Patterns - Nested loop

- · Outer loop no of nows
- · Inner 1000p focus on columns & connect them somehow to lows.
- · puint the *inside the inner for loop.

(Online cooling compiler)

int main() f

int t; cin>>t;

for lint i = 0; i < t; i++)

int m;

cin>>n;

print 1 (n)

· Pattern 2:

lor Cint i =0 ; i <n ; i++) {

· Pattern 3: for (Int i=1; l<=n; i++)? for (Int j=1; j<=i; j++)? courc< j<<""; courc< endl;

Pattern 4:

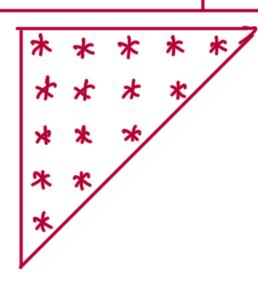
for (Int i=1; l<=n; i++)?

for (Int j=1; j<=i; j++)?

cout<<ii>i</i>
g

cout<<endl;

Pattern 5: for (lnt i=5; i>=1; i--)? for (lnt j=i; j<=i; j++)? cout << "* "; g cout << endl; g



2nd method:

for (int i =1; i <=n; i++) {

 for (int j=0; j<n-i+1; j++) }

 cout << "*";

 cout << endl;
 s

Pattern 7: for ("ant ": 1;
$$i <= 4$$
; $i++$)?

For ("ant ": 1; $i <= 4$; $i++$)?

For ("ant ": 1; $j <= 4*2-1$; $j++$)?

For ("ant ": 1; $j <= 4*2-1$; $j++$)?

For ("ant ": 1; $j <= 4*2-1$; $j++$)?

For ("ant ": 1; $j <= 4*2-1$; $j++$)?

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For ("ant ": 1; $j <= 4*2-1$; $j++$)?

For ("ant ": 1; $j <= 4*2-1$; $j <= 4*2-1$;

Pattern 8:

$$| \rightarrow + * * * * * [0,7,0] |$$
 $| \rightarrow + * * * * [0,7,0] |$
 $| \rightarrow + * * * * [0,7,0] |$
 $| \rightarrow + * * [0,7,0] |$
 $| \rightarrow + * * * [0,7,0] |$
 $| \rightarrow + [0,7,0] |$
 $| \rightarrow$

for (int i: 1;
$$i <= 4$$
; $i++$) \(\)

for (int j: 1; $j <= 4*2-1$; $j++$) \(i \)

if (j <= i-1 11 j > 4*2-i)

cout << "-"; space

cout << "*"; & - 1,7

3 - 1,2,6,7

cout << endl;

Pattern 9: Combine pattern 728

```
(no two linus of same rs \cdot of lines)

1 *

2 * *

3 * *

4 * *

int Stars = i;

if (i>n) Stars = 2*n-i;

for (int j=1; j <= Stars; j++)?

cout << "*";

4 + 2

5+1

g

cout << endl;
```

```
int start = 1;

for (lnt i=0; i<n; i++)?

if (i/2 ==0) Start = 1;

else Start = 0,

for (int j = 0; j<=1; j++)?

cout << Start;

Start = 1-Start;

3 - 0 | 0 | 3

cout << end;
```