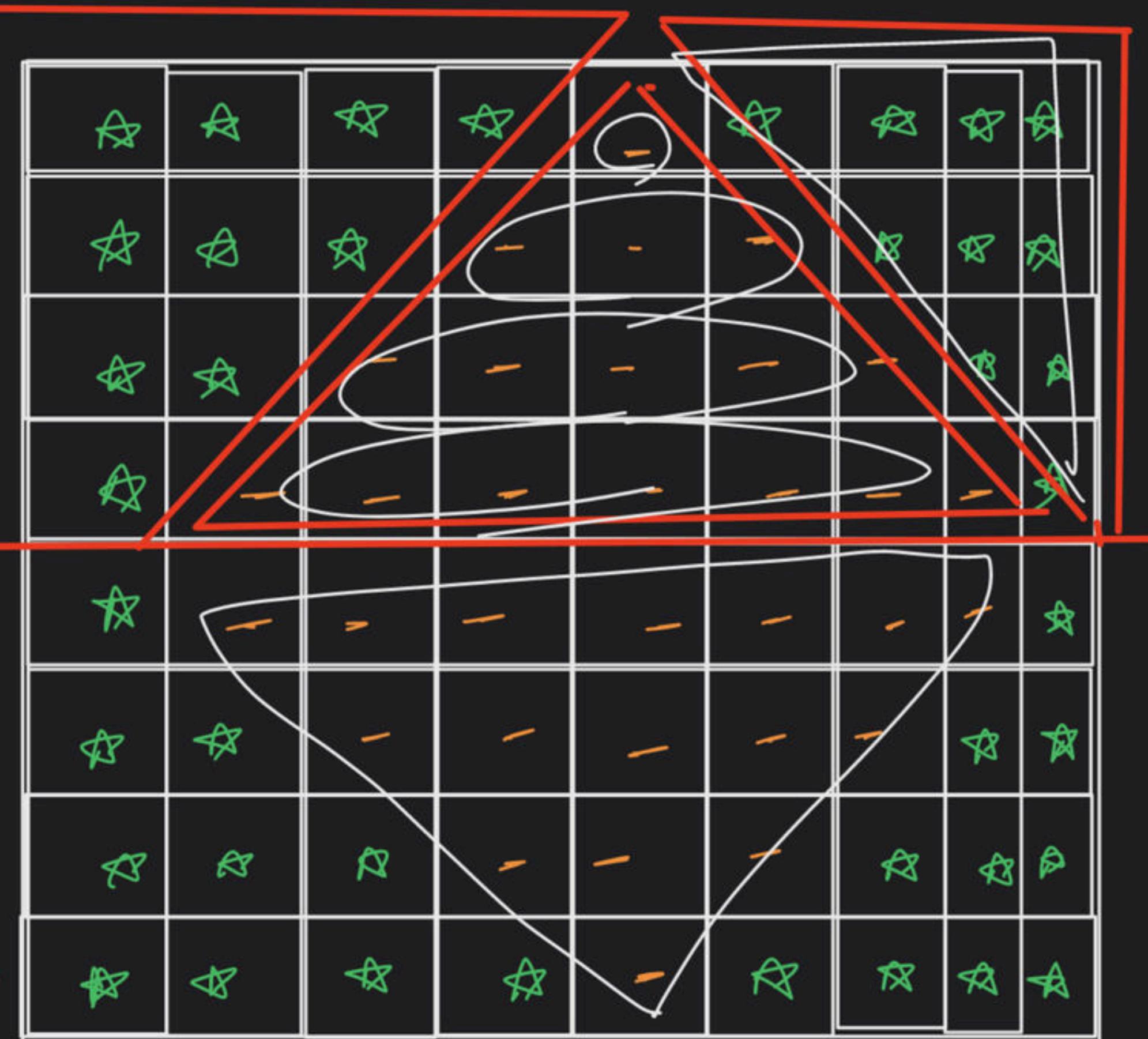
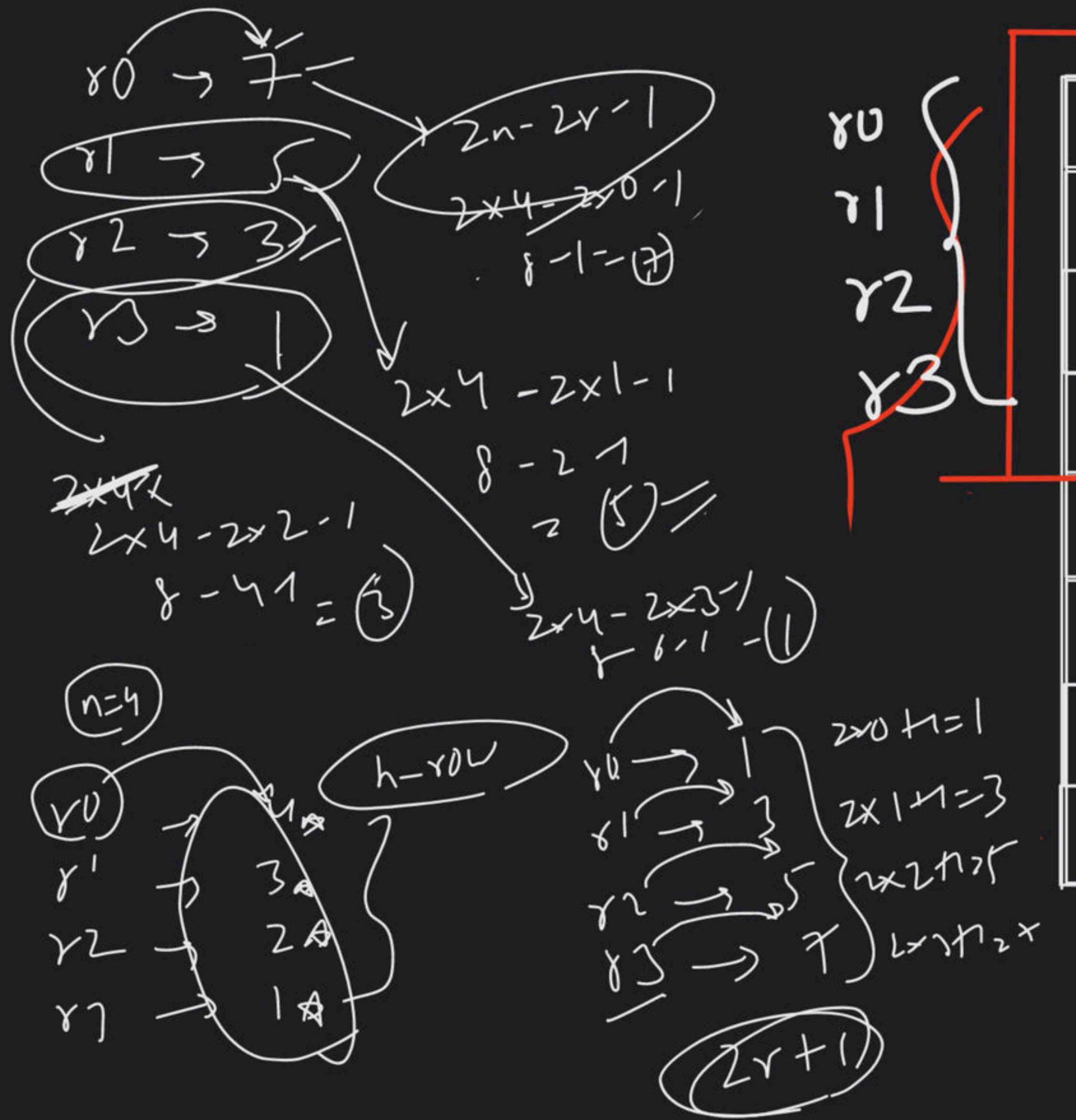
$\text{row} + 1 - 1$

