

Today's agenda
Todoy's agenda Grattens
- Pations
MANDER



a) Print N	"*" in a single how.
	En: N:4 -> * * * *
	10% (int i:1: i<=N; i++) <
N iteration4	100 (int i:1; i=1); i++) < System.out.point("*");
	3
/ <u>/</u> /	
$+$ \angle	Alaorreb
0	



Q) Griven Integer N, Point Equale of N+N using "+".

En: N=4	NES
***	* * * * *
* * * *	* * * * *
* * * *	* * * * *
* * * *	* * * * *
	* * * * *

	2				
45	How many such	;	e:~	j	jein
160	~ (int 1:1; 1 e:n; 1+1) {		4		+
	100 (int j:1; j == N; j ++) < 10 Print		$+\epsilon$	2	+
	System.out.paint("*"); sow			3	1
	13				m eni+
	System. out. Point In ();	2	+	1	t
13				2	t
_	* * *			3	4
	* * *			4	1-1 enit
_	* * *				
L		3	t	1	t
_				2	t
_				3	4
_				4	1-1 erit
		4			•
		'	bus	enit	



@ Pattern 1:		
La Point the toingle Patte	an.	
N=2: *		
* *		
M=H: * +1.L **		
* * *		
41 5		
2=3	mt=X	234
ind nSt = 1; pows Jos (ind ii); i=n; i+1) {	i ie:~	j jen+
point low Lind jel; j<= mut; j+1% System.owl.point("*");		2 Junit
System.ow.point ("*");	2 #	2 4
poel for nSt ++; North line System.out. Pointln();		3 buenin
System.out.pointln();	3 4	1 +
		3 +
*		4 by enit
* *	4	
* * *	Ayen	፤ ተ



Q) Pattern 2

broint the following Pattern.

