with open("input.txt") as f:
    for line in f:
        m=line
        Yarn1=list(m[0])
        Yarn2=list(m[1])
        p1=[]
        p2=[]
        p3=[]
        p4=[]

def lower(a,b):
    #Function to find the list with the lower amount of character
    if len(Yarn1)>=len(Yarn2):
        p1.append(len(Yarn2))
        p4.append(len(Yarn1))
    else:
        p1.append(len(Yarn1))
        p4.append(len(Yarn2))
lower(Yarn1,Yarn2)

def direct(a,b):
    #Function to cancel out the like terms in like places
    dude=0
    LA=len(p1)-1
    for i in range(0,LA):
        try:
            if a[i]==b[i]:
                del a[i]
                #Deletes the element from both lists at that specific function
                del b[i]
                dude=1
                break
        except:
            pass
    if dude==1:
        direct(a,b)
        #Use recursive to avoid error of changing the length of the for loop to be longer than that of the strings

def Side(a,b):
    k=0
    while k==0:
        LA=len(p1)-1
        for i in range(0,LA):
            try:
                #Try here because it will cause error at the end
                direct(a,b)
            except:
                pass
        if k==2:
            k=0
        else:
            LA=len(p1)-1
            for i in range(0,LA):
                try:
                    #Try here because it will cause error at the end
                    direct(a,b)
                    if Yarn1[i]==Yarn2[i+1] and Yarn2[i]==Yarn1[i+1]:
                    direct(a,b)
                    del Yarn1[i]
                    del Yarn2[i+1]
                    del Yarn2[i]
                    k=2
                    break
                    direct(a,b) #Since this direct step always comes first, the more times its repeated here, the safer
                except:
                    pass
                if k==2:
                    k=0
    def AlphaCon(a,b):
        #Function to convert Alphabets into numbers
        tune=0
        good=0
        instrument=0
        skw=['A','B','C','D','E','F','G','H','I','J','K','L','M','N','O','P','Q','R','S','T','U','V','W','X','Y','Z']
        for p,i in enumerate(a):
            if i in skw:
                idk=skw.index(i)+1
            try:
                a[p]=idk
            except:
                a.append(idk)
        for p,i in enumerate(b):
            if i in skw:
                lol=skw.index(i)+1
            try:
b[p]=lol
except:
  b.append(lol)
lower(a,b)
ok=p1[len(p1)-1]
for i in range(0,ok):
  tune=tune+a[i]-b[i]
  instrument=p4[len(p4)-1]-p1[len(p1)-1]
  good=tune+instrument  #adding the numbers together
print(good)
direct(Yarn1,Yarn2)  #Calling all of the functions
Side(Yarn1,Yarn2)
AlphaCon(Yarn1,Yarn2)