UCF "Practice" Local Contest — August 27, 2011

Pair Isograms (filename: isograms)

A word is considered to be "pair isograms" if each letter in the word appears exactly twice (not less, not more) in the word. For example, the word teammate is pair isograms since each letter in the word appears exactly twice (not less, not more), but the word dad is not since the letter "a" of the word doesn't appear twice.

Given a word, you are to determine whether or not it is pair isograms.

The Input:

The first input line will be a positive integer n, indicating the number of words to be processed. Each of the following n input lines contains a word, starting in column 1 and not exceeding column 52. Assume each input word will contain only lowercase letters (no other characters) and will be at least one letter.

The Output:

Print each input word along with a message indicating whether or not it is pair isograms. Leave a blank line after the output for each data set. Follow the format illustrated in Sample Output.

Sample Input:

```
3
teammate
ali
dood
```

Sample Output:

```
teammate --- pair isograms

ali --- not pair isograms

dood --- pair isograms
```