# 12. Vowels

**Program Name: Vowels.java        Input File: vowels.dat**

There are many words that contain all of the vowels, A, E, I, O, and U exactly once. There are fewer words that contain all of the vowels exactly once and the vowels appear in alphabetical order.

For example, SEQUOIA is a word that contains all five vowels exactly once. FACETIOUS is a word contains all five vowels exactly once and the vowels appear in alphabetical order. **BUTTERFLY** is a word that does not contain all five vowels.

You are to write a program that will determine
- Whether all of the vowels appear in a given word exactly once.
- Whether all of the vowels appear in a given word exactly once and they appear in alphabetical order.
- Which vowels are missing if all of the vowels do not appear in the given word.

**Note:** All words to be tested will have at most one occurrence of any vowel.

### Input
The first line of input will contain a single integer n that indicates the number of words to follow. The next n lines will each contain a single word in all caps.

### Output
For each word, print one of the following:
- ALL, IN ORDER if all five vowels appear in alphabetical order
- ALL, NOT IN ORDER  if all five vowels appear but are not in alphabetical order, or
- DOES NOT CONTAIN x y … where x, y, etc. are the missing vowels, in alphabetical order and separated by a space, that do not appear in the word.

### Example Input File
```
4
SEQUOIA
FACETIOUS
UNIVERSAL
BUTTERFLY
```

### Example Output to Screen
```
ALL, NOT IN ORDER
ALL, IN ORDER
DOES NOT CONTAIN O
DOES NOT CONTAIN A I O
```