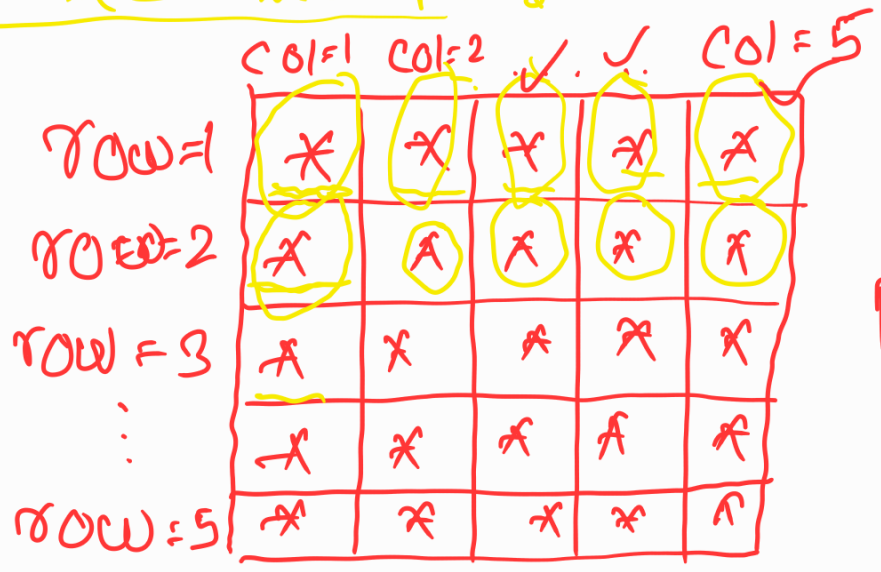
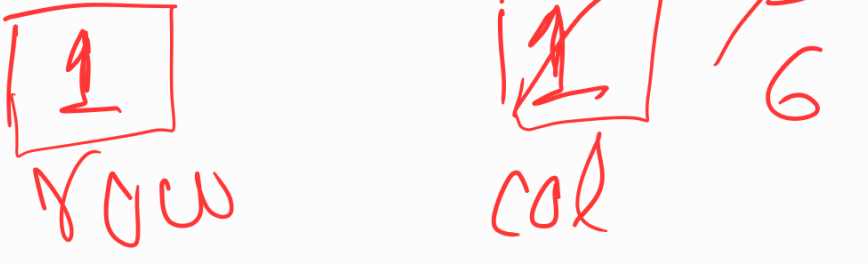
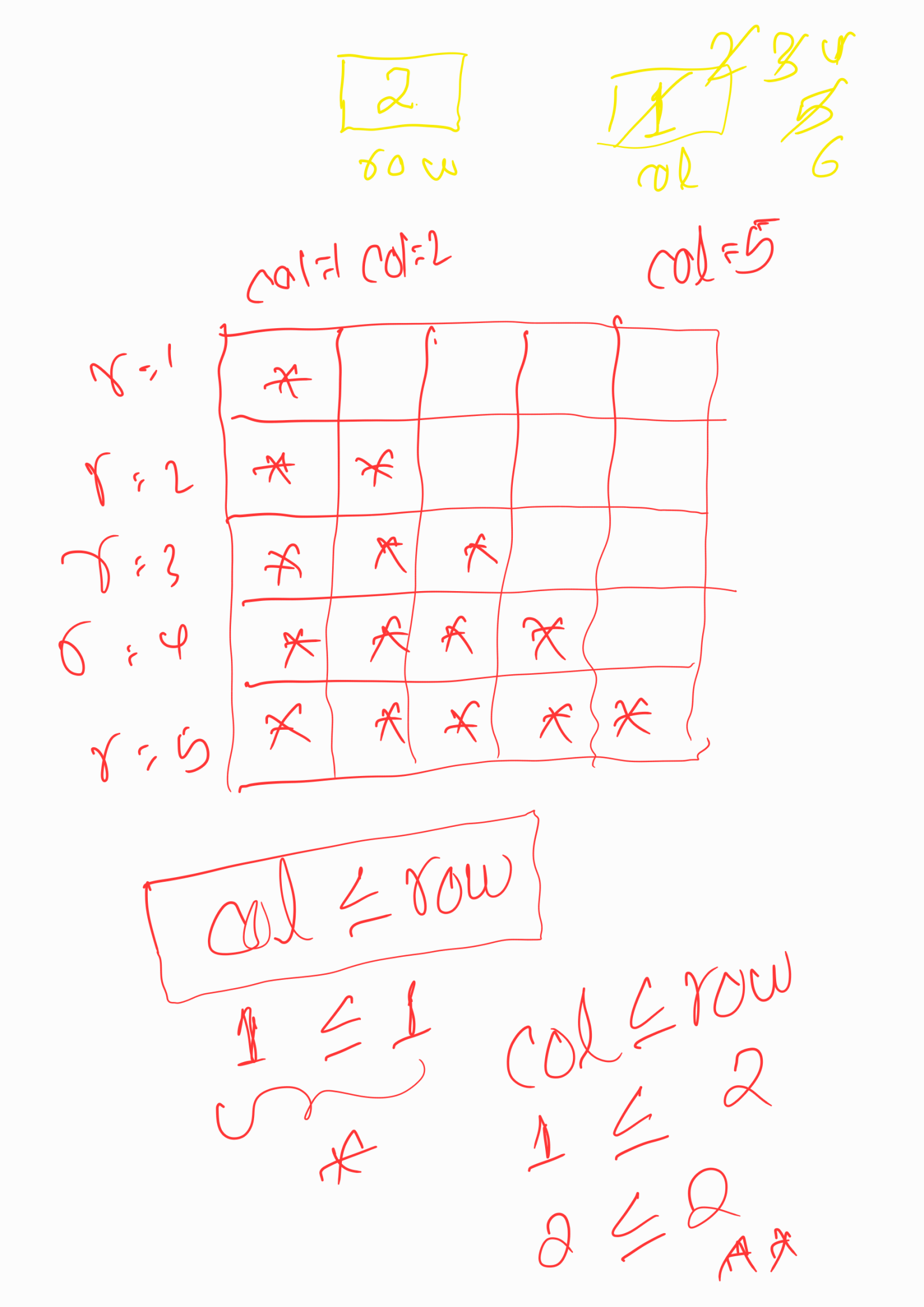
(#) Nested loops :-



