

Pattern 5:

→ 1
→ 2 2

3 3 3

4 4 4 4

5 5 5 5 5

row

→ $n=5$, $row=1 \rightarrow 5$
↓
 $col=1 \rightarrow row$

→ Print (row)
again & again

(Printing row and moving
with the help of column)

*
* *
* * *
* * * *

Pattern 6 :-

while (row \leq 5) {

int col = 1;

while (col \leq row) {

cout << col;

col++;

cout << endl; row++; }

1 \leftarrow row = 1

1 2 \leftarrow row = 2

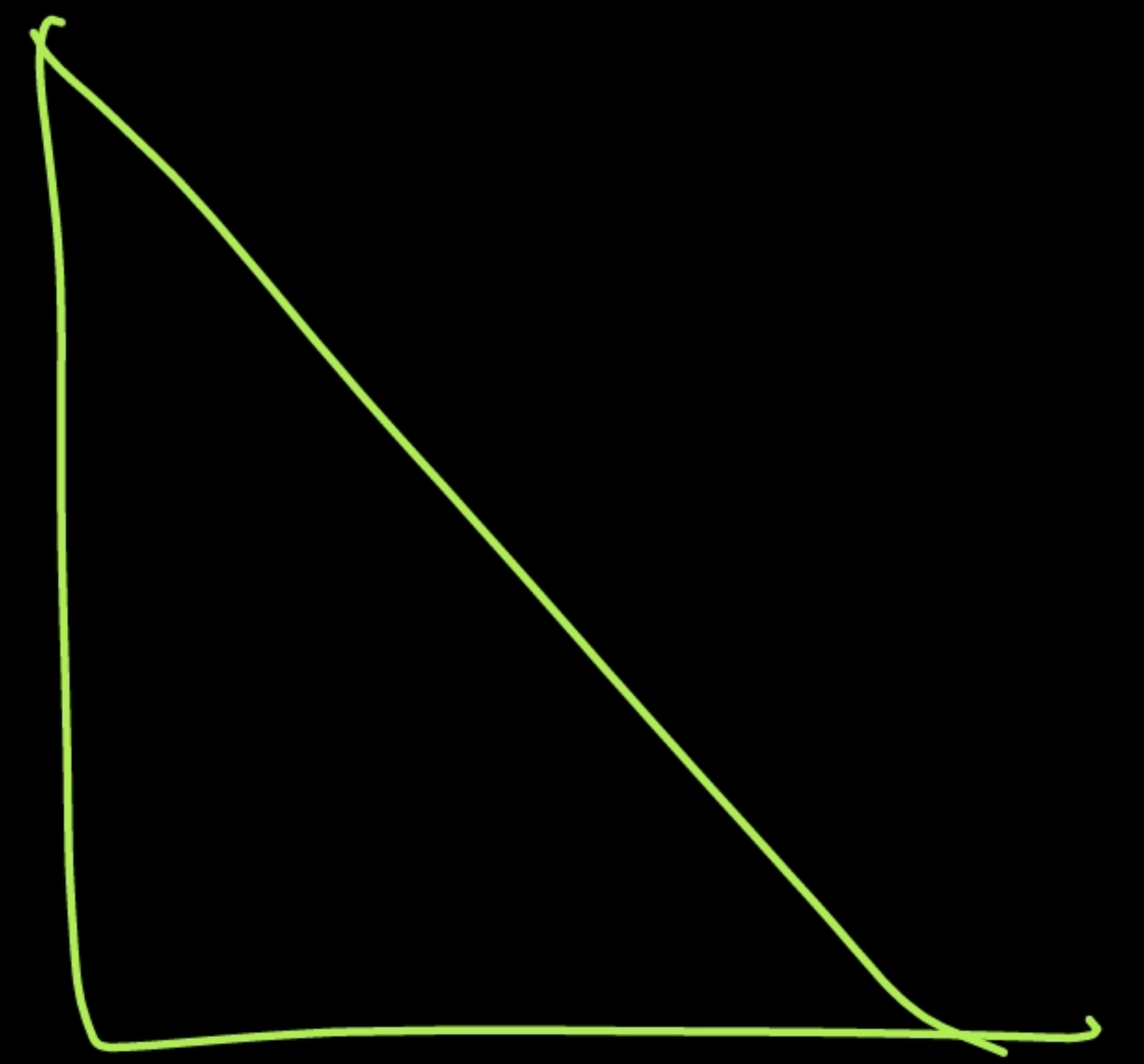
1 2 3

1 2 3 4

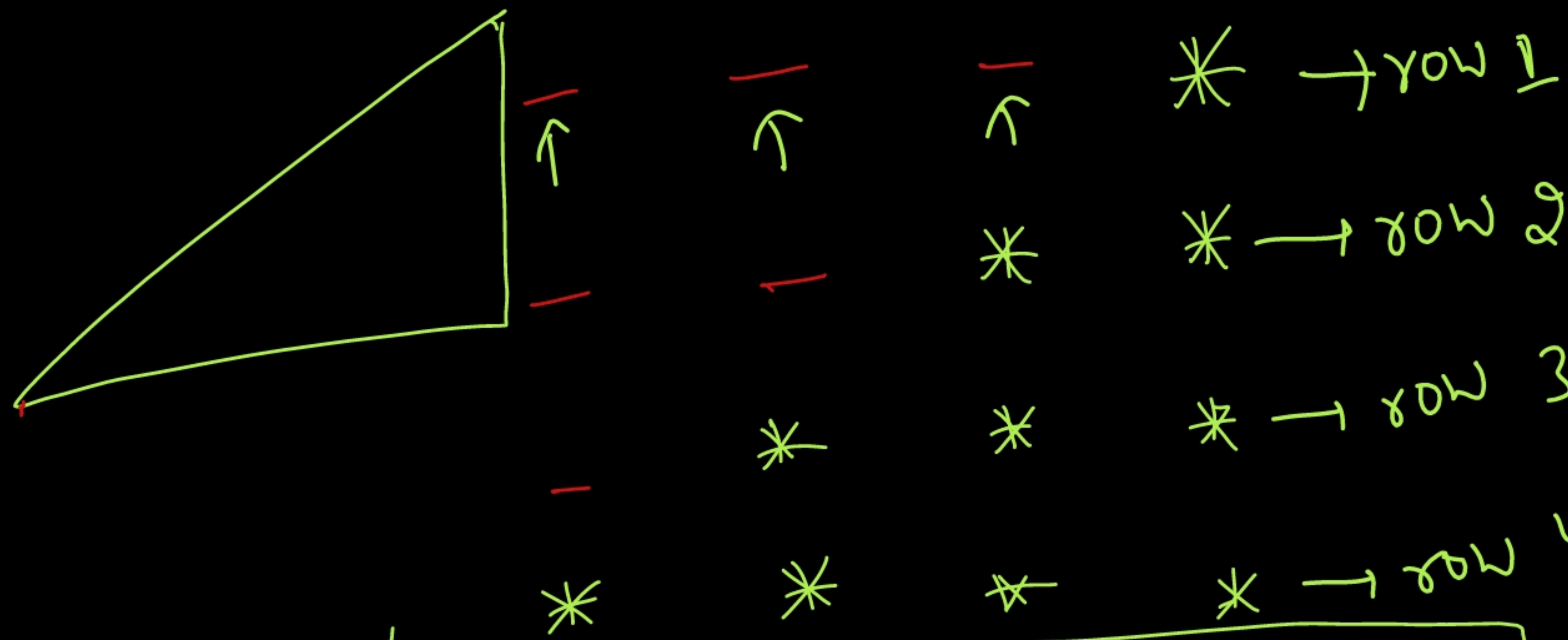
1 2 3 4 5

\leftarrow row = 5

col = 1, 2, 3, 4, 5



while (1) ✓



\rightarrow Red color \rightarrow blank space

\rightarrow * \rightarrow Green colors

\rightarrow n - Rows

\downarrow
 Star \rightarrow n
 spaces \rightarrow n - rows

$n = 4$; $row = 1$;
 1 \rightarrow while (row \leq n) {

2 \rightarrow int space = n - row;

3 \rightarrow while (space > 0) {

4 \rightarrow cout << " ";

5 \rightarrow space--;

11 \leftarrow system.out.println(); int star = 1;

12 \leftarrow row++;

while (star <= row) {

9 \leftarrow cout << "*";

10 \leftarrow star++;

Space

+

Star = n

\Rightarrow Space = n - Stars

Space = n - rows

Day Run

(space + star = n)

spaces = n - stars

(space = n - rows)

Row	Spaces	Stars
1	3	1
2	2	2
3	1	3
4	0	4