N=3 _ * *

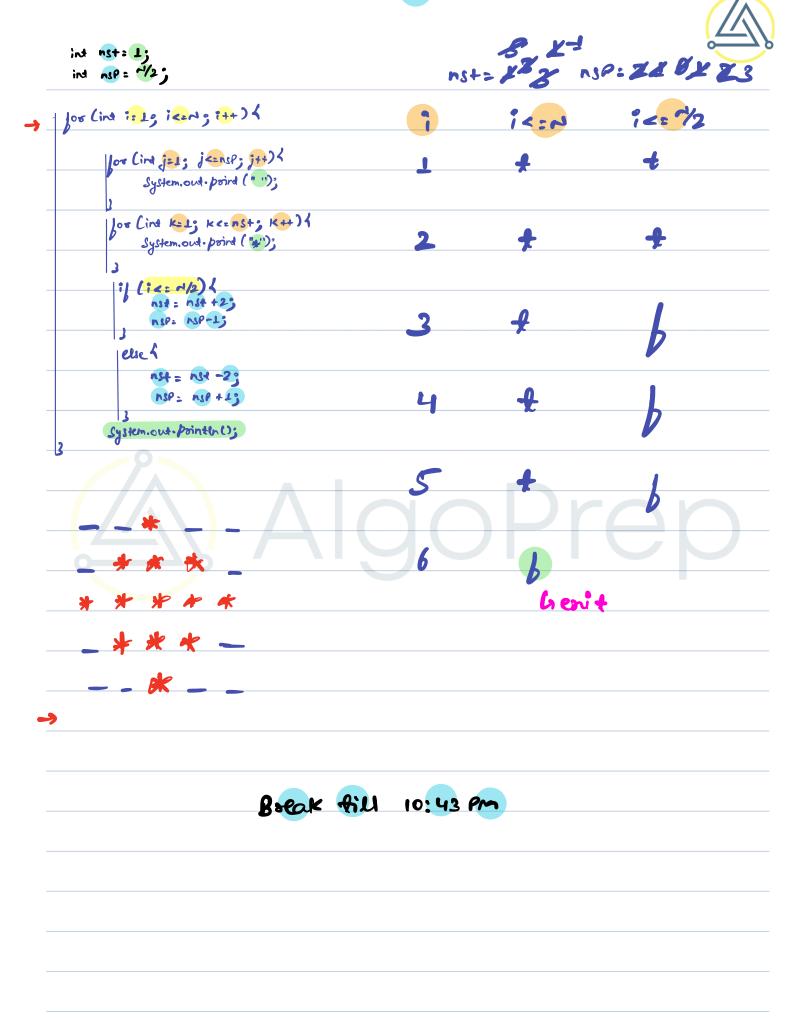
* * *

N:6 -> incorrect input



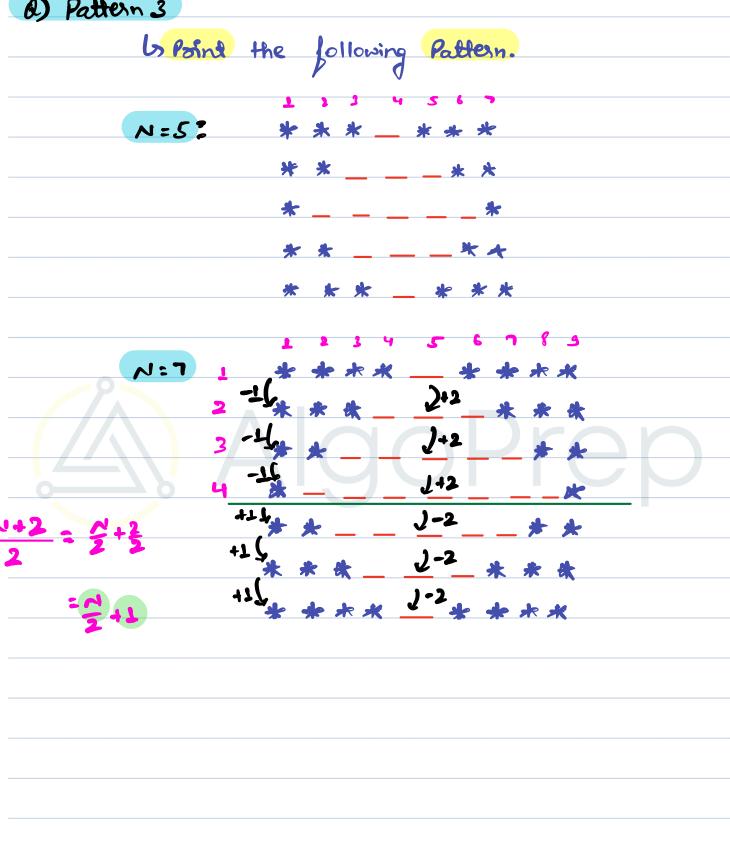
```
100 (ind 1:10 ican; 1++) 4
       for Cira j=1; j <= nsp; j++) <
            System.out.point ("");
       Jos Cind K=1; K<=ns+; K++){

System.oud.poind("");
        il (ie: 4/2) 4
nst: nst +2;
              nsp: MP-1;
        elsef
              nst = nst -2;
      System.out. Pointln();
```





B) Pattern 3





```
int nst = 1/2 + 1;
for (int i=1; i <= ~; i++) {
       for line jes; je: ne+; j++) }
         System.out.point ("*");
       Jor Lind j=1; j <= nsp; j++) <

System.oud.point (" ");
       Jor Lind j=1; j <= ns+; j++) {
System.oud.point ("*");
          else L
             nst = nst +1;
          System.out. println();
```

1



B	Pattern	4:

Li Point the totangle Pattern with number

2 3

M=4: 1

23

4 5 6

7 8 9 10

ind count = 19

ind nst = 1;

108 (ind 1:1; ic=n; 1++) {

Jor Lind jel; j<= net; j+1%

System.oud.point (court);

Court ++;

ns+ ++;

System.out.pointln();

3



