

# Intermediate Problems

## Problem 5: Search and Replace

15 minutes, 150 points

Filename: prob05 (e.g. *prob05.c*, *prob05.cpp*, *prob05.java*, *prob05.py2*, *prob05.py3*)

### Description

You will be given a word, a search string, and a replace string. Perform the search/replace on the original word and output the new word.

The first line of input will include a single integer that indicates how many additional lines of input need to be read. Each additional line of input will contain a word, a search string, and a replace string. The original word and search/replace strings will only contain uppercase letters. The word and strings will NOT contain any numbers, spaces, or other special characters.

Each line of output should contain the new word. If the search string is not found in the original word, output the original word without making any changes.

### Sample Input

```
3
OFTEN FT P
SOURCED ED E
HARDWARE HARD SOFT
```

### Sample Output

```
OPEN
SOURCE
SOFTWARE
```