row







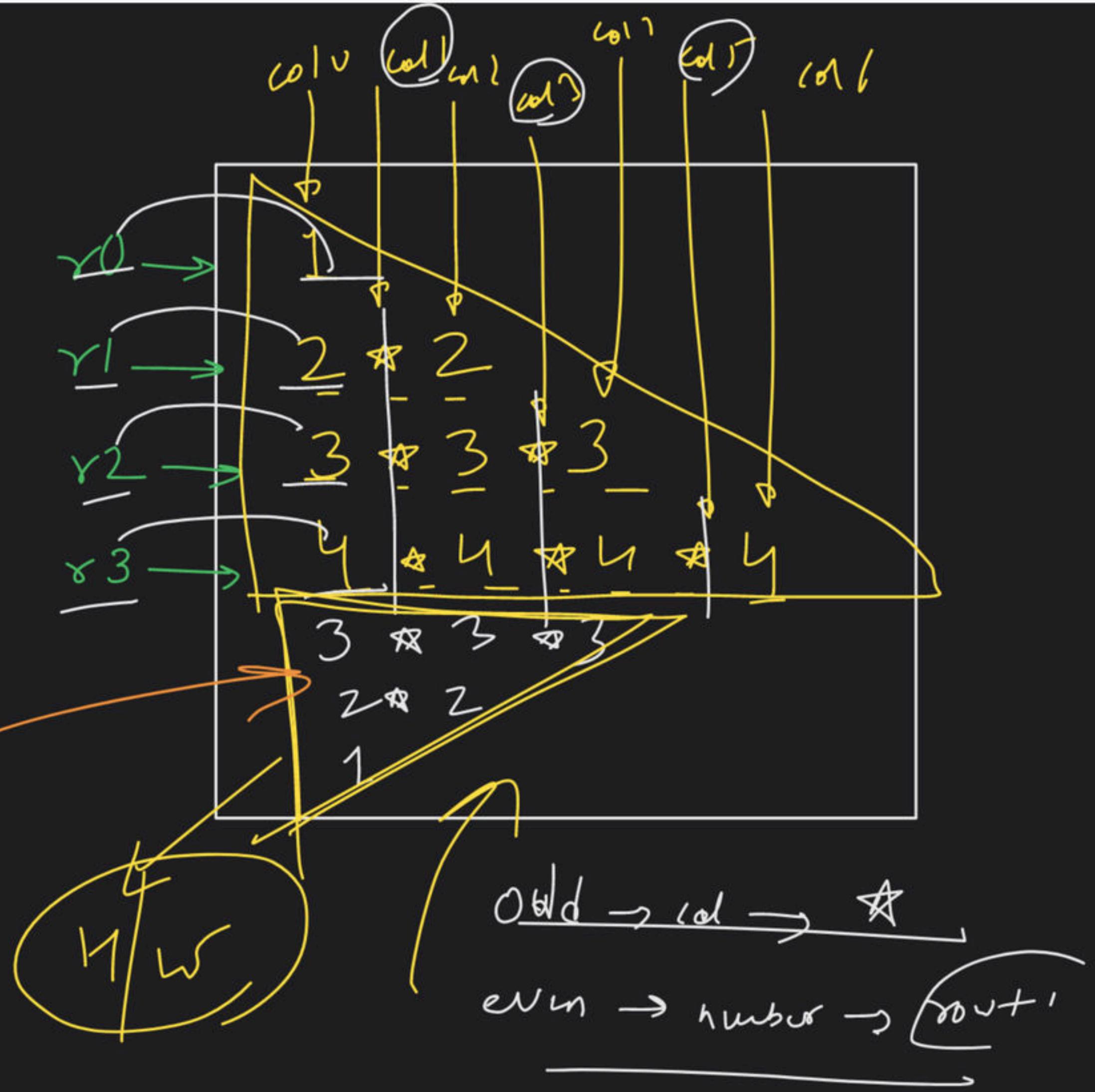
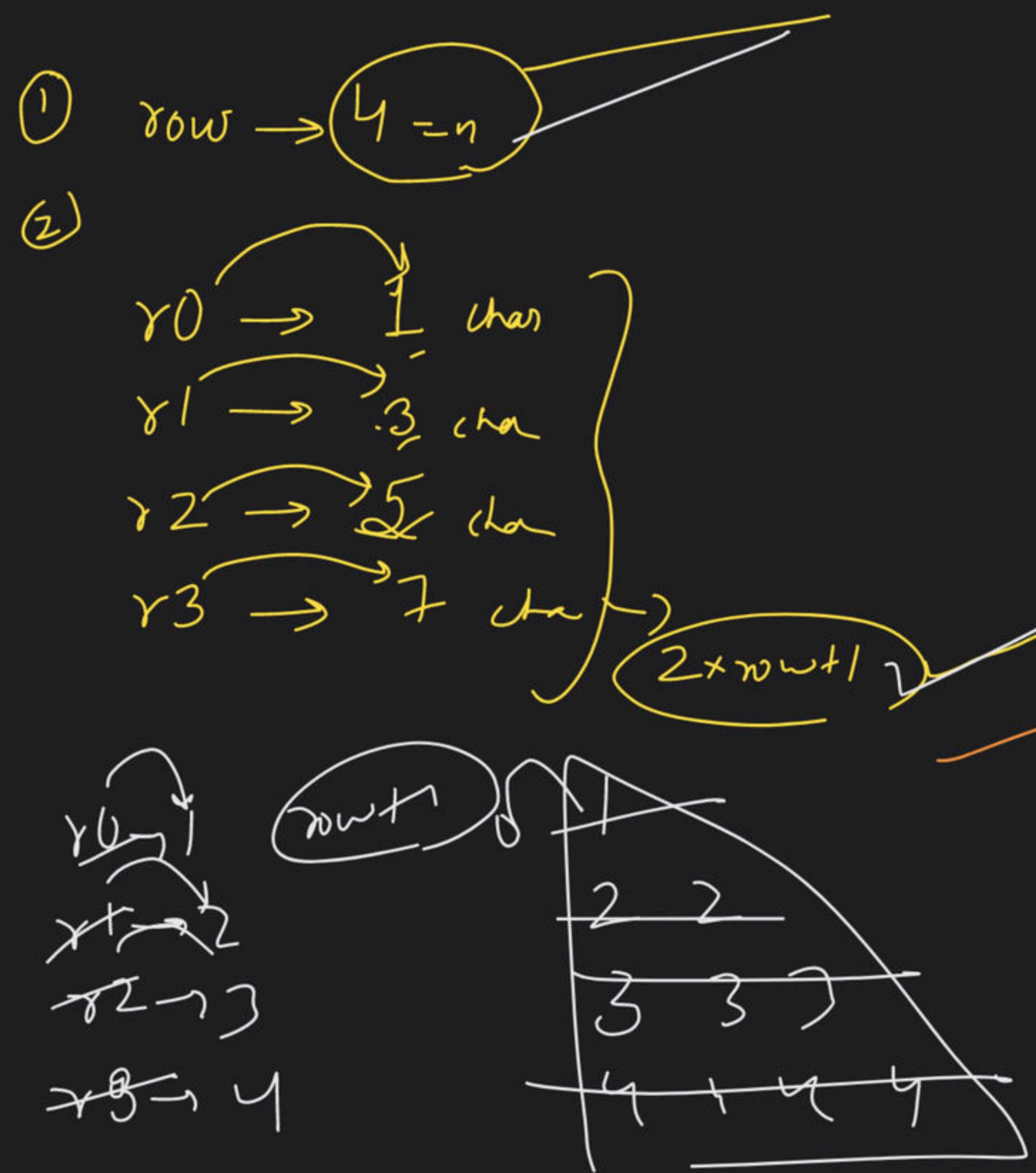