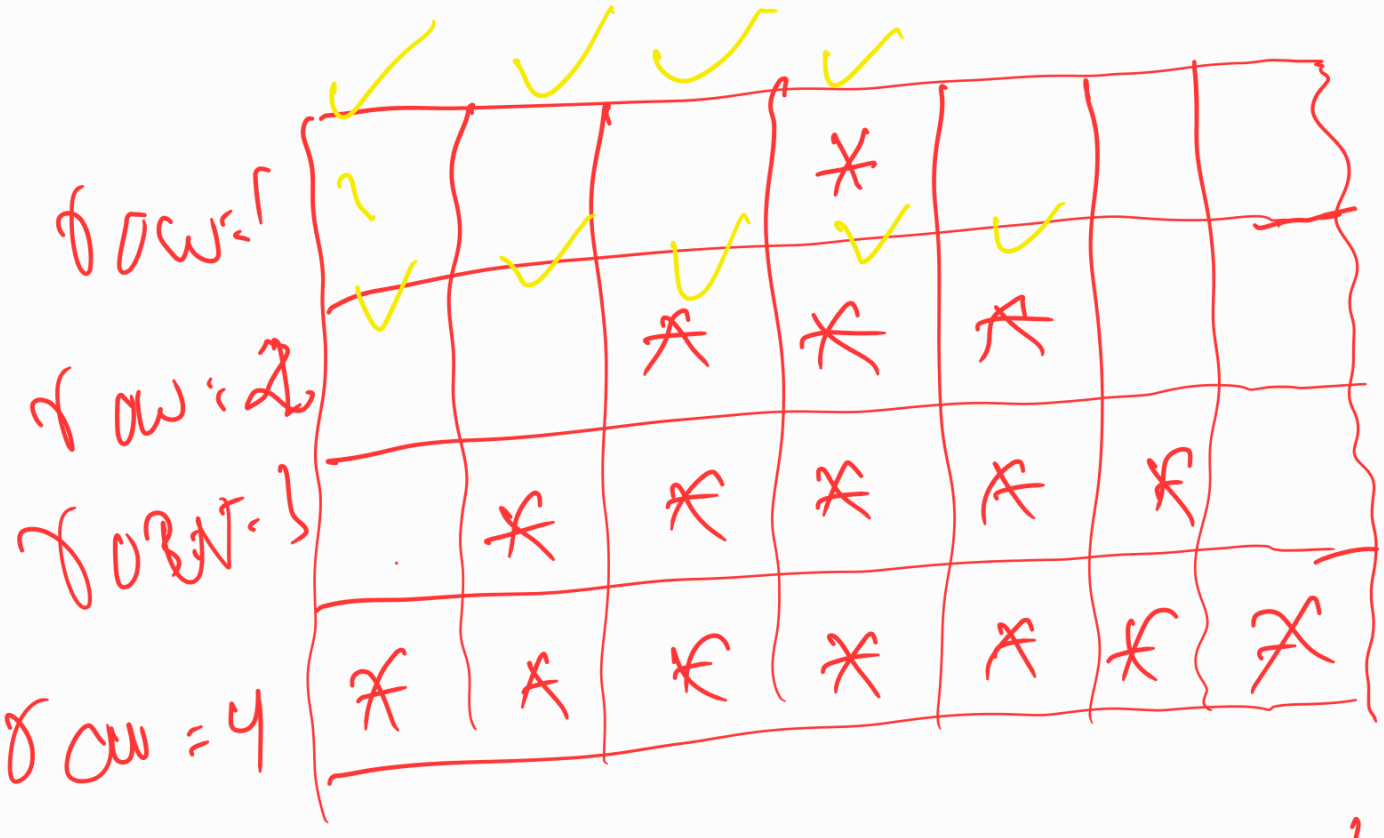
printf("*");

```
for(row=1; row<=5; row++)
{
    col<=row
    for(col=1; col<=5; col++)
    {
        printf("*");
    }
    printf("\n");
}
```




