AMERICAN COMPUTER SCIENCE LEAGUE

2018-2019			Contest #2		
Intermediate Division - Diff					
考号/Exam Code:	姓名 /N ame:	学校/School:			
	omputer utility is to report the rings to find common substring	differences between two files. gs.	In this program,		
	to a resulting common string a	character in turn in the first stri and delete all characters in the s	0 11		
For example, the commo vdfaddwf to abcdde:	C	dfaddwf is addf. The comm	non string from		

INPUT: 5 lines of data. Each line will contain two strings, A and B. The strings will contain letters only and the strings will be separated by a single blank. Each string will have fewer than 64 characters.

OUTPUT: For each line, find the common string from A to B and from B to A going from left to right. Then repeat the process going from right to left. This will produce 4 common strings. Print in alphabetical order all of the different letters that are contained in all 4 common strings. If there are none that are common to all 4 strings, print "NONE".

SAMPLE INPUT

abcddef vdfaddwf friends afraid delicious indiginous shalom saaalaaam happy shipshape

SAMPLE OUTPUT

- 1. df
- 2. dfir
- 3. iosu
- 4. ams
- 5. hp

TEST INPUT

seashells seashore
newjersey jerseyshore
javaprogramming programinjava
hurricanesandy hurrytosandbeaches
antidisestablishmentarianism antitotalitarianism

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PROBLEM(问题):-	一个有用的计算机实用	程序是报告两个文件之间的差			
个程序中, 你将比较两	个字符串以找到常见的	万子字符串 。			
将使用以下算法:	依次考虑第一个字符串	中的每个字符。如果它出现在	在第二个字		
符串中,请将其添加到	生成的常见字符串中,	并删除第二个字符串中直到证	该字符以前		

例如,从 abcdef 到 vdfaddwf 的常见字符串是 addf。从 vdfaddwf 到 abcdef 的常见字符串是 df。

INPUT (输入): 5 行数据。每行包含两个字符串,A 和 B。字符串只包含字母,字符串之间用一个空格分隔。每个字符串少于 64 个字符。

OUTPUT (输出):对于每一行,从左到右依次找出从 A 到 B 和从 B 到 A 的常见字符串。然后从右向左重复这个过程。将新产生的 4 个常见字符串,按字母表顺序(a-z)输出这 4 个常见字符串共有的不同字符。如果所有 4 个字符串都是空的,则输出"NONE"。

SAMPLE INPUT (示例输入)

abcddef vdfaddwf friends afraid delicious indiginous shalom saaalaaam happy shipshape

SAMPLE OUTPUT (示例输出):

1. df

的所有字符。

- 2. dfir
- 3. iosu
- 4. ams
- 5. hp

TEST INPUT

seashells seashore
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