



# STUDENT REPORT

## DETAILS

Name

NITIN NARENDRA GHANMODE

Roll Number

3BR23ME014

## 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  $i$ th character in string A

Replace the  $i$ th 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()
tot = 0
for i in a:
    if i not in s:
        dist = 9999
        for j in s:
            temp = abs(ord(i) - ord(j))
            if temp < dist:
                dist = temp
        tot += dist
print(tot)
```

## RESULT

3BR2

014 3L

ME014

23ME0  
3BR2

BR23M  
014 3B

3BR2  
ME014

014 3BR2  
3MF