Next greater ele right

Nge r

First next)

	0	1	2	3	4
arr =>	5	3	8	-2	7
	↓	↓	↓	↓	↓
nge r =>	8	8	-1	7	-1
	8	8	-1	7	-1

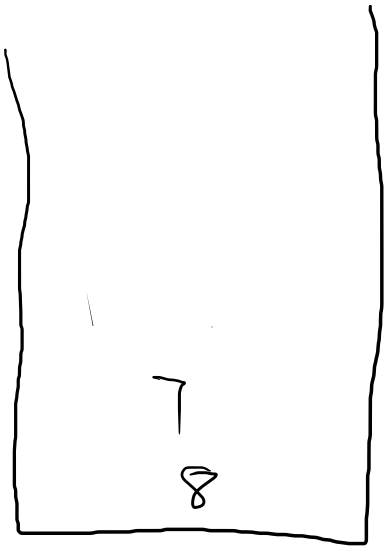
Val = 5

= 3

= 8

= -2

= 7

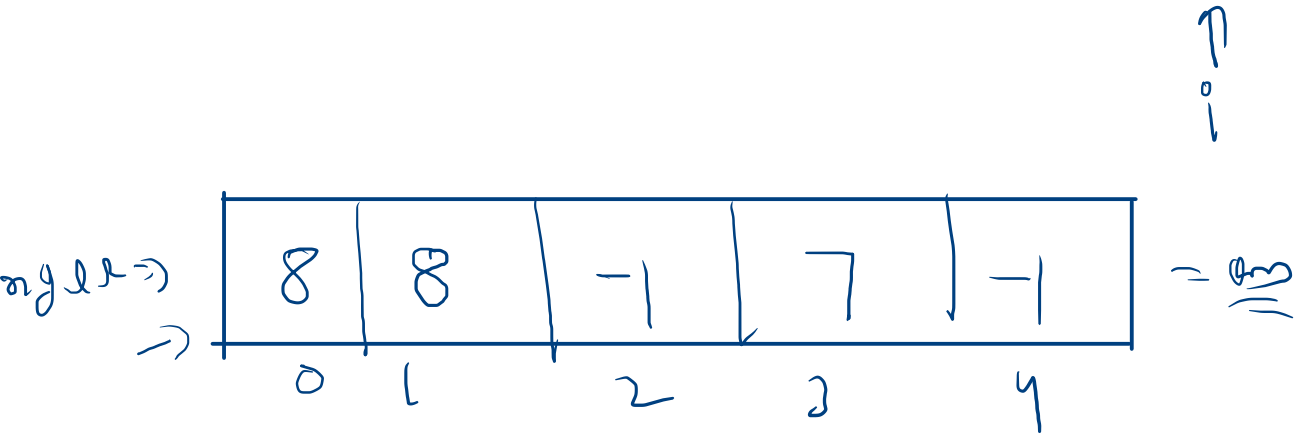


→ stack decreasing

0	1	2	3	4
5	3	8	-2	7

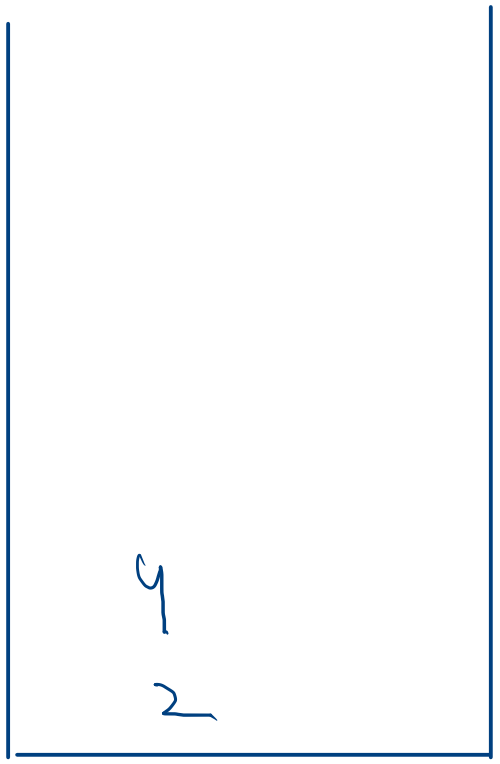
$O(n) \Rightarrow T(n)$

$O(n) \Rightarrow S(n)$



curr val = 7

top = 8



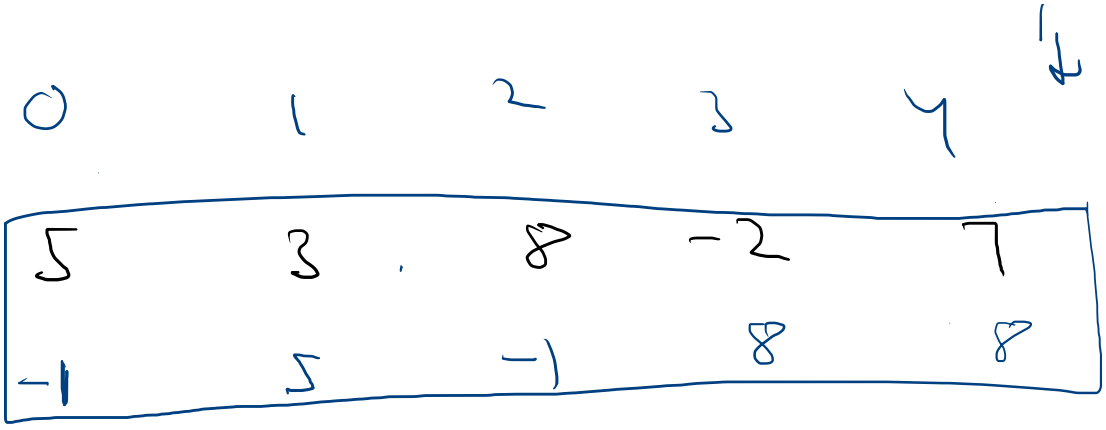
