

Problem Set 01

C++ is so easy!

Introduction

Dr.Chou and his TAs want to help IM101s learn C++ as best as they can. Actually, C++ is not, uh, that difficult. So Hector decided to assign a easy homework in the first week, then everybody loves C++.

However, he encrypted the problem set text and now he lost his passwords to decrypt those beautiful test data. As a good student like you, you must help Hector to solve the problem, and then enjoy the homework.

Unfortunately, Hector is now having a trip abroad, he leaves a message as follow:

y
 $\int t^{0.75} dt + 8/z = M$, and [M] with Caesar's intelligence!
x

What's this! Can you resolve?

Problem

For each test data, there will be three integer x, y and z in a line, separated by blanks. The next line is a sentence, no more than 50 characters, contains only words and punctuations. Please use the information given to decrypt the true sentences. If x, y can't be negative, they won't.

What? Hints? Okay, okay. Only a~z and A~Z need your consideration. No more spaces and endlines is allowed. And be careful, there will be critical test cases, but special characters like NULL won't be there.

Sample Input

```
1 1 8
ABCDEF^____^WCqy
1 2 8
G jmtc A njsq njsq!
```

Sample Output

```
BCDEFG^____^XDrz
I love C plus plus!
```

Note : 1.Inputs is assumed to be in "in.txt", while the output should be like "B98705001_1.txt".

2.After each line output, give a newline after it.

edited by Hector 2009/02/23