

**Problem 3**

Task Description  
Compaq has just recently discovered that a hacker has gained access to the mail traffic on its internal network. To prevent further unauthorized access to its interoffice email, Compaq has created a secret code that is applied to the text of all email messages. Your job is to write a program to change the line of text entered by the user using this new secret code.

The secret code replaces each vowel with a secret character as follows:

Vowel Replacement  
A \*  
E $  
I #  
O !  
U %  
Y ^

Program Input  
A line of text (in the file a.in). End the program when the text “end” is entered.

Hewlett-Packard Company, Year 2000 Financial Report  
end

Program Output

(in the file a.out)  
C!mp\*q C!mp%t$r C!rp!r\*t#!n, ^$\*r 2000 F#n\*nc#\*l R$p!rt