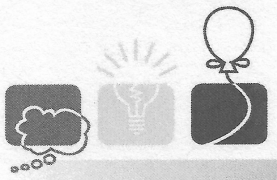

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B: Almost an Anagram

Time Limit: 1 second(s)

Andy loves anagrams. For the uninitiated, an anagram is a word formed by rearranging the letters of another word, for example `rasp` can be rearranged to form `spar`. Andy is interested to know if two words are almost anagrams. A word is almost an anagram of another word if:

- one word is shorter than the other by one letter but otherwise contains the same letters in any order; or
- the two words are the same length and their character multisets differ by one character only e.g. "`aaa`" and "`aab`"

Your job is to help Andy to determine if two words are identical, anagrams, almost anagrams or nothing like each other.

Input

The input contains a single test case.

The input will be a single line of text containing a pair of words separated by a single space. The words will be in lower case and will contain alphabetic characters only. Words will contain between 1 and 1000 letters inclusive.

Output

Your program should produce one line of output as follows:

- If the words are identical, output: $\texttt{word}_a$ `is identical to` $\texttt{word}_b$
- If the words are anagrams, output: $\texttt{word}_a$ `is an anagram of` $\texttt{word}_b$
- If the words are almost anagrams, output: $\texttt{word}_a$ `is almost an anagram of` $\texttt{word}_b$
- Otherwise, output: $\texttt{word}_a$ `is nothing like` $\texttt{word}_b$

In all cases the first word in the output sentence must be the shorter word or if the words are the same length the first word must be the lexicographically least.

Sample Input and Output

Sample Input 1	Output for Sample Input
`rasp spar`	`rasp is an anagram of spar`

Sample Input 2	Output for Sample Input
`table able`	`able is almost an anagram of table`

Sample Input 3	Output for Sample Input
`sable table`	`sable is almost an anagram of table`