52. Max Chunks To Make Sorted

You are given an integer array arr of length n that represents a permutation of the integers in the

range [0, n - 1].

We split arr into some number of chunks (i.e., partitions), and individually sort each chunk. After

concatenating them, the result should equal the sorted array.

Return the largest number of chunks we can make to sort the array.

Code:

```python
def maxChunksToSorted(arr):
    max_so_far = 0
    chunks = 0
    for i in range(len(arr)):
        max_so_far = max(max_so_far, arr[i])
        if max_so_far == i:
            chunks += 1
    return chunks
arr = [4, 3, 2, 1, 0]
print(maxChunksToSorted(arr))
```

Output:

```
1
```

Time Complexity:

- T(n)= O(n)