doubts

TAs

doubt form

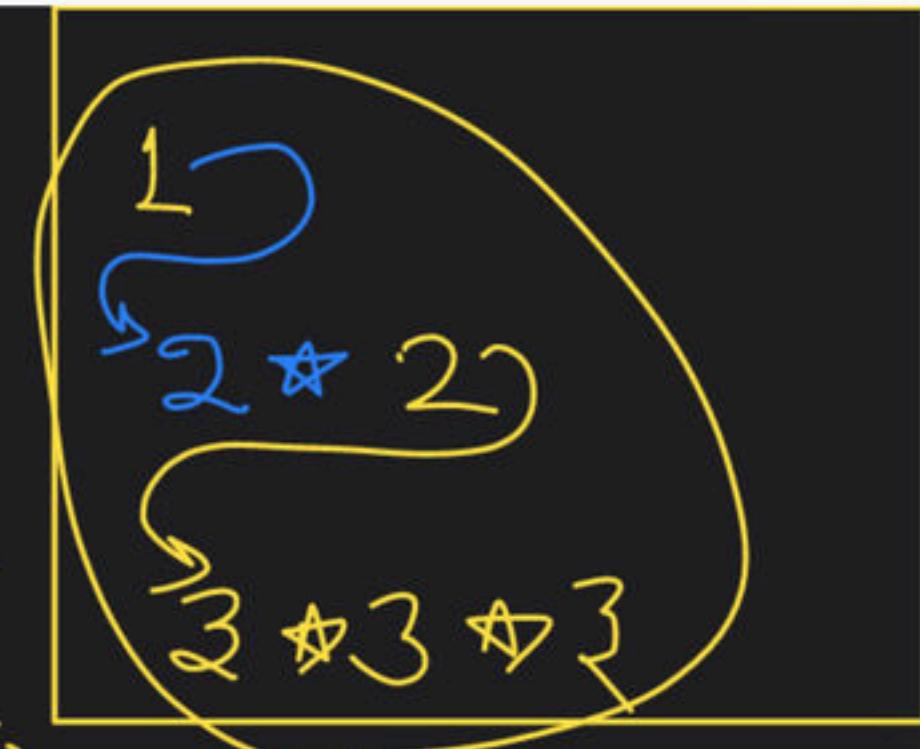


```

for (int row = 0; row < n; row = row + 1)
{
    for (int col = 0; col < 2 * row + 1; col = col + 1)
    {
        if ((col + 1) % 2 == 1)
            cout << "X";
        else
            cout << " ";
    }
    cout << endl;
}

