LC 697

There is one loop over the input array.

We need to count the frequency and
the first occurrence index for each elem.
in the sinput array.

IF a EA and is the max freq., let degree = count[a] and ves = i - first [A[i]] + 1

IF a EA is a number w/max freq., let res = min(res, i-first[A[i]]+1)

· O(N), O(M) where M is size of diff. numbers.

det find Shortest SubArray (self, A): first, count, res, degree = {}, {}, 0,0 for i, a in enumerate (A): if a doesn't exist in the set, then set a to i.

First set default (a,i), the set, then Count [a] = count. get (a,0), +1 if af count, if count [a] > degree: then count[a] = 0. else count = count +1 degree = count [a] res = i - first[a] + 1elif count [a] == degree: res=min(res, i-first[a]+1) return res.

Probably could use named Tuples for the dictionaries.

(697) 4/12 [LC 697] Input: List [int] nums where nums[i] EZ+ +in Return the length of subarray w/ the Smallest Contiguous Same degree as nums. [Ex1] nums = [1, 2, 2, 3, 1]deg (nums) = 2 smallest = [2,2] => length = [2] & [Ex2] nums = [1, 2, 2, 3, 1, 4, 2]deg(nums) = 3SM = [2, 2, 3, 1, 4, 2], length = [6]

Must be contiguous.

First Naive approach is to generate all subarrays that are contiguous and return the smallest.

(n) space

Sefore appending to new list we need to find the position of the repeating

We can also use hash map to keep track of the count for each elem.

· The better approach would be to use

pointers.

Cowhere there are ptess on the start, curr, and end of the max freq. value.

[1,2,2,3,1,4,2]11 $\rightarrow O(n), O(1)$

23 min

LC 1560 7/12/22 import bisect des f(sell, n:int, rounds: List [int]) -> List [ind]: first, last = rounds[0], rounds[-1] it last 7 first: return [i for i in range (first, last+1)] for i in range (n): if first & i+1 or last & i+1: bisect.insort (rec, i+1)?

elx:
rec.append (i+1) return rec. Append in a Sorted way