

Problem 190: Are You a Spy?

Difficulty: Easy

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Problem Background

You have been hired by the Central Intelligence Agency to help CIA agents identify each other in the field using a secret strategy. Instead of pre-defined code phrases - that's Hollywood nonsense! - the first agent will say a greeting to the second agent. The second agent must respond using words that contain only letters that appear in the original greeting.

Problem Description

You will be given a series of greetings and responses. The greetings and responses can be of any length (not necessarily the same length), and may contain numbers, letters, spaces, and/or punctuation marks.

If all of the letters in the response also appear in the greeting, your program will need to display "That's my secret contact!" You can ignore any numbers, spaces, and punctuation marks when making your comparisons, and can ignore the case of letters.

If the response contains any letter that is not present in the greeting, you should print "You're not a secret agent!" instead.

For example, if the first agent says "Hello there" and receives a reply of "General Kenobi," the second person is not a secret agent (but definitely a Star Wars fan); the letters A, B, G, I, K, and N appear in the response, but do not appear in the greeting. On the other hand, if the agent says "It's raining" and is told "I sang in a train" in response, they can continue the conversation with confidence that they are speaking to another CIA agent.

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 two sentences - the greeting and response, respectively - separated by a pipe character (|). Each sentence may be of any length and may contain any printable character except pipes.

4

Good evening.|Hello there.

Dogs can't fly without umbrellas.|Bread is a stale food.

It's nice to meet you, George.|Greetings to you too, Tim!

It's raining.|I sang in a train.

Sample Output

For each test case, your program must print a single line with the sentence "That's my secret contact!" if the response is valid, or the sentence "You're not a secret agent!" otherwise.

You're not a secret agent!

That's my secret contact!

That's my secret contact!

That's my secret contact!