```

$$\text{Col} = \text{Col} + 1 \\ = 141 - 2$$



$$2 < 2 \times 1 + 1$$

$$2 \cdot 1 \cdot 2 = 4$$

$$(\omega = \omega + 1) \\ = 2 + 3$$

$$\exists <_2 \times 1 +$$

$$\omega = \omega^\perp |$$

$2 < 3 \rightarrow \underline{\text{Time}}$

$$0.1 \cdot 2 = -1 \text{ F}$$

$\theta = 1$

$$\cot = 2$$

$$401 = 3$$

لما - ۴

4

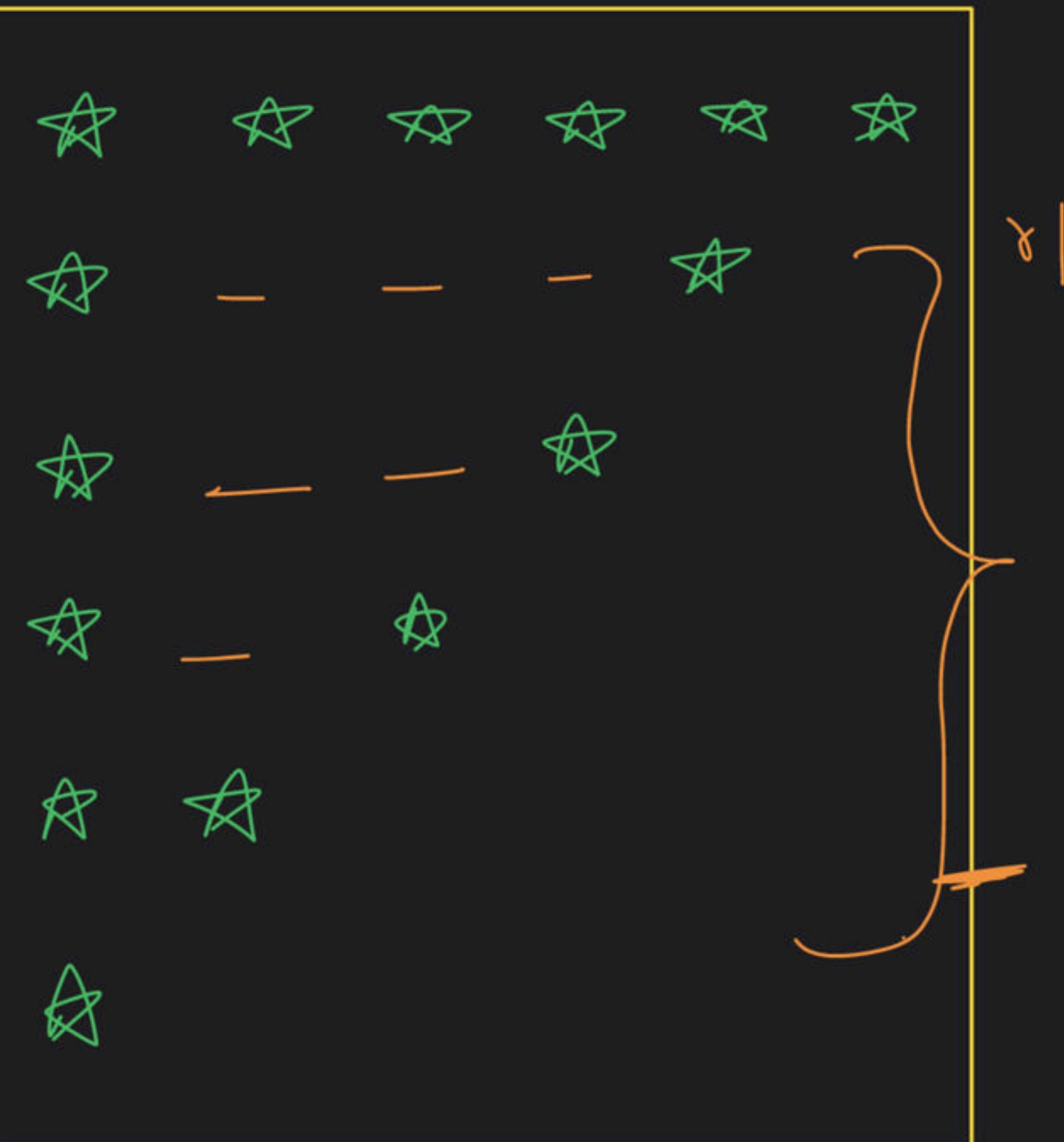
1<2x>+1

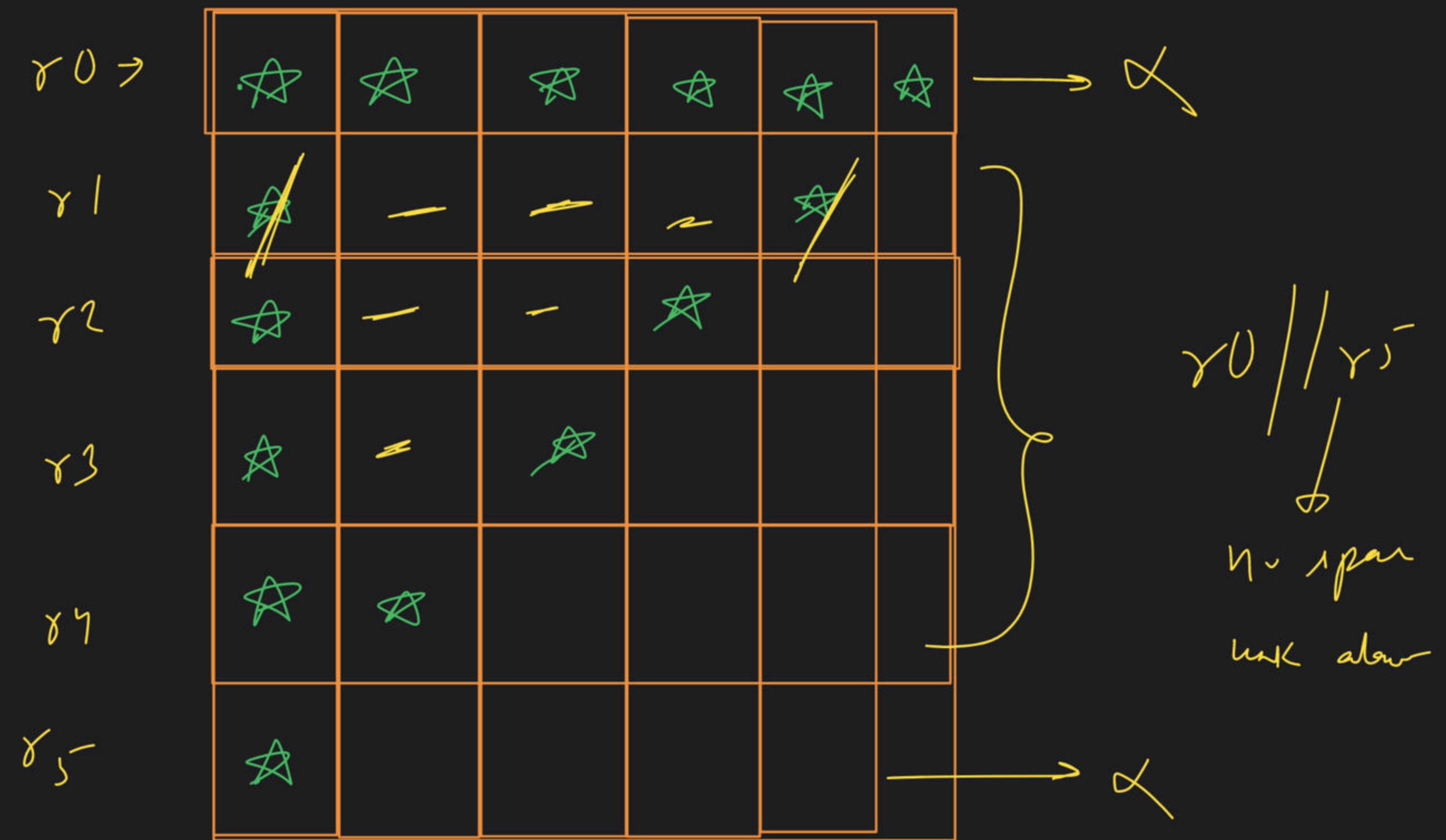
• $\leftarrow \leftarrow \rightarrow \rightarrow$ f

