Remove Duplicates from sorted away

Given a sorted ornay nams, remove duplicates in-place so that each unique element appears only once Retunk = no of unique elements. The first 'k' elements of 'nums' should contain unique numbers in order

Ex:

nums = [0,0,1,1,1,2,2,3,3,4]

output: k=5, nums = (0,1,2,3,4,-,-,-,-)

constraints:

- nums.length L=3*104
- -100 <=nums[i] <=100
 - nums issorted

Algorithm

- 1) Input a sorted away noms
 - 2) Inittalise i=0-keeps track of index of last unique element
 - 3) Iterate of from 1 to nums-length-1
 - if numsfij is not equal to numsfij
 - -s increment 1' -> move to next-position for unique element
 - -> Assign nums[i] = nums[j] -> move new unique element to front

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A Return 1+1 -> no.04 ungque clements k'
code:
 ent P=0; Illast unique element index
 for ( int j=1; j < nums.length; j++){ Il i terate through allow
     of cnums [i] != nums [i]) { Il found onew unique elemnt
                        Il move to nontposition for unique
        nums[i] = nums[i];
return P+1; Il total no of unaque elements
```