



STUDENT REPORT

DETAILS

Name

Zayed Mulla

Roll Number

3BR23ME026

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

3BR

ME02b

R23M

3BR
26 3BR

ME02
ME02

R23M
R23M

26 3BR
26 3BR