Q1: Print N

for (int i=1; $i \leq N$; i++) $\delta = 0 \rightarrow N + 1$ $\delta \circ P("*"); \qquad 1 \rightarrow N$

Q2: Given N, print a square of *

Print all rows

for (int row = 0; row < N; row ++) {

Prin N stars in a row

for (int wl = 0; wl < N; wl ++) {

Sop ("*");

}

Sol In ();

93: Given N&M, print a rectayle of *

$$N^2 \mathcal{L}$$
 $M^2 \mathcal{J}$
 $M^2 \mathcal{J}$

for (int row 20; row < N; row ++) {

// Print M Stars in a row

for (int wl = 0; wl < M; wl ++) {

Sop ("*");

3

Sol In ();

Nested bops = bop Inside a bop

84: Given N, print staircase pattern

N= 4	N25	· N = 4	
*	A	Row	Stars
K R	# #	1	1
AAA	AAA	2	2
RRAA	# 9 9 \$	3	3
£	RAN AR	4	4
			80W

```
for (int now = 1; now = N; now++) &
       for (int col2/j col= row; col++) &
                   SOP(*);
  SOPINL);
Q5: Given N, print inverse staircase paltern
     N2 4
                    NOS
N24
        Row Star
                          YOW + Starz N+1
                          Star 2 N+1-80W
```

```
for (int row = 1; row = N; row++) &
        for (int col2/; col=N+1-row; col++) &
                   SOP(*);
   SOPIN L);
36: Given N, print the following pattern
    N= 5
                       N26
for (int now = 1; now = N; now++) &
        for ( int col'); col = row; col++) &
               if (col % 2 = 2 1) {
                  SOPC COL);
              3 else 2
                 SOP( *);
```

```
g
SOPIn W;
          Break 10:10pm
Q7: Given N, point the following pattern
              N2 4
  N2 5
 N-2 spaces
 # 00 #
              K O K
                          in each row
 A O O K
              K O O K
# 000 K
) space
  for (int row=1; now=N; row++) {
       SOP (A);
       for (int sp21; sp=N-2; sp++) &
              SOP( );
      SOP(#);
 Sopla();
```

YOW + Space 2 N Space 2 N- YOW

for (int 2000=1; 2000 € N; 2000++) &

Sop(*); for(int sp=1; sp = n-row; sp++) Sop();

```
SOP(n();
Q9: Given N, point the following pattern
  Nes
                  N 2 4
  N25 ROW
                  spaces stars
                  n-row
  row + spaces 2 N
  Spaces 2 N-row
     for (int 20 w = 1; row = N; row++) &
```

for (int sp=1; sp ≤ N-2000; sp ++) € Sop(); 3

for (int stal; st = row; st++) & SOP(*); Sopla();