

All-star pattern problems are solved using the following approaches -

Step 1: Draw within a rectangle while keeping track of variables i and j.

1	2	3	4	5 ==> j
*				
*	*			
*	*	*		
*	*	*	*	
*	*	*	*	*

I ⇒ Number of Rows

J ⇒ Number of Columns

Step 2: Replace the * symbol with a number at its position.

i	j
1	1
2	1, 2
3	1, 2, 3
4	1, 2, 3, 4
5	1, 2, 3, 4, 5

Step - 3 To Perform relational operations.

i	j
1	j <= 1
2	j <= 2
3	j <= 3
4	j <= 4
5	j <= 5

Step - 4 J <= i (Establish a relationship between i and j.)

Base Condition = J <= i