

```
int removeDuplicates(int* nums, int numsSize) {  
    int left;  
    int right;  
    int num_index;  
    int num;  
    int index;  
  
    num = nums[0];  
    num_index = 0;  
  
    for(index = 0; index < numsSize; index++)  
    {  
        if(num <= nums[index])  
        {  
            nums[num_index] = nums[index];  
            num = nums[index]+1;  
            num_index++;  
        }  
    }  
  
    return num_index;  
}
```