Problem 259: Cipher Clash

Difficulty: Medium

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Problem Background

In a Lockheed Martin satellite mission, secure communication between ground control and the satellite relies on a clever encoding method: anagrams. An anagram is a word or phrase formed by rearranging the letters of another word or phrase, using all of the original letters exactly once. This encoding ensures that even if a message is intercepted, it is hard to decode without advanced techniques. Your mission is to help verify if the communication between ground control and the satellite is secure by checking for these anagrams.

Problem Description

Given two sentences, one from ground control and one from the satellite, determine if a specific pair of words (identified by their positions in the sentences) are anagrams. For each test case, you'll be given two integers representing the positions of a word in each sentence to compare (the first word in each sentence is represented by 1, the second by 2, and so on). Extract the corresponding word from each sentence and check to see if they are anagrams.

If the words are anagrams, output "Verified;" otherwise, output "Intercepted."

Remember, anagrams are words that use the same letters in different orders. These pairs of words are all anagrams:

- "secure" and "rescue"
- "signal" and "aligns"
- "listen" and "silent"
- "earth" and "heart"

In each test case, the words identified by the position numbers will be different from each other; you will not be asked to compare a word to itself.

Sample Input

The first line of your program's input, **received from the standard input channel**, will contain a positive integer representing the number of test cases. Each test case will include a single line with the following information separated by spaces:

- A pair of index numbers, presented in `[X,Y]` format, representing the positions of the words in each sentence to compare. X indicates the position of the word in the first sentence; Y indicates

the position of the word in the second sentence. For both values, 1 represents the first word, 2 represents the second word, etc.

- The first sentence to evaluate. The sentence will be wrapped in double quotes ("), and may contain any combination of characters other than double quotes.
- The second sentence to evaluate, in the same format as the first sentence.

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2
[6,8] "The missile defense system requires secure protocols" "Specific rules must be followed during the rescue mission"
[6,5] "The satellite must be launched into orbit tonight" "Their mission includes monitoring the robot movement"
```

Note that the sample input only contains three lines of text; the two test cases are wrapping to new lines due to their length.

Sample Output

For each test case, your program must print a single line of text containing the word "Verified" if the identified words are anagrams of each other, or the word "Intercepted" otherwise.

```
Verified
Intercepted
```