dues. Print n stores "*"

N= 5

* * * * *

N = 3

* * *

for (int i=1; i <= N; i++) &

S.O.P ("*");

2

N=5

Quit

```
for ("int i = 1; i \le N; i + 1) i = 12345

S. O.P ("**); =) 5 times
```

for (int
$$i=1$$
; $i < N$; $i++$) $\{i=1,234\}$
 $\{i=1,234\}$
 $\{i=1,234\}$
 $\{i=1,234\}$

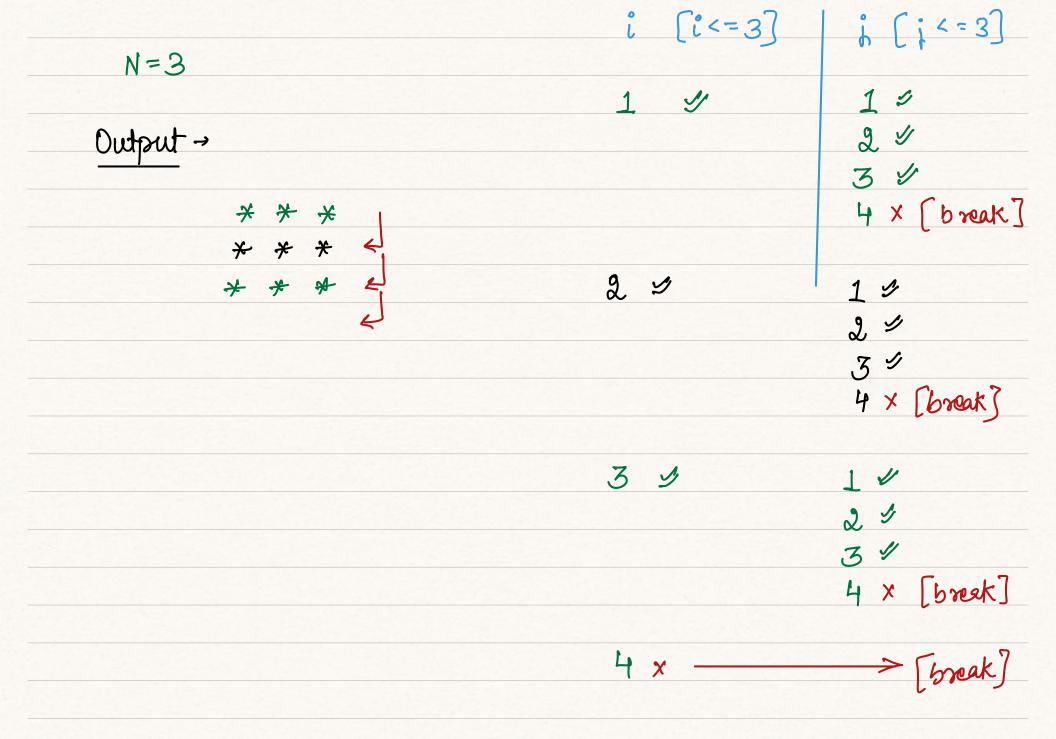
N=5

for (int
$$i = 0$$
; $i = N$; $i + 1$) $i = 0$ 12345
 \times S:0.P ("*"); \Rightarrow 6 Himes

Bull. Print a squere 3 K3 N = 3N=5 * Hello -> N times [qow] for (int i=1; i <= N; i++) & // Point N stors for (int;=1; ; ==N; ; ++) } S.O.P ("*"),

Z

S.O.Pm(); // go to the next line



Point the following stain care pattern

N=3

*

N=5

*

*

* * * *

* * * * *

now

stars

count of store = now

```
for (int 900 = 1; 800 <= n; 900++) {

// Print star = 800

for (int star = i; 8tar <= 900; 8tar ++) {

S.O.P ("*");

3

S.O.P (();
```

Show [now < = 4] N = 4 $1 \quad \text{Improved} \quad \text{Improve$

| 3 4 | 1 [1<=3] = |
|-----|---------------------|
| | 2 [24=3] 4 |
| | 3 [3 <= 3] 1 |
| | 4 [4 < = 3] x break |
| | |
| 44 | 1 [12=4] 1 |
| | 2 [2 = 4] 4 |
| | 3 [3 <= 474 |
| | 4 (4 < = 47 × |
| | 5 [5<=4] * break |
| | |
| 5 — | > break |
| | |
| | |
| | |
| | |

Point a rectangle (nous) N = 3 (count of stry) In each row M = 4 N = 2 int N = scy. next Int (); int M = Scu. next Int (); // N sows for (int 2000=1; 2000 <= N; 2000++) }

| // Print M stors | | 34 |
|---|-------|-----------|
| for (int star =); star <= M; star + +) { | | 45 |
| S. O.P ("*); | | 5x break |
| <u> </u> | 0 .// | 0 .4 |
| 3 | 2 🗸 | 1 4 |
| S.O.Plu(); | | 2 4 |
| 2 | | 34 |
| | | 44 |
| N = 2 $M = 4$ | | 5 x breek |
| | 3 x - | break |
| * * * * | | |
| * * * * | | |
| | | |
| | | |
| | | |

