

G6 – Pair 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.

Input:

The input 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.

Output:

Output the input word along with one of the following two messages, as appropriate:

pair isograms
not pair isograms

Input and output samples:

Input: teammate	Output: teammate --- pair isograms
Input: ali	Output: ali --- not pair isograms
Input: dood	Output: dood --- pair isograms