

Examples:

Input: str = "0101010101010"

Output: Yes

Input: str = "REC101"

Output: No

Input	Result
01010101010	Yes
010101 10101	No

Ex. No. : 8.1	Date:
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Binary	String
Coders here is a simple task for you, Given stabinary string or not by using python set.	ring str. Your task is to check whether it is
Str1 = input()	
If set(str1).issubset({'0', '1'}):	
Print("Yes")	
Else:	
Print("No")	

Examples:

Input: t = (5, 6, 5, 7, 7, 8), K = 13

Output: 2 Explanation:

Pairs with sum K(=13) are $\{(5, 8), (6, 7), (6, 7)\}.$

Therefore, distinct pairs with sum K(=13) are $\{(5, 8), (6, 7)\}$.

Therefore, the required output is 2.

Input	Result
1,2,1,2,5	1
1,2	0

Ex. No.	:	8.2	Date:
Register No	.:		Name:

Check Pair

Given a tuple and a positive integer k, the task is to find the count of distinct pairs in the tuple whose sum is equal to K.

Example 1:

Input: s = "AAAAACCCCCCAAAAACCCCCCAAAAAGGGTTT"

Output: ["AAAAACCCCC","CCCCCAAAAA"]

Example 2:

Input: s = "AAAAAAAAAAA"

Output: ["AAAAAAAAAA"]

Input	Result
AAAAACCCCCAAAAACCCCCCAAAAAGGGTTT	AAAAACCCCC CCCCAAAAA

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DNA Sequence

The **DNA sequence** is composed of a series of nucleotides abbreviated as 'A', 'C', 'G', and 'T'.

For example, "ACGAATTCCG" is a **DNA sequence**.

When studying DNA, it is useful to identify repeated sequences within the DNA.

Given a string s that represents a **DNA sequence**, return all the 10-letter-long sequences (substrings) that occur more than once in a DNA molecule. You may return the answer in **any order**.

```
S = input()
If len(s) < 10:
  Result = []
Else:
  Sequences = {}
  Result = []
  For I in range(len(s) - 9):
    Substring = s[i:i+10]
    If substring in sequences:
       Sequences[substring] += 1
     Else:
       Sequences[substring] = 1
  For sequence, count in sequences.items():
    If count > 1:
```

Result.append(sequence)

For I in result:

Print(i)

Example 1:

Input: nums = [1,3,4,2,2]

Output: 2

Example 2:

Input: nums = [3,1,3,4,2]

Output: 3

Input	Result
1 3 4 4 2	4

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Print repeated no

Given an array of integers nums containing n+1 integers where each integer is in the range [1, n] inclusive. There is only **one repeated number** in nums, return this repeated number. Solve the problem using \underline{set} .

Def find_duplicate(nums): Seen = set()For num in nums: If num in seen: Return num Seen.add(num) Sample Input: 5 4 12865 26810Sample Output: $15\ 10$ 3 Sample Input: 5 5 1234512345Sample Output: NO SUCH ELEMENTS

Input	Result
5 4 1 2 8 6 5 2 6 8 10	1 5 10 3

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Remove repeated

Write a program to eliminate the common elements in the given 2 arrays and print only the non-repeating elements and the total number of such non-repeating elements.

Input Format:

The first line contains space-separated values, denoting the size of the two arrays in integer format respectively.

The next two lines contain the space-separated integer arrays to be compared.

```
Sizes = input().split()

Size1 = int(sizes[0])

Size2 = int(sizes[1])

Array1 = input().split()

Array2 = input().split()

Array1 = list(map(int, array1))

Array2 = list(map(int, array2))

Set1 = set(array1)

Set2 = set(array2)
```

```
Common_elements = set1.intersection(set2)
Unique\_set1 = set1 - common\_elements
Unique_set2 = set2 - common_elements
Unique_elements = unique_set1.union(unique_set2)
If unique_elements:
  Unique_elements_list = sorted(list(unique_elements))
  Print(" ".join(map(str, unique_elements_list)))
  Print(len(unique_elements_list))
Else:
  Print("NO SUCH ELEMENTS")
```

Example 1:

Input: text = "hello world", brokenLetters = "ad"

Output:

1

Explanation: We cannot type "world" because the 'd' key is broken.

Input	Result
hello world ad	1

Ex. No.	:	8.6	Date:
Register No	.:		Name:

Malfunctioning Keyboard

There is a malfunctioning keyboard where some letter keys do not work. All other keys on the keyboard work properly.

Given a string text of words separated by a single space (no leading or trailing spaces) and a string brokenLetters of all distinct letter keys that are broken, return the number of words in text you can fully type using this keyboard.

of words in text you can fully type using this keyboard.

A=input().lower().split()

B=input()

For I in a:

C=0

Flag=0

For j in i:

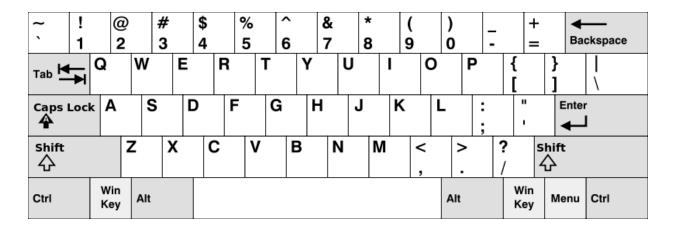
If j in b:

Flag=1

Break

If(flag==0): C+=1

 $\mathbf{Print} \mathbb{C}$



Example 1:

Input: words = ["Hello","Alaska","Dad","Peace"]

Output: ["Alaska","Dad"]

Example 2:

Input: words = ["omk"]

Output: [] Example 3:

Input: words = ["adsdf","sfd"]
Output: ["adsdf","sfd"]

Input	Result
4 Hello Alaska Dad Peace	Alaska Dad

Ex. No.	:	8.7	Date:
Register No	.:		Name:

American keyboard

Given an array of strings words, return the words that can be typed using letters of the alphabet on only one row of American keyboard like the image below.

In the American keyboard:

- the first row consists of the characters "qwertyuiop",
- the second row consists of the characters "asdfghjkl", and
- the third row consists of the characters "zxcvbnm".

Def find_words_in_one_row(words): Row1 = set("qwertyuiop")Row2 = set("asdfghjkl")Row3 = set("zxcvbnm")Def can_be_typed_on_one_row(word): Lower_word = set(word.lower()) Return lower_word <= row1 or lower_word <= row2 or lower_word <= row3

nctuiliwold of wo	ord in words if can d	oe_typed_on_one_	row(word)l	
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