```
N

In Every row: { Yow Priveasing }

Spaces Stars

[In ith yow space = // Space = {1-1}

In ith yow Star = // Star = d N-1+1)

N-(1-1)
1 Patter Printing
     N=2 1 2 2
   N=4 1 x x x x x 0 9 = 4-0
             2 - + 2 2 1 3 = 4-1

- - 2 2 2 · 4-2
                                                                         for (Pn+ P=1; Pd= N; P++){
                                                                       // Spam:

j=1; j = (P-1); j+1) {

| potn+(" a)

3
N26 1 * * * * * 0 5 = 5-0

2 - * * * * 1 4 = 5-1

3 - - * * * 2 3 = 5-2

4 - - - * * ] 2 - 5-3

5 - - - - * 4 1 1 - 5-4
                                                                            11 Stan:
                                                                              J=1; J= (N+1-1); J+1){

| Popn+(0)

]

Popn+(n()
```

```
/Patren_11
                                        → giran N:
                                 # N rows are present

# In Each row: {1-N}
                               50:5
                         2:51-7=4 : left Stans: N+1-1

3 4:51-3=3 : span : 2*1-2

3 6:51-4=2 : right Stans: N+1-1
                                  8 : 541-5=1
                                           Psenddocu:
 N=y:
                                  SP
                                           9=1; [1= N; P+1) &
                                              1=1; [1= (N+1-1); [++) {
                                              J=1; J1=(29-2); J+1)1
                                               1 bunt()1
NEL
                                               1=1; [x=(N+1-1); ]++) {
                                               ] prent(0)
```

Pattern-12: # given N \$ # N romes = {1,2. N) N=4: At My how many: 2N whine leftstons: [Stons In Every row how many columns we have = 2N 2? N=5: US + Span + RS = 2 N 1 2 Span = 2N-21 3 N21 2 Z 5

```
19 Patter-14
                     # gran N
                          le rons: Nows
 N=1: 1
                          In in row; " Element o [1-1]
N=2: 1 1
                           Pscrilobodi:
     2 1 2
                           !=1; fd= N; Pta) {
                        j=1; j=1; j=1) {

| posn+(p) }

posn+(p) }
 N=y
                           Tray N= 4
      1 1 2 1
                           i = 1 j ] { = i j ] outpur
      4 1234
```

# N > Nows

In imnow = 1 Elements

// Penas

Port C=1;

for (Port ==1; 1 = N; 9+2) {

for (Port ==1; j == i j == i j == 2) {

pront(i) c = c+1)

}

print(ulni)

ophonal:

0 it j b) j+1 0 j