## Lexicographical ordering

In this problem you have to compare two strings lexicographically for a given ordering of english alphabets. For example, the usually ordering is "abcdefghijklmnopqrstuvwxyz" but in this problem ordering can be any permutation of these 26 characters.

## Input

First line contains $T$ the number of test cases. then $T$ test case follow. Each test case is described in 3 lines. First describes the ordering (in exaclty 26 characters) next two lines contains two strings $A$ and $B$ of equal length.

## Output

For each test case print " $>$ " if $A>B$ or " $<$ " if $A<B$ else print "="

## Example

## Input:

1
abcdefghijklmnopqrstuvwxyz
nsit
nits
Output:

