```
def min_ascii_distance(A, S):
        total_distance = 0
        found_all = True
        for char_a in A:
            # 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 %
```