

DRY RUN

row	row <= 4	space	space < row	o/p	sp++	col	col >= row	col--	row
1	✓	1	✗	*		4	4 >= 1 ✓	3	
				*		3	3 >= 1 ✓	2	
				*		2	2 >= 1 ✓	1	
				*		1	1 >= 1 ✓	0	
						0	0 >= 1 ✗		2
2	2 <= 4 ✓	1	1 < 2	-	2				
		2	2 < 2 ✗	*		4	4 >= 2 3		
				*		3	3 >= 2 2		
				*		2	2 >= 2 1		
						1	1 >= 2 ✗		3
3	3 <= 4	1	1 < 3	-	2				
		2	2 < 3	-	3				
		3	3 < 3 ✗	*		4	4 >= 3 3		
				*		3	3 >= 3 2		
						2	2 >= 3 ✗		4
4	4 <= 4	1	1 < 4	-	2				
		2	2 < 4	-	3				
		3	3 < 4	-	4				
		4	4 < 4 ✗	*		4	4 >= 4 3		
						3	3 >= 4 ✗		5
5	5 <= 4 ✗								

Expected o/p →

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* * * *
  * * *
    * *
      *

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Date 28/7/20

row	row <= 4	ch	space	space < row	o/p	Sp++	col	col >= row	col -- row
1	1 <= 4 ✓	A	1	1 < 1 X	A		4	4 >= 1 ✓	3
		B			B		3	3 >= 1 ✓	2
		C			C		2	2 >= 1 ✓	1
		D			D		1	1 >= 1 ✓	0
		E					0	0 >= 1 X	2
2	2 <= 4 ✓	A	1	1 < 2 ✓	-	2	4	4 >= 2 ✓	3
		B	2	2 < 2 X	A		3	3 >= 2 ✓	2
		C			B		2	2 >= 2 ✓	1
		D			C		1	1 >= 2 X	3
		E					0	<del>0 &gt;= 2 X</del>	3
3	3 <= 4 ✓	A	1	1 < 3 ✓	-	2			
			2	2 < 3 ✓	-	3			
		B	3	3 < 3 X	A		4	4 >= 3 ✓	3
		C			B		3	3 >= 3 ✓	2
							2	2 >= 3 X	4
4	4 <= 4 ✓	A	1	1 < 4 ✓	-	2			
			2	2 < 4 ✓	-	3			
			3	3 < 4 ✓	-	4			
		B	4	4 < 4 X	A		4	4 <= 4 ✓	3
							3	3 <= 4 X	5
B	5 <= 4 X								

Expected o/p →

A B C D  
 - A B C  
 - - A B  
 - - - A



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sq	i	i<=4	j	j<=i	o/p	j++	k	k>=i	k--	i++
1	1	1<=4✓	1	1<=1	1		4	4>=1	3	
2					4		3	3>=1	2	
3					9		2	2>=1	1	
4					16		1	1>=1	0	
							0	0>=1x		2
5	2	2<=4✓	1	1<=2	-	2				
6			2	2<=2x	25		4	4>=2	3	
7					36		3	3>=2	2	
8					49		2	2>=2	1	
							1	1>=2x		3
8	3	3<=4	1	1<=3	-	2				
8			2	2<=3	-	3				
9			3	3<=3x	64		4	4>=3	3	
10					81		3	3>=3	2	
							2	2>=3x		4
10	4	4<=4	1	1<=3	-	2				
			2	2<=3	-	3				
			3	3<=3	-	4				
11			4	4<=3x	100		4	4<=4	3	
							3	3>=4x		5
"	5	5<=4x								

Expected o/p →

1 4 9 16

25 36 49

81

100