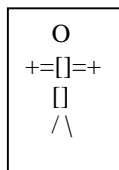


Senior Division

ACSLMAN

**PROBLEM:** In the game ACSLMAN you will be given a word and groups of letters. You must determine if the given groups of letters – in any order - are contained in the word prior to a body figure being drawn. If there are multiples of the same letter, then the letter must appear in the word that many times for the group to be contained in the word. One body part is added for each group not contained in the word. The body figure below consists of the letter O, two bracket sets, 2 equal symbols, 2 plus symbols, a forward slash and a back slash. There are 9 parts in all. The order of the parts printed will be O, left +, left =, upper bracket set, right =, right +, bottom bracket set, forward slash and back slash. The game ends once the figure is completed or all the groups are read.



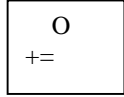
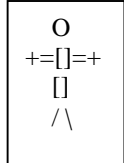
**INPUT:** There will be 5 input lines. Each line will contain a word string followed by a positive integer giving the number of groups of letters to follow and then a series of groups.

**OUTPUT:** Draw the figure for the game. Body parts must align as shown. If the game ends with a partial figure drawn, print the number of unique letters in the word that were contained in any of the groups read. If the game ends with the figure completely drawn, print the number of groups read that were found in the word. If no body parts are drawn, print the word "NONE".

**SAMPLE INPUT**

1. SCIENCE, 8, NE, SCI, ABC, ICS, CC, EECC, XYZW, PQ
2. COMPUTER, 9, AB, BD, EFG, HJK, LNOQ, SVWX, AYZ, CDE, PQR

**SAMPLE OUTPUT**

1.  5
2.  0