Q: for Cint i=1; i = 10; i+=2) {
SOP(i)

3
Output: 1, 3, 5, 7, 9

S: Loop to point * n times

for (int i=1; $i \in N$; i++) \mathcal{E} SOP("*")

 $i^{2}l$; $i < N \Rightarrow [l, N-l] \Rightarrow N-l$ times $i^{2}0$; $i < N \Rightarrow [o, N-l] \Rightarrow N$ times

O: Given N. Print the following pattern.

for (int row: 1; row = N; row++) {

for (int col:1; col=N; col++) of

Sop("*");

```
3
Sopln();
 O: Given N, M. Print the following pattern.
     N=3, M=2 N=5, M=4
                 * * * *
      **
                 XXX
                 1 2 9 9
                R R R R
      for (int now = 1; now = N; now++) {
          for Cint col21; bol=M; col++) &
                  SOP(" * ");
    SollnO;
(-3,2) N M
                           Output
```

B: Given N. Print the following pattern.

$$N^2$$
 N^2 N^2

$$(N^{25})$$
 Rows Stars (N^{23}) R S
1 + 5 6 1 + 5 4
2 + 4 6 2 + 2 4
3 + 3 6 3 + 1 4
4 + 2 6
7 + 1

row + stars 2 N+1 Stars 2 N+1-row

for (int row = 1; row = N; row++) {
for (int col=1; col= N+1-row; col++) d

```
SOP("*");
SoplnU;
O: Given N. Print the following pattern.
  N2 4
    for (int now : 1; now = N; now++) {
        for Cint col21; lol= row; col++) &
              if ( 61/62 2 0) {
                  SOPC (OL);
              3 else £
               SOP(+);
3
Solln();
```

Break 10:15

```
5 - Break
                 N2 5
 X O A
                A A
 ROW Spaces (N=5)
for (int 2000 ≥ 1; 2000 = N; 2000++) €
      SOP(" * ");
     for Cint sp21; sp = N-row; sp++) 2
          SOP(" ");
    SOP("*");
    Softn();
```

O: Given N. Print the Pollowing.

for (int row= 1; row = N; row++) &

for Cint sp=1; sp = N-row; sp++) & SOP(" "); for (int st=1; $st \in row$; st++) { SOP ("*"); SOPLn()

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