

* Day - 4

Pattern Problem-4

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- Do the following 4 steps and solve any pattern.

~ Step-1:- Write down in rows and columns

	1	2	3	4	5	→ columns (J)
1	*	*	*	*	*	
2		*	*	*	*	
3			*	*	*	
4				*	*	
5					*	

↳ rows (i)

~ Step-2:- Write the stars in columns to be filled

	1	2	3	4	5	→ columns (J)
1	1	2	3	4	5	
2		2	3	4	5	
3			3	4	5	
4				4	5	
5					5	

↳ rows (i)

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~ Notes by vHiten

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- Step-3 :- Write down in generalized way

	1	2	3	4	5
1			$1 \leq 5$		
2			$2 \leq 5$		
3			$3 \leq 5$		
4			$4 \leq 5$		
5			$5 \leq 5$		

note :- here the left part shows the initial number we have to start considering and the right part shows the last point we have to consider for star printing.

↳ considered for every columns for each row

- Step-4 :- Write the generalized condition

as we can see the right part is the one to which we have to fill stars and as we these are columns hence we can say it's J

- here the left part is varying with no. of rows $\rightarrow i$

- hence we can write $i \leq J$ / $J \geq i$

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