```
DCP #4: Find First wissing Positive winber in linear time + Constant space
 [ [3,4,1,4] -> 2 [2,3,4]->1 [1,2,3]->4
                                       [3,-4,1,4]
Algorithu:
                                       [4,-4,1,3]
 i= 0, Negatives = 0, loop = true, temp
                                       [0, -4, 1, 3]
 while (100p)
                                       [-4,0,1,3]
 if artiil < 0, Negatives ++
                                       [-4,0,1,0]
 · if art[i] «O, usert art[i] to art[o]
   also if arr [:] 1=0 {
 if arrEarrEid] == arrEid, arrEid: 0
         else &
           if artii] >= lea(arr) + vegatives, arrti] = 0
           else i
         · temp = arr. [arr [:)]
              arr[arr[i]] = arr[i]
              arr [i] = temp
    if i >= len(arr) loop = false
 i = Negatives + 1
 while (true) {
     if art [i] >= leu(arr) return 1
     if err[i] == 0 return 1 - Hagatives
```