

Account encrypting

Your task is to write a function **encode64** that encode a string in **base64 utf-8**. In particular you have to code an account information (username **U** and password **P**).

First thing you must chose a special symbol **X** from the above:

+ - & | ! () { [] ^ ~ * ? : . , < > _ /

Then you have to read username **U** and password **P**.

You have to pass **X,U,P** to the function **encode64**. The function will concatenate the strings in a string **S** with structure:

Username + special_symbol + password

Finally you have to encrypt string **S** in **base64 utf-8** codification.

*Tips. You can work with the library **base64**.*

Input

The first line of input contains a character **X** that is the special symbol.

The second line of input contains a string **U** that is the username.

The third line of input contains a string **P** that is the password.

Output

The first line displays the **base64 utf-8** encrypted string **S** if the requirements are fulfilled, **Wrong** otherwise.

Sample input

Sample output

: fun88 mypassword!	b'ZnVuODg6bXlwYXNzd29yZCE='
xx username password	Wrong
: fgpe 20FGPE20	b'ZmdwZToyMEZHUEUyMA=='