Pathogen Pursuit

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**Problem Statement:**

In a distant galaxy, a new virus has evolved and is spreading rapidly among the inhabitants of a remote planet. Scientists have successfully identified the virus composition, **V**, and need to quickly identify which individuals are infected. A sample of **N** people is tested by analyzing their blood compositions. If a person's blood composition **B** is a subsequence of the virus composition **V**, they are considered **POSITIVE**, otherwise **NEGATIVE**.

#### **Input:**

#### You are given a T tests cases in a file, where each test case contains:

* The first line contains the **virus composition** **V**.
* The second line contains an integer **N**, the number of individuals.
* The next **N** lines each contain a **blood composition B** of an individual.

#### **Output:**

For each individual, print **POSITIVE** if their blood composition is a subsequence of the virus composition; otherwise, print **NEGATIVE**. At the end, print the **number of infected individuals**.

**Example:**

Input:

coronavirus

3

ravus

corona

vonac

Output:

POSITIVE

POSITIVE

NEGATIVE

Infected Individuals : 2

**Flag:**

Apply a circular shifting technique, where each digit from the number of infected persons shifts starts from the previous character, and if the shift goes beyond "Z," it wraps around back to "A." Let’s break it down with the example **"6087"**:

* 6 → "F"
* 0 → Skip (no character)
* 8 → "N"
* 7 → "U"

Resulting in: "**FNU**". The flag format is:

{shift\_word} Report: {counts} POSITIVE.

So the flag for **“6087”** should be:

FNU Report: 6087 POSITIVE.