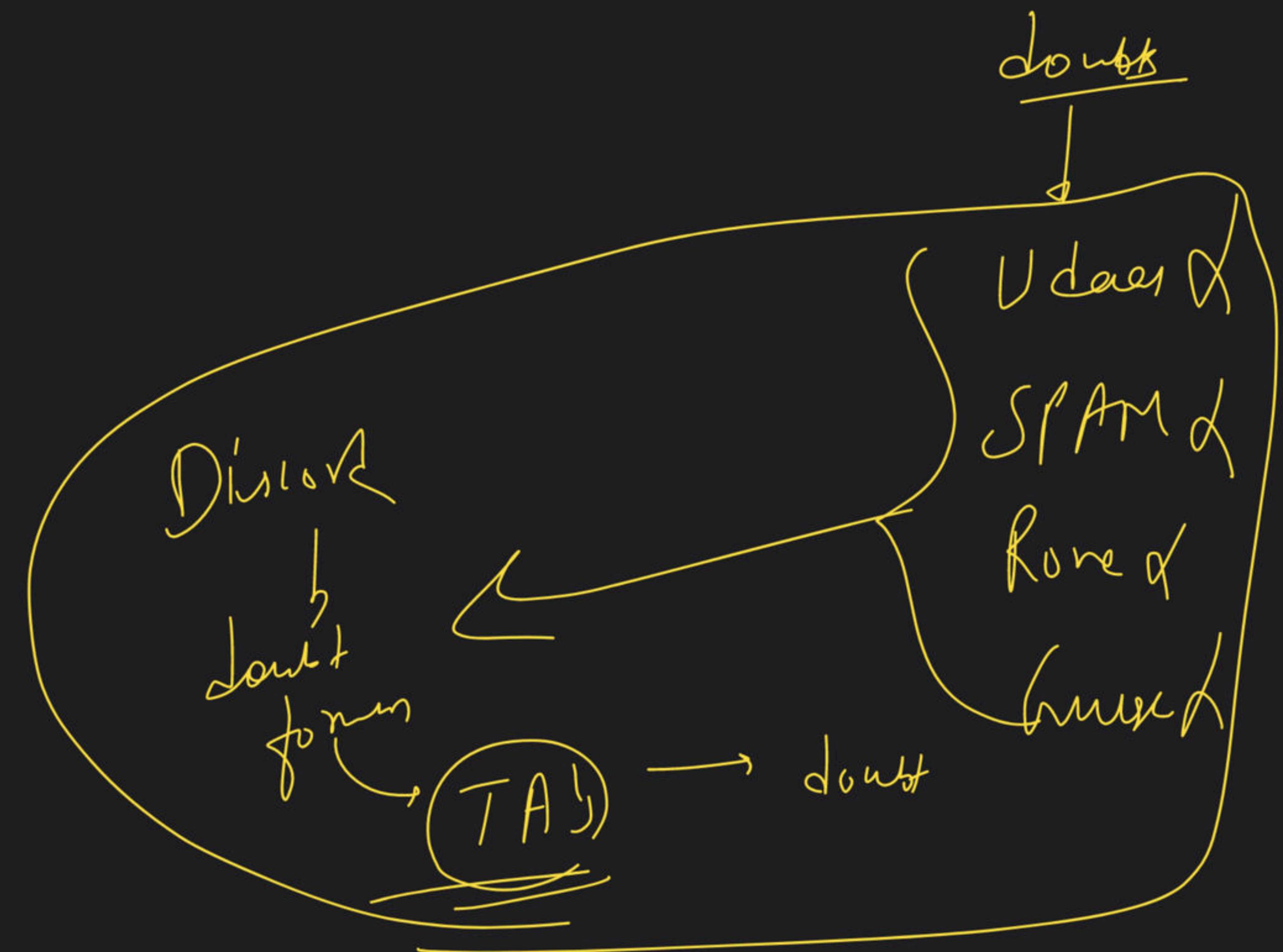
now = 24

3-12

$$3 < 7 \rightarrow \text{True}$$





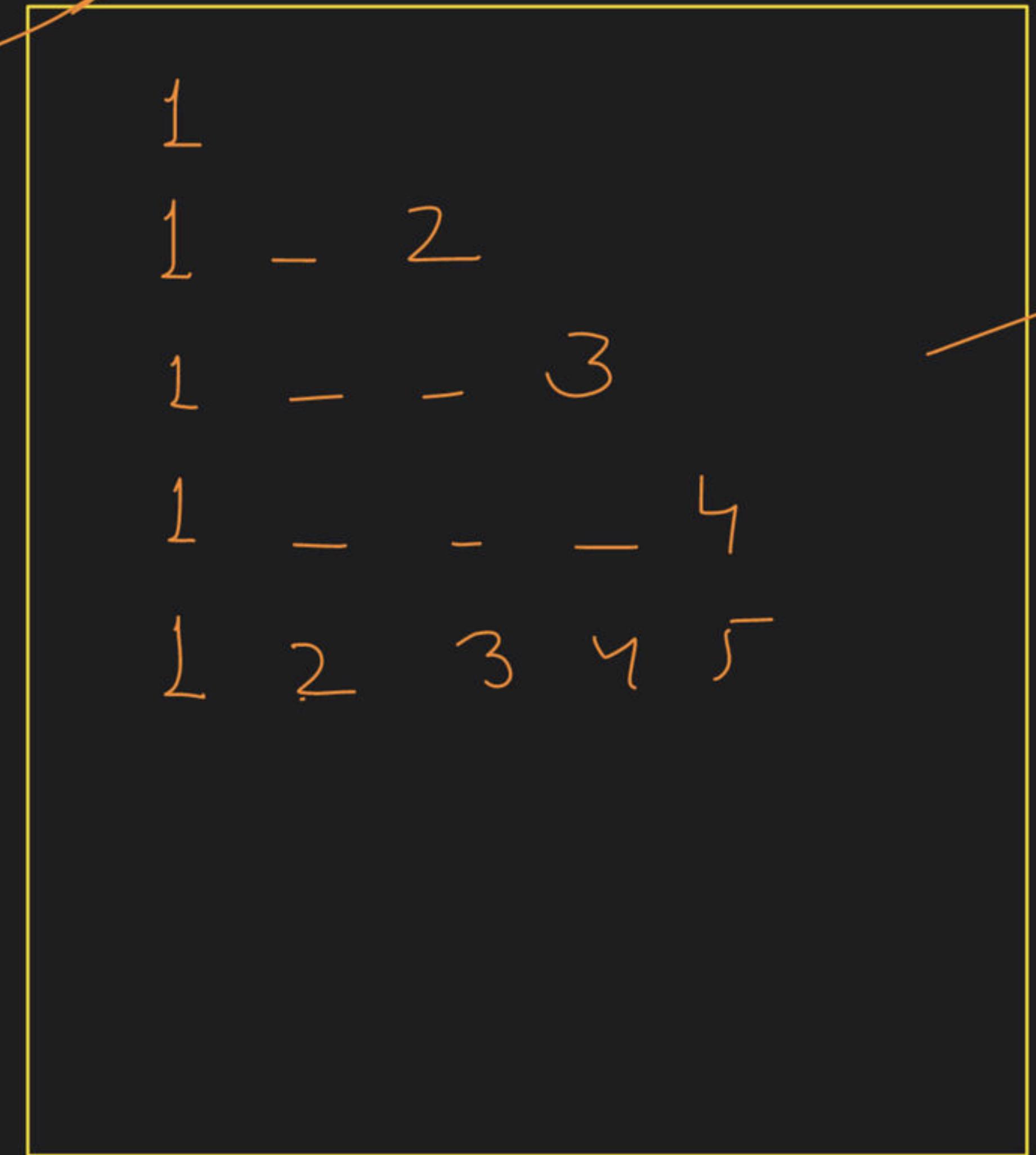


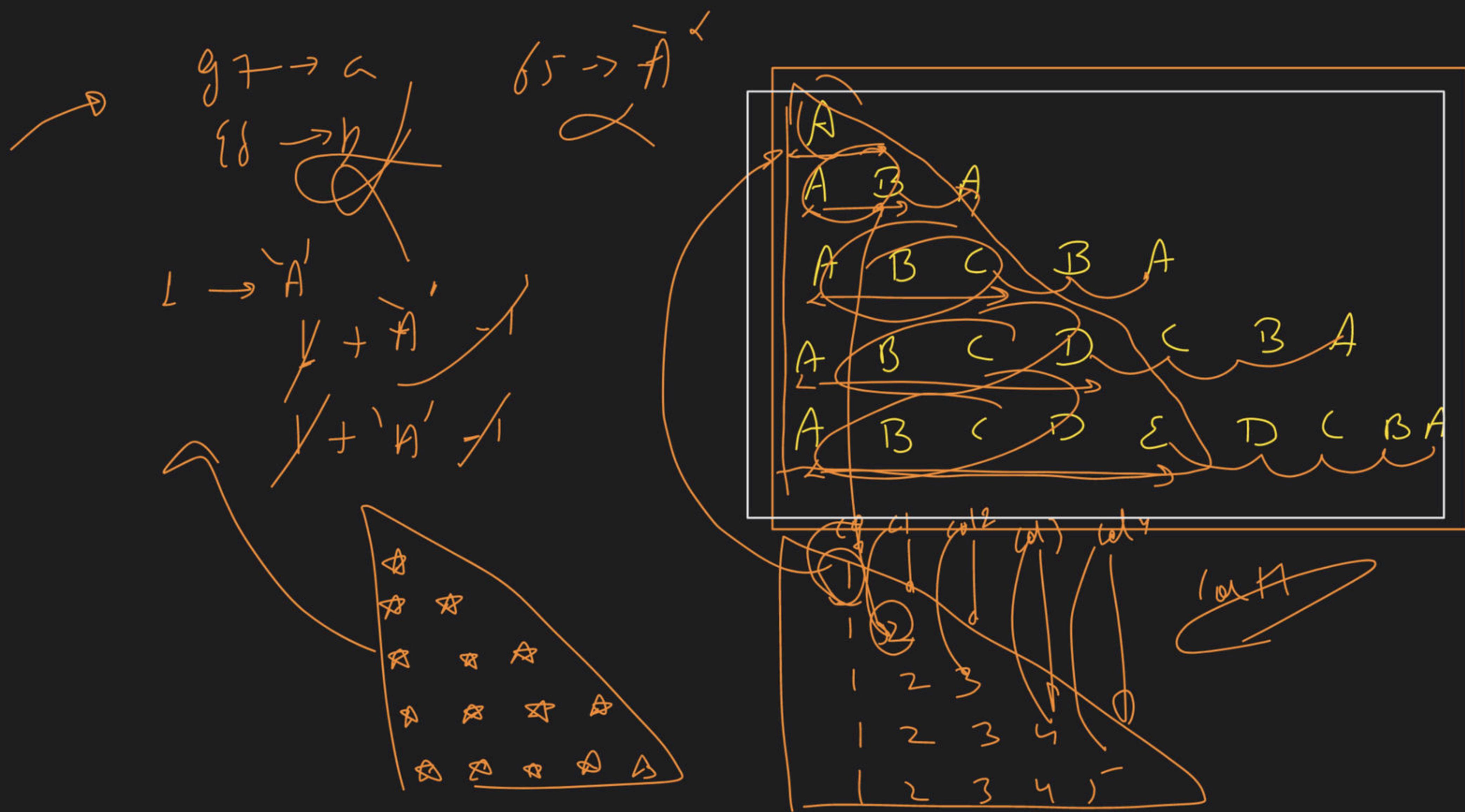
γ/ω

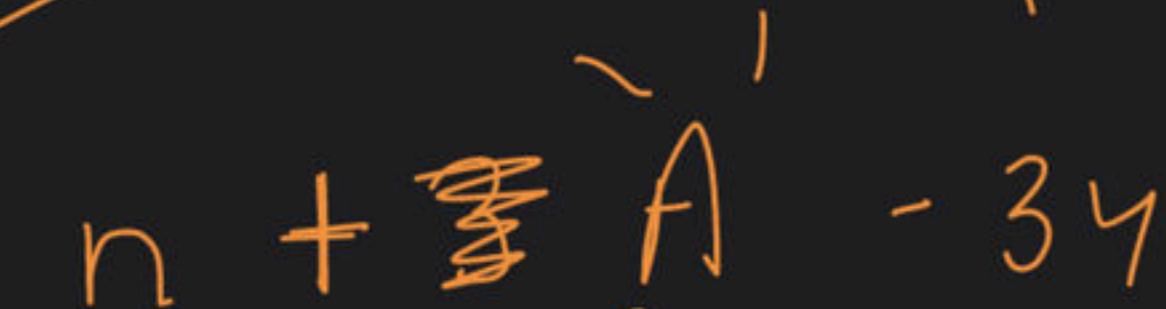
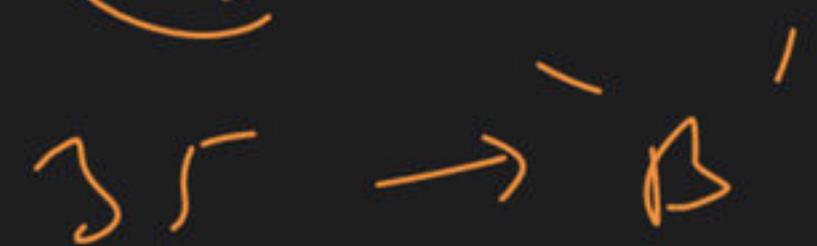
ω_{min}

