A={'a':'2','b':'22','c':'222','d':'3','e':'33','f':'333','g':'4','h':'44','i':'444','j':'5','k':'55','l':'555','m':'6','n':'66','o':'666','p':'7','q':'77','r':'777','s':'7777','t':'8','u':'88','v':'888','w':'9','x':'99','y':'999','z':'9999','A':'2','B':'22','C':'222','D':'3','E':'33','F':'333','G':'4','H':'44','I':'444','J':'5','K':'55','L':'555','M':'6','N':'66','O':'6666','P':'7','Q':'77','R':'777','S':'7777','T':'8','U':'88','V':'888','W':'9','X':'99','Y':'999','Z':'9999','1':'A','2':'B','3':'C','4':'D','5':'E','6':'F','7':'G','8':'H','9':'I',' ':'00','é':'33','è':'33','à':'2','ê':'33','â':'2','ç':'222','À':'2','É':'2'}

phrase=input("Entrez votre phrase:")

B=[]

C=""

for i in phrase:

for j in A:

if i==j:

B.append(A[j])

if i not in A:

B.append(i)

C+=B[i]

for i in range(0,len(B)):

A=B[i-1]

b=B[i]

if A[len(A)-1]==b[0] and len(A)>1:

C+='0'

C+=B[i]

for i in C:

print(end=f"{i}")