~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	STUDENT REPORT  STUDENT REPORT	,00°
	Name 35 35 35 35 35 35 35 35 35 35 35 35 35	34
13003	Roll Number	223
) T	SPECIAL STRING  Description  ARABARASCHOSES  A	2005
13CD035	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.	30
103 ⁵³ 3 ⁴⁵	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	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
38R13C	xyz	
13c1035	Sample Output:  86	23°C
OS SO	Source Codes ³ 37	BB
3BR135	Source Code: Sourc	3355 E
	Source Code: 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	A TO STATE OF THE PARTY OF THE
	50 20 50 50 50 50 50 50 50 50 50 50 50 50 50	^

```
def min_ascii_distance(A, S):
        total_distance = 0
        found_all = True
        for char_a in A:
            \mbox{\#} Find the minimum ASCII distance character in S
            min_distance = float('inf')
            for char_s in S:
                distance = abs(ord(char_a) - ord(char_s))
                if distance < min_distance:</pre>
                    min_distance = distance
            # If the character from A is not in S, we add the minimum distance
            if min_distance != 0:
                found_all = False
                total_distance += min_distance
        return total_distance if not found_all else 0
   # Sample Input
   A = input()
   S = input()
   # Finding the minimum total ASCII distance
   result = min_ascii_distance(A, S)
   print(result) # Output: 86
RESULT
  5 / 5 Test Cases Passed | 100 %
   BRI
```