Text machine

- Time limit: 1 second
- Memory limit: 128 MB

In this program, you are asked to implement a small text machine with a set of simple functions. The working procedure is such that at the beginning of the program, it receives an initial text string (with a maximum length of 1000) from the input. Next, until he receives the exit command, the user requests an operation on the text string every time.

Input

Operations are defined as follows:

Description and output	Input command
SHIFT-R N	Shifts all characters of the expression to the right by N units.
SHIFT-L N	Shifts all characters of the expression to the left by N units.
EXTEND N	Adds N new characters to the end of the existing string and sets a star (*) as the default value of the characters.
SHRINK N	Removes N characters from the end of the string. If the length of the string is less than N, the resulting string will be an empty string.
REVERSE	Reverses the string.
PUT IC	Replaces the Ith placeholder of the string with the letters C. Note that the number of places starts from one and the smaller I will always be equal to the length of the string.
PRINT	Prints the current string and moves to the next line.
EXIT	Finish the program

Output

Your program will output only for the print operation and for other commands it will only perform the desired operation on the text string. In implementing this question, you should consider a function for all commands (except exit) and perform the operation by calling that function. As an example, the signature of functions should be as follows:

```
void Extend( char *string, int _extendedLength);
```

Example

Sample input 1

Questions

100 Level of addiction
100 Difficult cooperation
125 gathering of elders
150 Security issue
250 Great typist
500 Text machine

All submissions

Final submissions

Scoreboard

```
initial string
PRINT
EXTEND 2
SHIFT-R 3
PRINT
PUT 3 O
REVERSE
SHRINK 2
PRINT
EXIT
```

Sample output 1

```
initial string
g**initial strin
nirts laitinio
```

Sample input 2

```
Test
PRINT
SHRINK 20
PRINT
EXTEND 2
PRINT
EXIT
```

Sample output 2

```
Test

**
```

POST AN ANSWER TO THIS QUESTION

.The training period is over