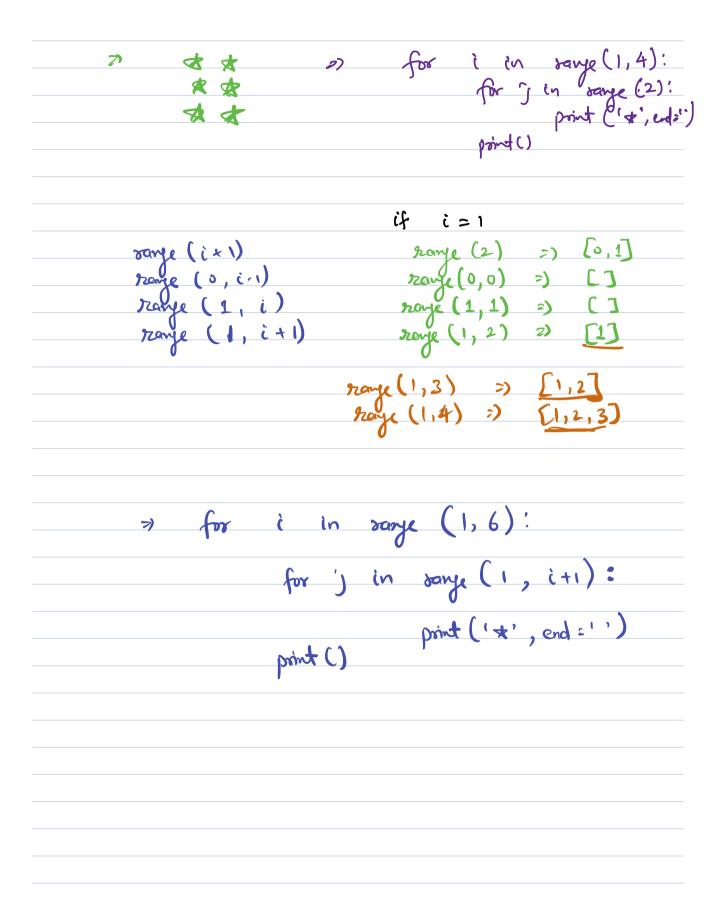
Patterns all around?

Challenge 1: (Staircase pattern)

>> Con we apply nested loop here?

1 2 3 4 5



Next challenge:	
N = 5 N = 3	
1 *	
<u>2</u> * 2 * 2	
3 × 2 × × 2 ×	
4 × 2 × 4	
5 × 2 × 4×	
n = 6	
<u> </u>	
2 * 2	
3 * 2 *	
4 2 2 4	
5 \$ 1 \$ 4 \$	
6 2 2 7 4 7 6	
for i in senje (1,6)!	
for 'j in range (1, i+1)!	
if j -/· 2 = = 1:	
privet ('th', end	<u>- (1)</u>
else:	- /
print (1, en	(· · = (
privat ()	

i) find no of 9000 2) roye (1, N+1)

ii) Count no.

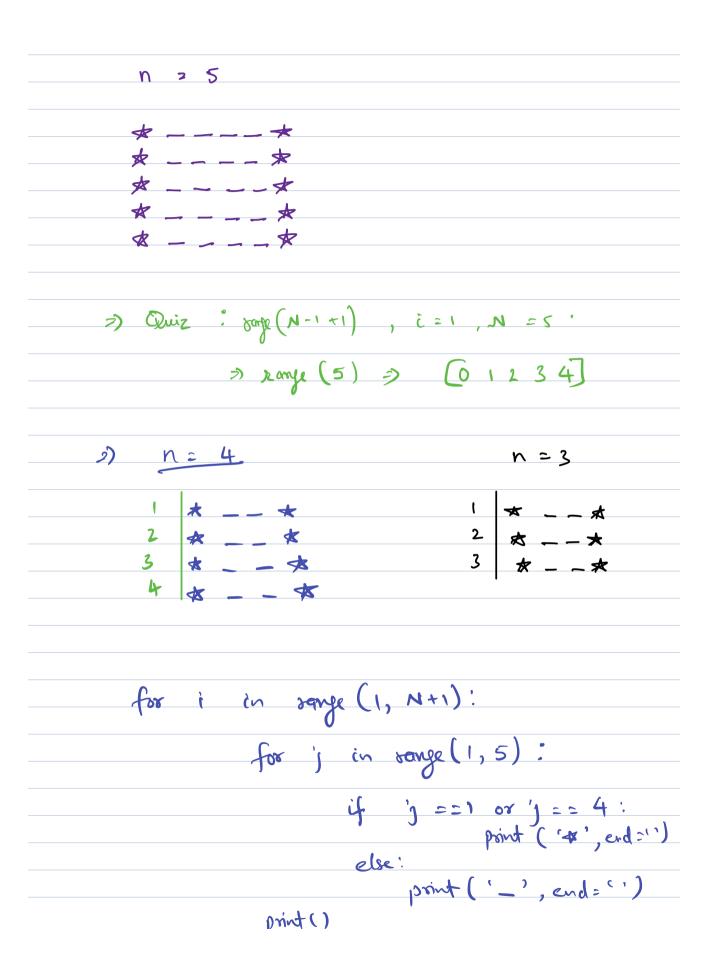
iii) find relationship b/w * A each row

starge (1,6) => 1 2 3 4 5

no. of Stens in 92008 (i)

coch 5023 $n - (i-1) \ni n - (i-1)$ $n - i + 1 \ni 5 - 2 + 1 = 4$ $n - i + 1 \ni 5 - 3 + 1 \ni 3$ $n - i + 1 \ni 5 - 3 + 1 \ni 3$ $n - i + 1 \ni 5 - 3 + 1 \ni 3$

Next challenge: N = 3 N = 4 $1 \mid \cancel{*} = \cancel{*} = 4$ $2 \nmid \cancel{*} = \cancel{*} = 4$ $3 \nmid \cancel{*} = \cancel{*} = 4$ $4 \mid \cancel{*} = 4$ $4 \mid$



	estion:
Č)	range (1, n+1)
ii)	nt1 elements in inner.
	scange (1, N+2)
iù	point * in ist & (NXI)th col
	rest print spece.
	· • • • • • • • • • • • • • • • • • • •