

Automatic Brainf**k Code Generator (Shortening AI)

In this problem, you'll make an automatic Brainf**k code generator. Given a text file (input data), your program should output brainf**k code that if executed it will print the text file (exactly same with given input data). The text file contains printable ASCII character only: { '<line feed>'(ASCII(10)) , '<space>'(ASCII(32)) , ... , '~'(ASCII(126)) }. It's guaranteed that the filesize of text file is less than 1MB.

Input

Text file containing printable ASCII only with size<1MB.

Output

Brainf**k code that print that text file.

Score

Your score is: Sum of all BF code length in all test data

Example

Input:

Hello World!

Output:

```
+++++[>++++>++++>++++>+<<<<-]  
>+.>+.+++++.++++>+.<<+++++.>+.----->+.>.
```

Your Score (BF Code Length, valid command only):

111

Note: This is the first time I make my own judge, I've tested it hundred times with various test data, and so far no bug is found (found some but has been fixed). If you found a bug, you can send me info via PM or email, I'll fix that as soon as possible. Btw, here is the [judge for this problem](#), maybe it'll be useful information for you. Good Luck and Have Fun :-D

See also: [Another problem added by Tjandra Satria Gunawan](#)