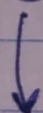
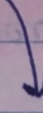


* First ~~Matching~~ Missing Positive

$[-5, 3, 4, 1, 12]$



6



6

as these are $(-)$ & $(+)$ values, we can't change $+$, $-$ only to check missing value.

\therefore we have to change $(-)$ values & out of scope values both to out of scope. Then only we can filter values in range.

as we are considering $val \geq 1$ only, we have to ~~map~~ ~~to~~ ~~range~~ take values only in $(1 - len)$

changes
[5, 4, 3, 2, 1] \Rightarrow In this there are only
val ≥ 1 before changing
change to (-1)

$O(n)$
 $O(1)$ \rightarrow only replace
[-5, -4, -3, -2, -1]

\rightarrow from here left to right do a traversal
& check > 0 values.
o doesn't have + / -

In this case we return (len+1).

$O(n)$
 $O(n)$ We can use boolean[] & check
for true/false. (Hash Table)

- ~~Just~~ swap elements matching (1-len)
s.t. val \neq arr[val]