Stack → idx

next greater on left

	0	1	2	3	4
	5	3	8	-2	7
nge	-1	5	-1	8	8

M1 Start from end → follow nges

M2 → Start from front



nge l

curr < top → ans

7 < -2

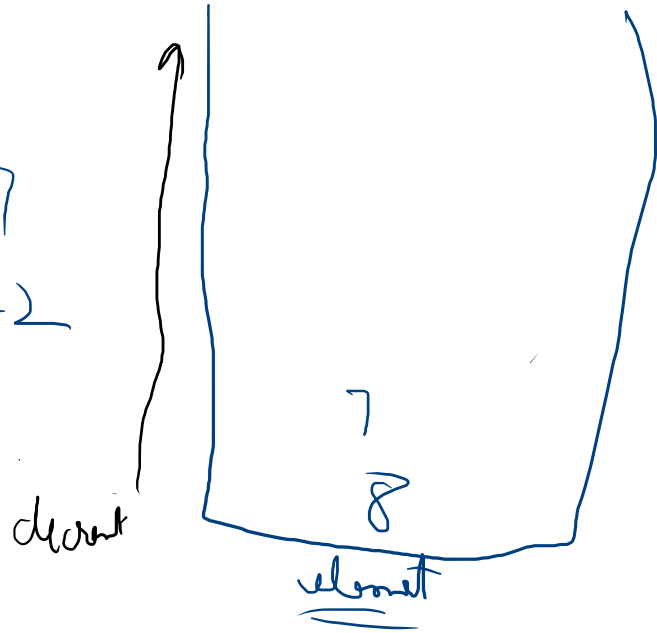
7 < 8

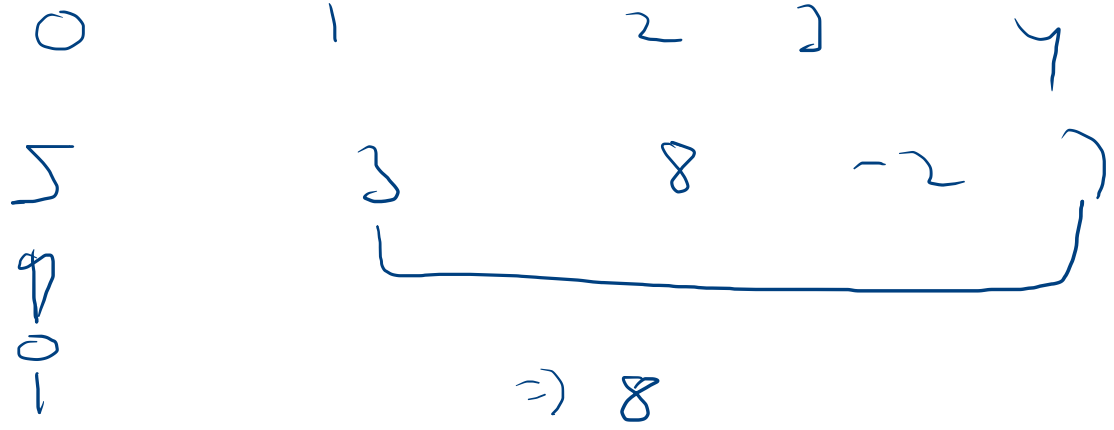
val = 7

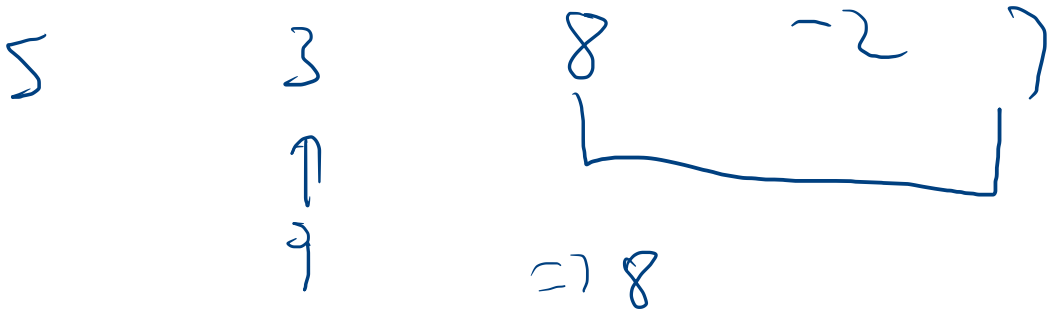
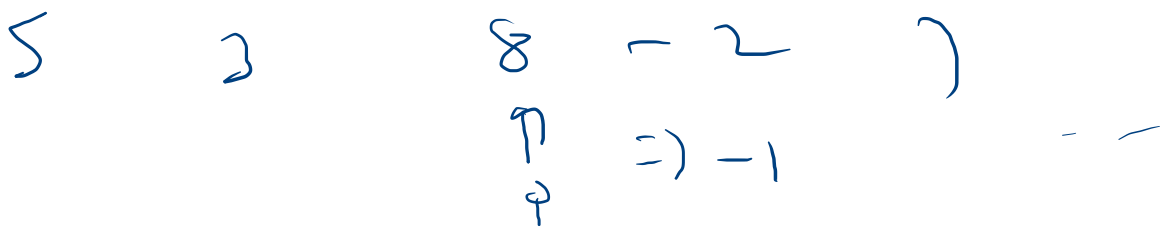
top = -2

curr > top

→ pop()





$O(n^2)$ =

O(n) => spa