## Problem A: Kangaroo Words

A *kangaroo word* is a word in which one or more synonyms of that word can be found in subsequences of its letters. For example, *precipitation* is a kangaroo word because it contains a subsequence of letters that spell **rain** which is a synonym for *precipitation*. The synonyms embedded within the kangaroo word are called *joeys*.

Given a list of words and accompanying synonyms, determine which words are kangaroo words and identify their corresponding joeys.

## Input

The first line of the input contains the number of test cases n. Each of the remaining n lines contain a list of words separated by white space. The first word in this list is a potential kangaroo word to be tested, followed by synonyms which may or may not be joeys.

## Output

For each test case, display the potential kangaroo word followed by a colon. Then, if the word was a kangaroo word, display all corresponding synonyms (each separated by a whitespace) that are joeys of the word. If a word wasn't a kangaroo word, then just display the text **\*no** joeys found\* after the colon.

**Sample input** (available as file "A.in"):

6 precipitation drizzle sleet rain snow alone single one lone encapsulate enclose cover envelop wrap fabrication fable fib fake fiction nojoeys hello world prosecute arraign litigate sue summon

Sample output (available as file "A.out"):

precipitation: rain
alone: one lone
encapsulate: \*no joeys found\*
fabrication: fiction
nojoeys: \*no joeys found\*
prosecute: sue