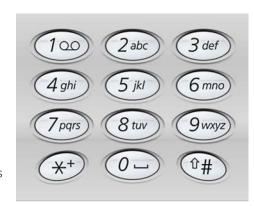
Texting

An old cellphone with buttons has alphabets indicated in each buttons as shown in a picture on the right, so we can text.

To choose an alphabet, press a button with associated character. Pressing a button once input $1^{\rm st}$ character, press quickly twice input the $2^{\rm nd}$ character, (pressing 2 -> a, pressing 22 -> b, and pressing 22 -> c)

If you want two consecutive a, press 2 and wait half a second before press 2 again. Press 2 to input a space. Press 2 or 2 or 2 to switch between lowercase and uppercase (Not important in this question)



In this question, You must write 2 functions

- text2keys (text) Receive String text and return sting of numbers and space (space represent a pause when pressing buttons) that you must press to get that message text. For example,
 - text2keys("Ok, Python") will return "666 55 0 7 999 8 44 666 66"
 - O **text** can be either uppercase or lowercase, we consider them as the same
 - O Ignore every other character in **text** that's not English alphabet or space

Keys2text(key) Receive String **keys** and return a sting of message that you get from pressing button in order shown in **key**. For example

keys2text("666 55 0 7 999 8 44 666 66" will return "ok python"

```
def text2keys( text ):

def keys2text( keys ):

# You must have this command below when submit to grader
exec(input().strip())
```

Input

Command in Python language to test a function

Output

Return output from a function call in input

Example

Input (from keyboard)	Output (on screen)
<pre>print(text2keys("I am busy."))</pre>	444 0 2 6 0 22 88 7777 999
print(keys2text("444 0 2 6 0 22 88 7777 999"))	i am busy