ω_{min}

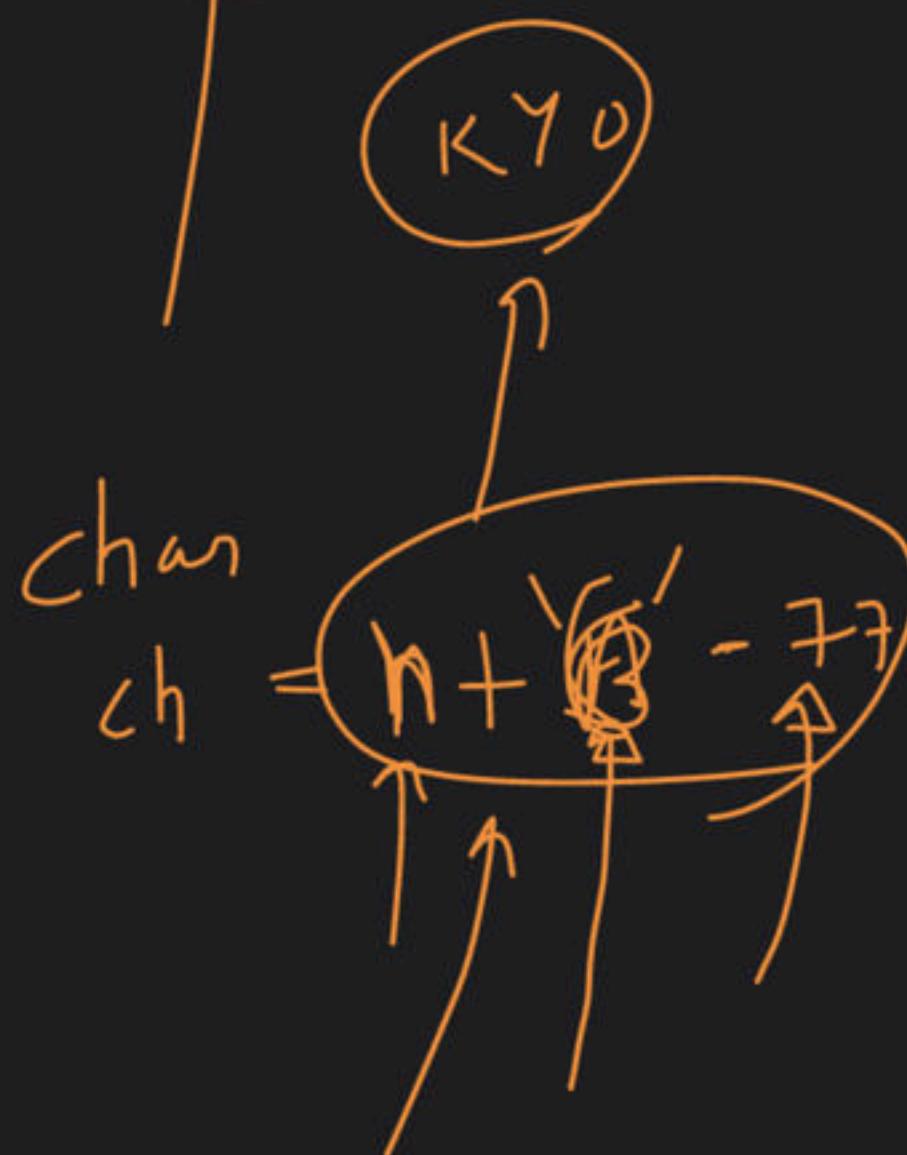
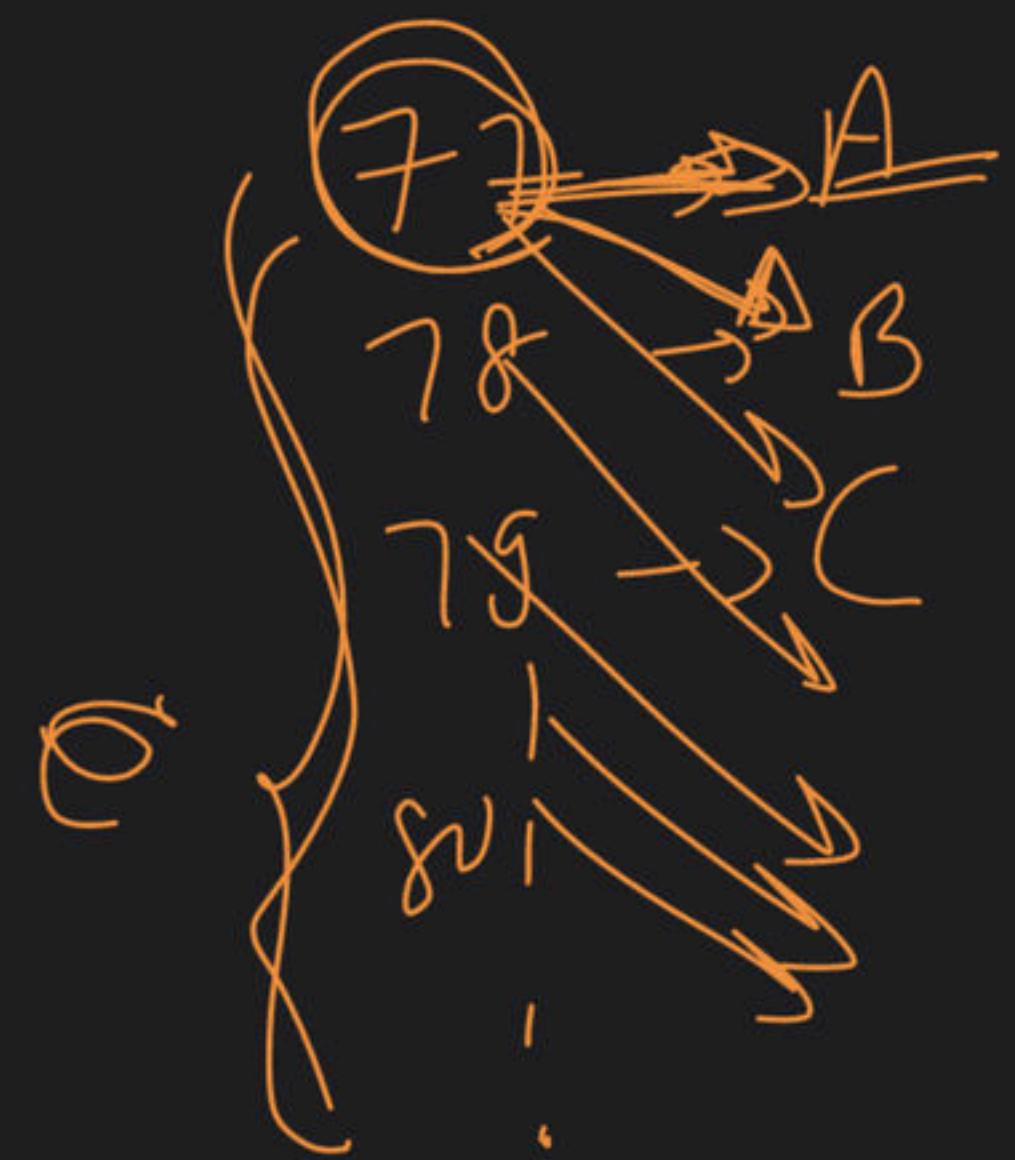
1 - 2
1 - - 3
1 - - - 4
1 2 3 4 5