Over reversed staircase pattern N=3 N= 5 ston 1 * * * ** * * * 3 => 4 2 * * 2 = 4 米 米 米 米 1 =) Y X X (N+1) # * ·*

row + stars = N+1 3) stars = (NH - 80W)

stars now | 4 [5-1] => 5 | 3 [5-2] => 5 | 2 [5-3] => 5 2 * * 3 * * 1 [5-47 =) 5

N = 4

[N+1-20W] (NH)

| for (int row=1; row2= N; row++) { | (2007=3) | 72 (4-20W) | Star (Star C= 21) |
|--|--------------|---------------|--------------------|
| // Print star = (N+1-80W) | 1 4 | 3 | 1 4 |
| int $x = N+1-row$; // fotal stars for (int star=1; star $\leq = \infty$; star++)? $S \cdot 0 \cdot P$ ("**"); | | | 3 & false) |
| 3 5.0.Ph(); | 2 4 | 2 | 1 4 |
| 3 (N=3) | | | 2 / 3 (falk) |
| * * * * * * * * * * * * * * * * * * * | 34 | 1 | 1 4 |
| * | у ж <i>—</i> | | 2 (false) → break |

(4) -1

3

Point the following pottern N=3 N=5 * - - - -* - * 2 7 --- * * * * - * * X Spaces now 1 4 [5-1] ⇒ 5 3 [5-2] => 5 how + spaces = N 1 2 (5-3) => 5 1 (5-4) =) 0 [5-5] => 5 N-row] N

In one row > 1 * spaces [N-row] 1 * Loop

```
for (int now = 1; now < = N; now ++) ?
      S.O.P ("+");
/ Print (N-row) spaces (-)

- for (int space = 1; space <= (N-row); space ++)?

S.O.P ("-");
     S. O.P ("*");
                                       2000 [2000<=3] Space <=3-200)
    S. D. Plu ();
                                                      1 [1=2]
                                                      2 [24=2] 4
                                                      3 [34-2] (break)
N=3
                                        2 1
                                                      1 [12=1]4
                                                      2 [2<=17 (break)
```

Ques.

Point the following pattern

| N= | 1 | | | | |
|----|---|---|---|---|--|
| | 1 | 2 | 3 | 4 | |
| 1 | ¥ | 1 | | | |
| 2 | + | 2 | | | |
| 3 | * | 2 | > | 1 | |
| 4 | * | 2 | 7 | 4 | |
| | | | | | |
| | | | | | |

| N=7 | - 1 | 2 | _ 3 | 3 4 | 5 | 6 | , , |) |
|-----|-----|------|-----|-----|--------------|---|-----|---|
| | | | | | | | | |
| 1 | * | 1 | | | | | | |
| 2 | * | 2 | | | | | | |
| 3 | * | 2 | × | V | | | | |
| 4 | ¥ | 2 | * | 4 | | | | |
| 5 | * | 2 | * | 4 | * | V | | |
| 6 | * | 2 | * | 4 | 3 — | 6 | | |
| 7 | * | or . | 30 | 4 | } | 6 | * | |

2 2 Stars = 7000 3 3 4 4

for (int row = 1; row = n; row+) {

for (int star = 1; star <= row; star+) of

| if $(star \%2 == 0)$? | row | star |
|------------------------|-----|------------------|
| S.O.P (star); | 19 | 1 [1 <= 1] V |
| selve q | | 2 [2<=1] [box |
| S.O.P ("x"); | | |
| 4 | 29 | 1 [1<=2] |
| <mark>፟</mark> | | 2 [2<=2]4 |
| | | 3 [3<=2] (breek) |

| S. O.P ln (); | 3 % | 1 [1<=3] 4 |
|---------------|-----|------------------|
| | | 2 [24=3] 4 |
| J | | 3[34=3]4 |
| | | 4[4 = 3] (break) |
| N=5 | | |
| * | 4/ | 1 [1<=4] |
| * 2 = | | 2 (2 = 4) 0 |
| * 2 * | | 3 (34=4)4 |
| * 2 * 4 6 | | 4 [4<=4] 4 |
| * 2 * 4 * • | | 5 [52=4] (brek) |
| | | |
| | 54 | 1[1<=5]= |
| | | 2 [2 = 5] 4 |
| | | 3 [34=5]4 |
| | | 4[46=5)4 |
| | | 5[54=5]4 |
| | | 6 [64=5] (break) |
| | | |

6 - break