#include <iostream>

#include <string>

#include <string.h>

using namespace std;

int main()

{

string input;

char decryptedMsg[0];

char key[] = "bacon";

int i, length = 1;

cout << "enter the message you want to decrypt:";

cin >> input;

for(i = 0; i < length; ++i)

decryptedMsg[i] = (((input[i] - key[i]) + 26) % 26) + 'A';

decryptedMsg[i] = '\0';

return 0;

}