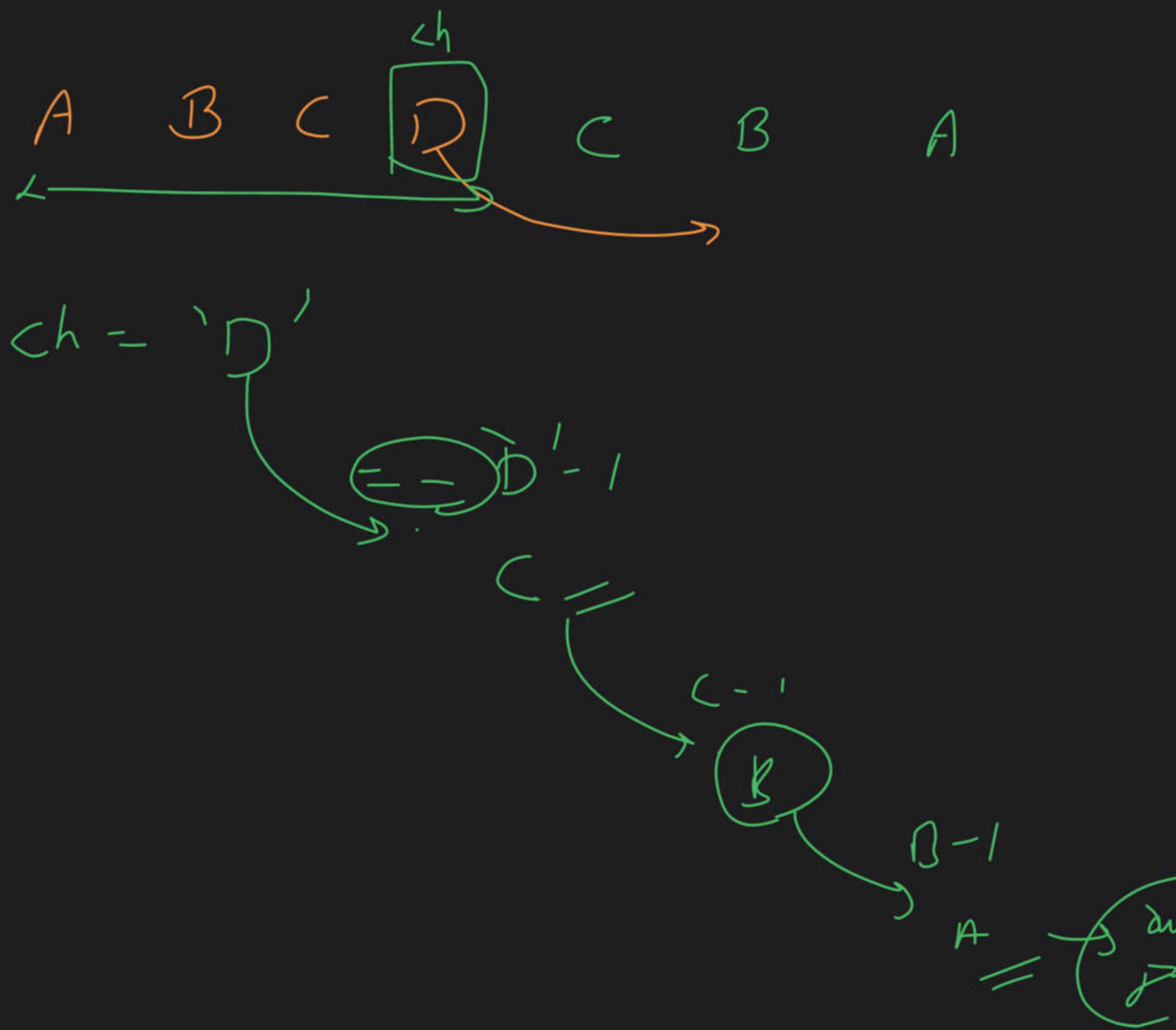




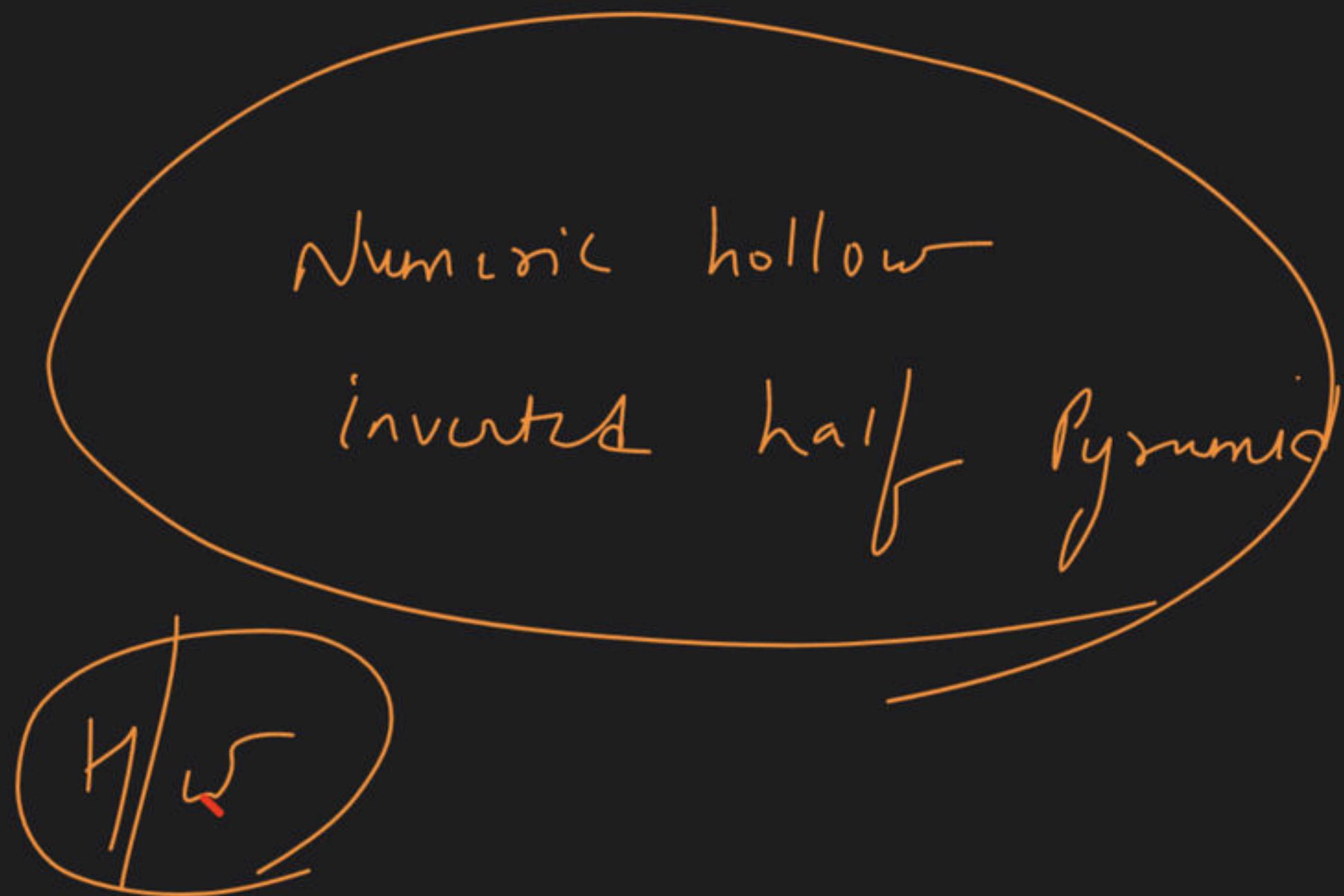
77 $\xrightarrow{\text{hnb}}$



KYD



	1	2	3	4	5
2	-	-	5		
3	-	5			
	4	5			
	5				



Numeric Palindrome Equilateral Pyramid

<table border="1"><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr><tr><td>4</td><td>3</td><td>2</td><td>1</td><td></td></tr><tr><td>3</td><td>2</td><td>1</td><td></td><td></td></tr><tr><td>2</td><td>1</td><td></td><td></td><td></td></tr><tr><td>1</td><td></td><td></td><td></td><td></td></tr></table>	1	2	3	4	5	4	3	2	1		3	2	1			2	1				1					<table border="1"><tr><td>L</td><td>2</td><td>3</td><td>4</td><td>5</td></tr><tr><td>4</td><td>3</td><td>2</td><td>1</td><td></td></tr><tr><td>3</td><td>2</td><td>1</td><td></td><td></td></tr><tr><td>2</td><td>1</td><td></td><td></td><td></td></tr><tr><td>1</td><td></td><td></td><td></td><td></td></tr></table>	L	2	3	4	5	4	3	2	1		3	2	1			2	1				1					<p>11111</p>