2
row
1
col
col=1 col=2
col=5
r=1
r=2
r=3
r=4
r=5
col ≤ row
1 ≤ 1
*
col ≤ row
1 ≤ 2
2 ≤ 2
A*

$1 \leq 3$
$2 \leq 3$
$3 \leq 3$
} ***



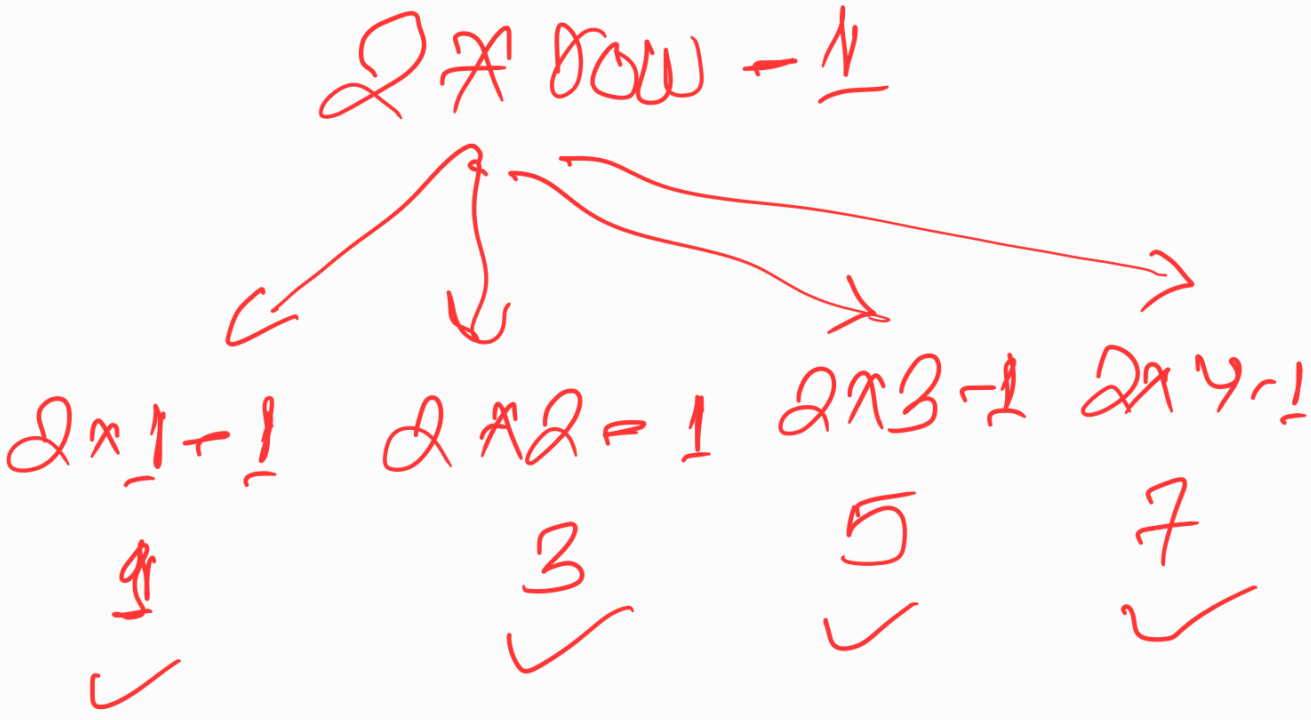

```
for (row = 1 ; row <= n ; row++)
```

$1 \le 4-1 \Rightarrow 1 \le 3$

```
{
  for (space = 1 ; space <= n-row ;
                          space++ )
  { printf(" "); }
```

$1 \le 1$

```
  for (star = 1 ; star <= (2*row-1) ;
                          star++ )
  { printf("*"); }
  printf("\n");
}
```


2 x row - 1
2x1-1
2x2-1
2x3-1
2x4-1
1
3
5
7