13 Aeronautical phraseology
9 points

Introduction

You are about to join the Space Force Air Traffic Control, but unfortunately you skipped almost all the classes because they were online, and you were playing "among us". So, you decide to create a simple program that converts everyday phraseology to aeronautical phraseology following these conditions:

- Numbers must be converted to their names, with the first letter in upper case.

- Decimal points must be written using the word "Decimal"

- Capital letters must be converted to phonetic alphabet as shown in the table.

- Words that already follow the correct phraseology don't have to be converted.

- Words that don't follow any of these categories don't have to be converted.

- If a hash mark (#) is the only thing entered, the program must stop asking inputs

A	Alpha	K	Kilo	U	Uniform	4	Four
B	Bravo	L	Lima	V	Victor	5	Five
C	Charlie	M	Mike	W	Whiskey	6	Six
D	Delta	N	November	X	X-ray	7	Seven
E	Echo	O	Oscar	Y	Yankee	8	Eight
F	Foxtrot	P	Papa	Z	Zulu	9	Nine
G	Golf	Q	Quebec	0	Zero		
H	Hotel	R	Romeo	1	One		
I	India	S	Sierra	2	Two		
J	Juliett	T	Tango	3	Three		

Input

A sequence of strings separated by an enter.

Output

That string transcribed to the correct aeronautical phraseology, as shown below.

Example

Input

```
A123BC
D119 left Y right H
Delta Echo Golf cleared for take-off
F456 altimeter 30.05 maintain 13000
#
```

Output

```
Alpha One Two Three Bravo Charlie
Delta One One Nine left Yankee right Hotel
Delta Echo Golf cleared for take-off
Foxtrot Four Five Six altimeter Three Zero Decimal Zero Five maintain One
Three Zero Zero Zero
```