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4	3	2	1																																																	
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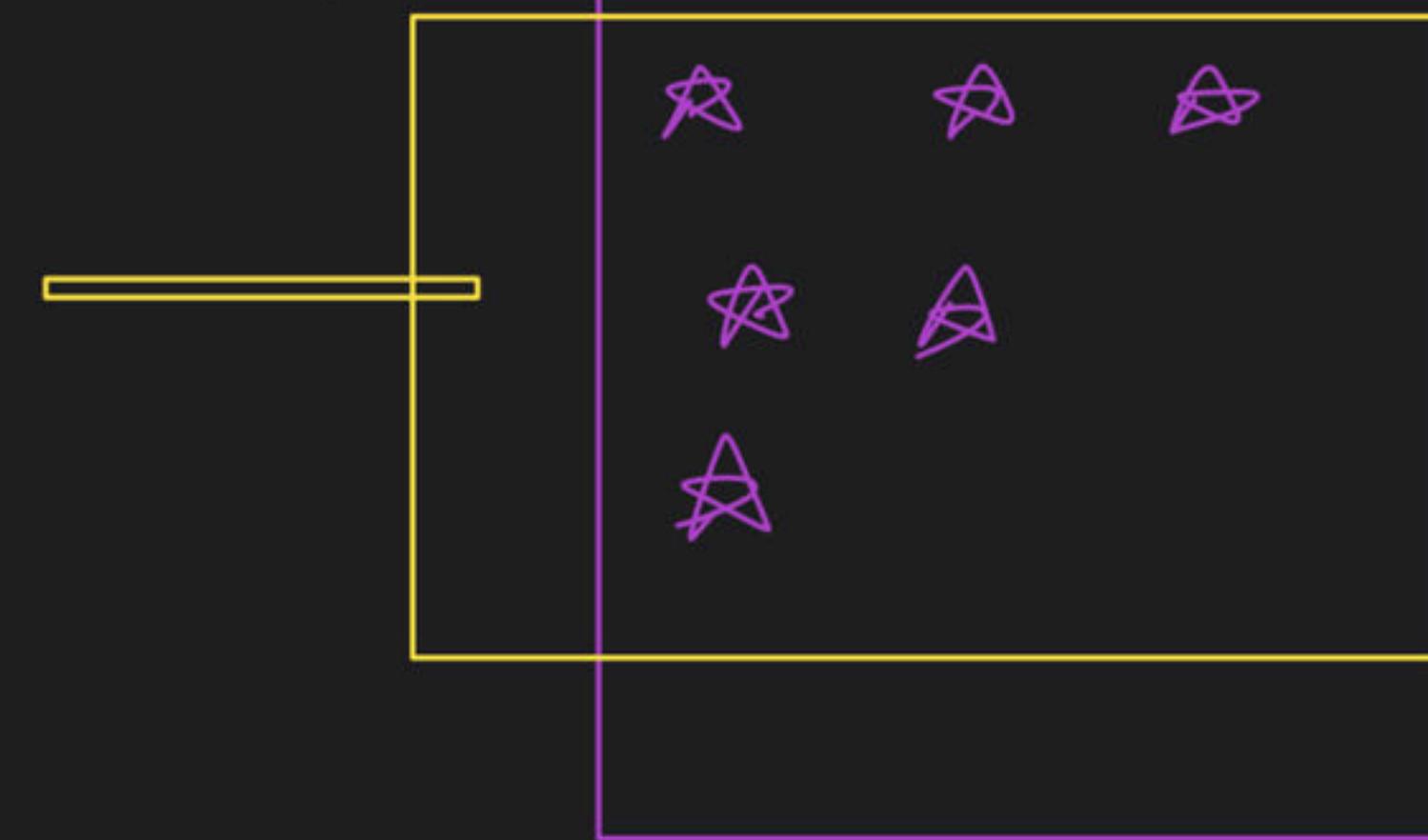


$$n=5$$

$$2 \times 1 - 6 - 2 / n - y - 2$$

$$2 \times 5 - 1 - 2 / 10 - 3 \cdot y$$

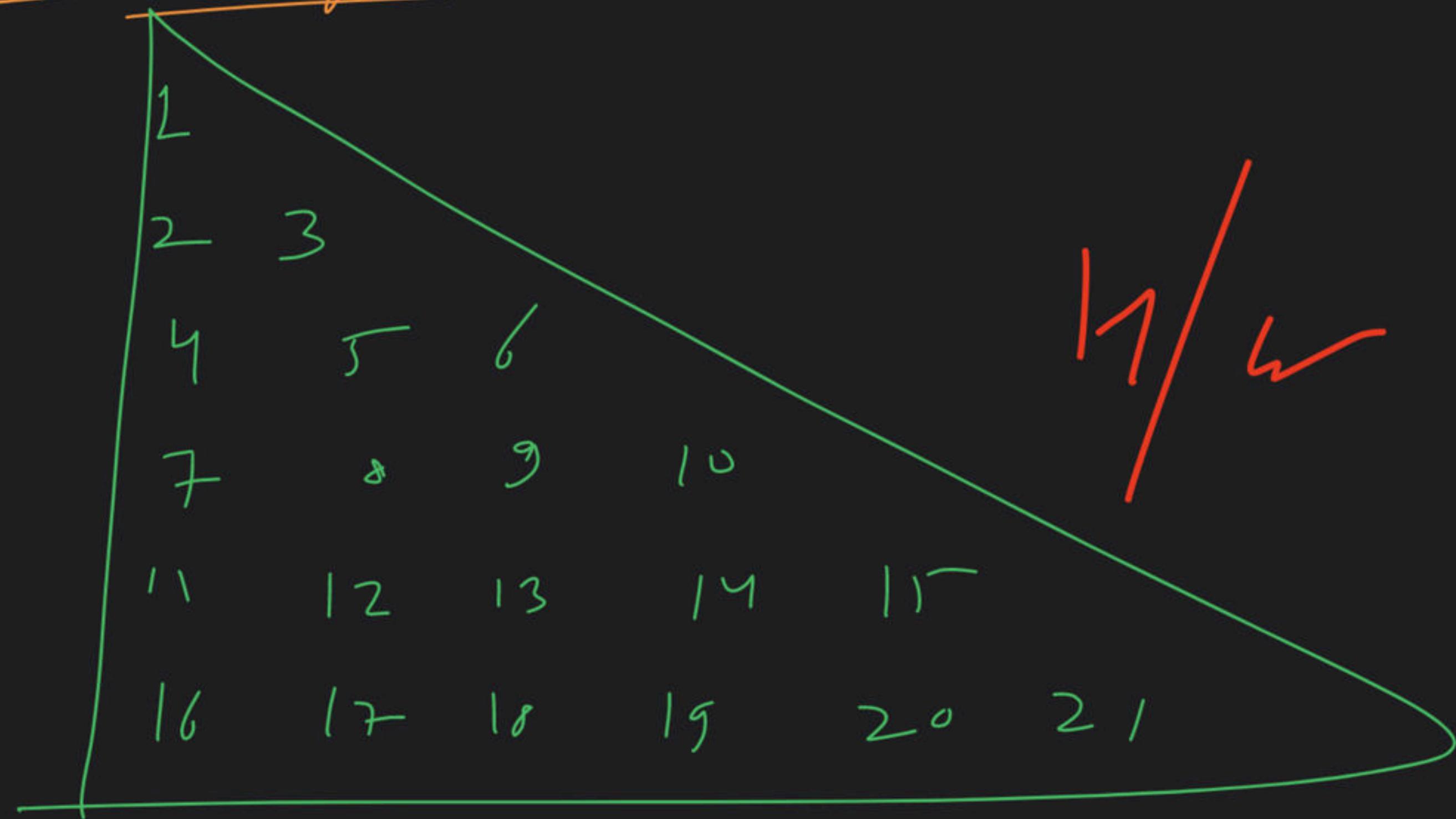
Solid
Half Diamond



H/W



Floyd's triangle



→ Butterfly

$$\gamma_0 \rightarrow 6 \quad 2x^n - 2 - 2$$
$$Y_1 \rightarrow 4$$
$$\gamma_2 \rightarrow 2 \quad 2x^4 - 4 - 2$$
$$\gamma_3 \rightarrow 0 \quad 2x^4 - 6 - 2$$
$$n=4 \quad \longrightarrow 6$$
$$\gamma=0 \quad \longrightarrow$$
$$2^{n-2\gamma} - 2$$
$$8 - 0 - 2 = 6$$

Pattern



~~doubts~~

~~doubts~~

~~Dinobird~~

~~TA's tear~~

Possibly

~~Friday~~

~~Sat Sun~~

~~1-3 pm~~