

Question 1

Correct

Marked out of 10.00

Given two Strings input1 and input2 consisting of random alphabets, find whether all the alphabets in input1 are in either increasing or decreasing order based on their ASCII value.

For example,

input1 = "ACZa", its in increasing order (65, 67, 90, 97).

input1 = "tbGB", its in decreasing order (116, 98, 71, 66).

In case if input1 is not in either increasing or decreasing order, directly return Invalid.

After deciding input1 as increasing or decreasing; consider input2 which consist of the same alphabets which are in input1, but the order of the alphabets may change.

For example,

input1 = "ACZa" input2 = "CAZa" here 'C' and 'A' are misplaced in input2, so the count of alphabets which are misplaced is 2.

Input1 = "tbGB" input2 = "tGBb" here 'G', 'B', 'b' are misplaced in input2, so the count of alphabets which are misplaced is 3.

Expected output format: <Increasing or Decreasing>:count of alphabets which are misplaced in input2.

Example 1:

input1: ACZa

input2: CAZa

output: Increasing:2

Example 2:

input1: tbGB

input2: tGBb

output: Decreasing:3

Example 3:

input1: ILkQwfg

input2:

output:

For example:

Input	Result
ACZa CAZa	Increasing:2
tbGB tGBb	Decreasing:3
ILkQwfg	

Answer: (penalty regime: 0 %)

```

1 a=input()
2 b=input()
3 count=0
4 if len(a)!=len(b):
5     exit()
6 for i in range(len(a)):
7     if(a[i]!=b[i]):
8         count+=1
9 for i in range((len(a))-1):
10    if(a[i]>a[i+1]):
11        r='Decreasing'
12    else:
13        r='Increasing'
14    print(f"{r}:{count}")
15
16

```

	Input	Expected	Got	
✓	ACZa CAZa	Increasing:2	Increasing:2	✓
✓	tbGB tGBb	Decreasing:3	Decreasing:3	✓
✓	ILkQwfg			✓

Passed all tests! ✓

