Not perject Hashmab. init K,V 0(1) add 099 dete get set unique. are yemove search trovel. 420 India 400 (Cenj. China, hankey set() 200 USA, <u>(ا)</u> و 480 Tap

Two Sum LC-1

LC-128

LC-212

LC-169

LC-771 LC-1684

LC-1207

LC-349 LC-268

## 128. Longest Consecutive Sequence

Given an unsorted array of integers nums, return the length of the longest consecutive elements sequence.

You must write an algorithm that runs in O(n) time.

Input: nums = [100,4,200,1,3,2]Output: 4

ele= 100

-> check if ele present or not (hs)

remove



len= 0

Hashset

remove ele
$$len = \left(pre - ple - 1\right)$$

$$= 101 - 99$$

$$= 2 - 1$$

$$len = (1)$$

ple= 3/2/0 pre=5

201-199

hashSet -> onl

-) add put -> add

yet -> get

Containskey -> contains.

#### 771. Jewels and Stones

Easy ₺ 4845 ♀ 563 ♡ Add to List ₺ Share

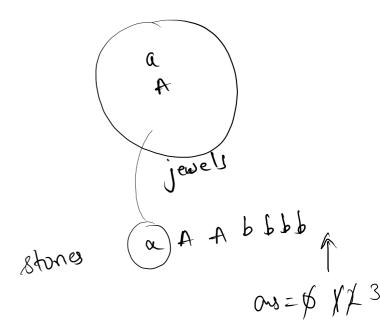
You're given strings jewels representing the types of stones that are jewels, and stones representing the stones you have. Each character in stones is a type of stone you have. You want to know how many of the stones you have are also jewels.

Letters are case sensitive, so "a" is considered a different type of stone from "A".

# Example 1:

Input: jewels = "aA", stones = "aAAbbbb"

Output: 3



## 1684. Count the Number of Consistent Strings

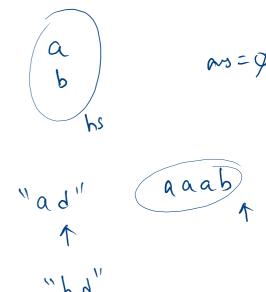
You are given a string allowed consisting of **distinct** characters and an array of strings words . A string is **consistent** if all characters in the string appear in the string allowed .

Return the number of **consistent** strings in the array words .

#### Example 1:

Output: 2
Explanation: Strings "aaab" and "baa" are consistent since they only contain characters 'a' and 'b'.

Input: allowed = "ab", words = ["ad","bd","aaab","baa","badab"]



# 1207. Unique Number of Occurrences

Given an array of integers arr, return true if the number of occurrences of each value in the array is **unique** or false otherwise.

### Example 1:

Input: arr = [1,2,2,1,1,3]

Output: true

Explanation: The value 1 has 3 occurrences, 2 has 2 and 3 has 1. No two values have the same number of occurrences.

trong. size = = hset

hset

# $349. \ Intersection \ of \ Two \ Arrays$

Given two integer arrays <code>nums1</code> and <code>nums2</code>, return an array of their intersection. Each element in the result must be **unique** and you may return the result in **any order**.

#### Example 1:

Input: nums1 = [1,2,2,1], nums2 = [2,2]
Output: [2]



num 1 -> 1 2 2 1

num 2 -> 2 2

