

Todoy's agenda
Today's agenda Gattens
y ration!
9.



	"*" in a single how. En: N:4 -> * * * *
Niteration	Jos (ind i=1; i <= N; i++) { System.out.point ("*"); 3
	AlgoPrep



En: N=4	M:	-5		
***		* *	* * *	
***		* *	* * *	
***		* *	* * *	
***		* *	* * *	
		* *	* * *	
How mary soul	i i	K:N		j<=~
	1 .	ł	1	+
(++) (++); (++) (++) 40			2	+
los indj=1; j<= N; j++) %	<u>د</u>		3	+
System.out. point ("*");			4	1 -> en
System.out. point ln ();				
	2 4	•		j<=n
			1	+
* * *) 2	+
* * *			3	+
t at at			4	b
	3	+	C	j<=n
			1	+
) 2	+
			3	+
			L 4	



ls Paint #	he toiongle	Pattern.			
N=2;					
	* 朱				
MEH	*				
	* *				
	* *	*			
<u> </u>	43 1/4 #	* *	nst=	182	115
ind nst: 1;	govil	9	14:2	j	jez
or (ind i: 1; i<: N; i++)				71	1
llow (ind is 1: is	: 11 - 741) <			2	1 ->6
point jos (ind j:1; je System.ou	14. point ("#");				
		2	4		4
13				2	ŧ
el l				2	
or (nst ++) Core System.out.point	In ()0				1 68
O. C.		7			4
		ے ۔	+		t
•					
*				3	
* *				4	b, se
* * *		4	+	<u> </u>	T
* * + *				2	t
				3	+

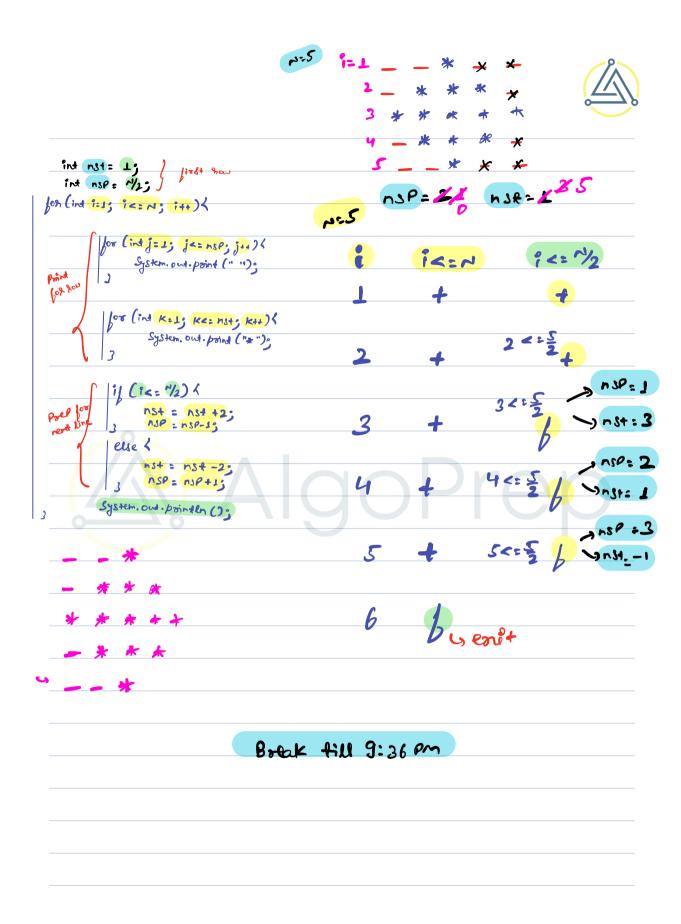


	_ *
	* * *
	<u> </u>
	No.
N:5	** **
19	* * * *
	1-2 <u>1</u> * * *
NET	nst * _ nsp
	+24 × × × 2-1
NET	14
NET	4 * * * * *)-!
	4 * * * * *)-!
	地 * * * * * 2-!
	12 * * * * * * * * * * * * * * * * * * *



```
int nsp = 1/2;
for (ind 1:1; ic= N; i++) <
          for (ind j=1; j == nsp; j ++ ) <
               System. out. point (" ");
 Point
 Pod you
           for (ind K:1; KK: nst; K++) <

System. out. prind ("*");
              if (PK= 1/2) 4
                 nst = nst +2;
             else {
                     NSP = nsP+15
           System. out · pointln ();
```





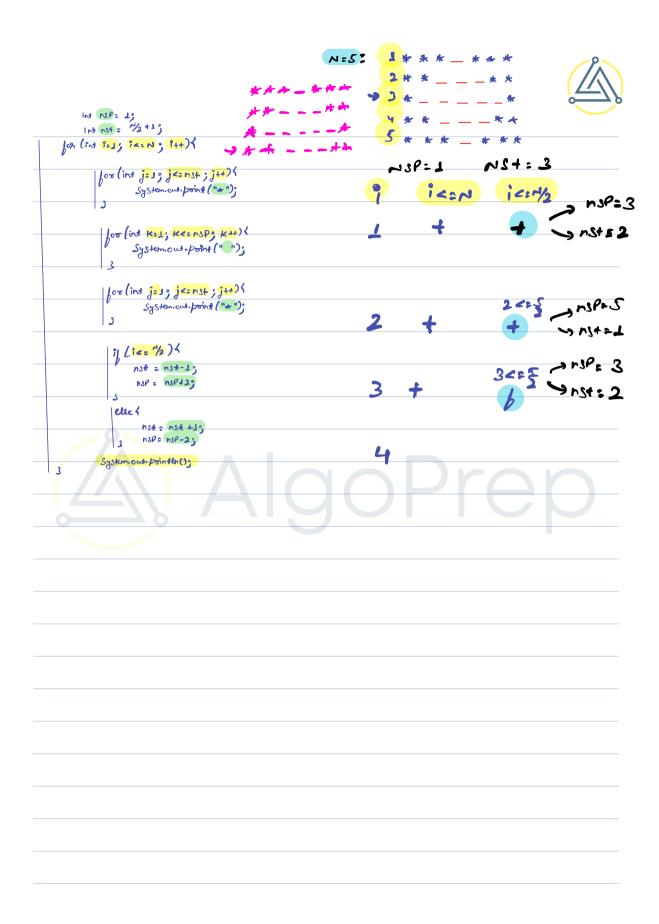
B) Pattern 3
to Point the following Pattern.
N=5: ***
* * <u> </u>
* <u> </u>
* * <u> </u>
* * * * * * * * * * * * * * * * * * *
N+2
N:7 1 * * * * * * * * * * * * * * * * * *



```
11 Isuedo code
                    ind nsp: 1;
                    int not = 1/2+1;
              Jos (in 1=1; ic= N; 1++)
                        for (ind j=1; j<=nst; j++) \
System.out.point("+");
                          for (ind K:1; K<: nsp; K++) <

System.oud-point (" ");
                          for (ind j=1; j<=nst; j++) {

System.out.print ("+");
                            nst = nst-1;
nst = nst-1;
                             else 4
                                    nst = nst +1;
                                 nsp= nsp-2;
                       System.out. pointln();
```





B) Pattern 4:		
	Point the toingle Pattern with number	
	N=2: 1	
	2 3	
	M=4: 1	
	2 3	
	4 5 6	
	7 8 9 10	
?n4	val=1;	
	ns+=1	
	int 1:1; 1<= N; 1++) (
	for (ind j=1; j<=ns+; j++)	
	System.out. pointly (val);	
	3	
	ns++;	
	System.out.pointln();	
3		



