# Practical 7: Lapindrome

## Instructions

Lapindrome is defined as a string which when split in the middle, gives two

halves having the same characters and same frequency of each character. If there

are odd number of characters in the string, we ignore the middle character and

check for lapindrome. For example gaga is a lapindrome, since the two halves ga

and ga have the same characters with same frequency. Also, abccab, rotor and

xyzxy are a few examples of lapindromes. Note that abbaab is NOT a lapindrome.

The two halves contain the same characters but their frequencies do not match.

Your task is simple. Given a string, you need to tell if it is a lapindrome.

**CODE:**

n = int(input())

freq\_dict = dict()

for i in range(n):

    word = input()

    if word in freq\_dict.keys():

        freq\_dict[word] += 1

    else:

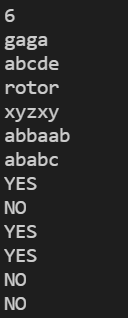
        freq\_dict[word] = 1

print(len(freq\_dict.keys()))

for i in freq\_dict.values():

    print(i, end=' ')

**OUTPUT:**

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