

(#) Nested loops :-

	col=1	col=2	✓	✓	col=5
row=1	*	*	*	*	*
row=2	*	*	*	*	*
row=3	*	*	*	*	*
⋮	*	*	*	*	*
row=5	*	*	*	*	*

printf("*");

for (row = 1; row <= 5; row++)
{
col <= row

for (col = 1; col <= 5; col++)
{

printf("*");

}
printf("\n");

}

1
row

1 3 4
1 5 6
col

2

row

~~1~~ ~~2~~ ~~3~~ ~~4~~
col 6

col=1 col=2

col=5

r=1

r=2

r=3

r=4

r=5

*				
*	*			
*	*	*		
*	*	*	*	
*	*	*	*	*

$col \leq row$

$1 \leq 1$
*

$col \leq row$
 $1 \leq 2$
 $2 \leq 2$
A*

$$\begin{array}{l} \underline{1} \leq 3 \\ 2 \leq 3 \\ 3 \leq 3 \end{array} \quad \left. \begin{array}{l} 2 \\ 3 \end{array} \right\} \quad \begin{array}{l} \star \star \star \end{array}$$

row = 1 ✓
row = 2 ✓
row = 3 ✓
row = 4 ✓

			*			
		*	*	*		
	*	*	*	*	*	
*	*	*	*	*	*	*

for (row = 1; row <= n; row++)

{
 $1 \leq 4 - 1 \Rightarrow 1 \leq 3$
 for (space = 1; space <= n - row; space++)

{
 printf(" ");
 }

$1 \leq 1$

for (star = 1; star <= (2 * row - 1);

{
 star++;

printf("*");

printf("\n");

}

$2^x \text{ row} = \underline{1}$

