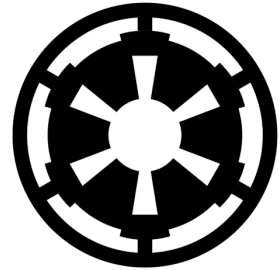


# Task 04: Imperial Transmissions

**[70 points]**

The Rebel Alliance needs your help decoding an encrypted Imperial message. Being naïve and unsophisticated, Director Krennic has decided to encrypt all Imperial transmissions using a simple substitution cipher. The letters of the alphabet are transposed such that the resulting alphabet is backwards. For example, the letter **a** would be replaced by **z** and the letter **b** would be replaced with **y**, etc.



## Problem Statement

Given an encrypted message, help the Rebels decrypt it.

## Input Format

The first line contains  $T$ , which denotes the number of test cases. This is followed by  $T$  lines, each containing an encrypted message, in lowercase and without punctuation.

## Output Format

For every input  $T$ , output the decrypted message.

## Sample Input

```
2
ivyvo hxfn szev yvvm hklggvw zg gsv hxziru yzhv
blf nfhg hvv oliw ezwvi zg lmxv
```

## Sample Output

```
rebel scum have been spotted at the scarif base
you must see lord vader at once
```