# STUDENT REPORT

## DETAILS

**Name**

CHINTA VISHNU VARDHAN

**Roll Number**

3BR23CS038

## EXPERIMENT

**Title**

SPECIAL STRING

**Description**

Alice has a string A consisting of lowercase English letters. Her friend gives her another string S and asks her to modify string A and replace its characters with the characters present in string S.

But, to achieve the above task, Alice must follow the below steps:

1. Choose a character from string S that has the minimum ASCII distance from the ith character in string A

Replace the ith character in string A with the chosen character in string S

Your task is to find and return an integer value, representing minimum total ASCII distance that is required to modify string A to the characters in string S. Return 0, if all the characters in string S are already present in string A

**Sample Input:**

abcd

xyz

**Sample Output:**

86

**Source Code:**

```
a=input()
s=input()
total=0
for i in a:
    if i not in s:
        distance=9999
        for j in s:
            temp=abs(ord(i)-ord(j))
            if temp < distance:
                distance=temp
        total+=distance
print(total)
```

## RESULT