



Four Letter Words

Source: Based on a problem from the 1998 University of Waterloo Computer Programming Contest

The "Society for the Prevention of Profanity on the Internet" is concerned about the number of four-letter words being transmitted on chat programs and has proposed the mandatory use of software to remove all four-letter words from every transmission.

Write a C++ program that will allow the user to enter a line of text and then display the censored message.

All four-letter words should be censored by replacing them with four asterisks (****).

Sample Input:

The quick brown fox jumps over the lazy red dog

Sample Output:

The quick brown fox jumps **** the **** red dog