SUMMARY: LAB_3

Maximum value of variable j (inner for-loop)

i	No. of *
row_1 * * * * * *	6
row_2 * * * * *	5
row_3 * * * *	4
row_4 * * *	3
row_5 * *	2
row_6 *	1

$1 + 6 = 7$

$2 + 5 = 7 = 6 + 1$ ⟶ $i + j = n + 1$

$j = n + 1 - i$

$n = 6$

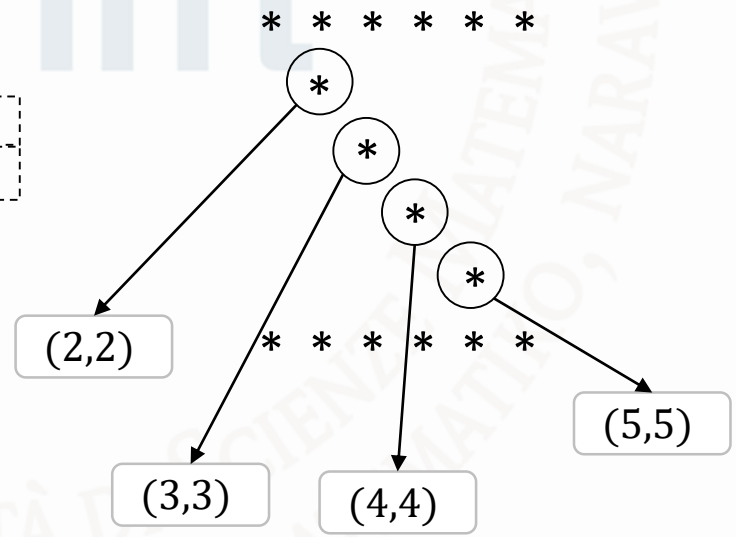
condition for inner for loop: $j \leq n + 1 - i$

i	
1	* * * * * *
2	– * * * * *
3	– – * * * *
4	– – – * * *
5	– – – – * *
6	– – – – – *

	j = 1	j = 2	j = 3	j = 4	j = 5	j = 6
i = 1	*	*	*	*	*	*
i = 2	*					*
i = 3	*					*
i = 4	*					*
i = 5	*					*
i = 6	*	*	*	*	*	*

	j = 1	j = 2	j = 3	j = 4	j = 5	j = 6	
					*	*	i = 1
					*		i = 2
				*			i = 3
			*				i = 4
		*					i = 5
	*	*	*	*	*	*	i = 6

i + j = n + 1



1.inner FOR:
1<=j<i
2.inner FOR:
i<=k<=n

if–statements