

A company wants to keep their top-secret project so they implement their own way of encoding and decoding their communication. Each character is saperated by using space and represented by set of some characters. It can be decoded by combining all these characters (using ASCII code) and mod by 90 which results in ASCII code of the decoded character.

For example, if Mr. Elon says to Tom ">22 ;)= \$( B22 O" . Mr. Tom needs to decode the word as follows:

>22 is H because  $(62+50+50)\%90 = 72$  which represents character 'H' in ASCII code.

;(< is E  $(59+40+60)\%90 = 69$  which represents character 'E' in ASCII code.

\$( is L  $(36+40)\%90 = 76$  which represents character 'L' in ASCII code.

B22 is L  $(66+50+50)\%90 = 76$  which represents character 'L' in ASCII code.

O is O  $(79)\%90 = 79$  which represents character 'O' in ASCII code.

so Tom will gets **HELLO**

You are an employee of this company and you need to write a program to decode the given message correctly.

The input consists of two lines. The first line is numer of characters in the given message. The second line is a set of encoded characters.

HINT: you can cast datatype int to char as an example.

```
int a=65;
```

```
char c=(char)a;
```

```
System.out.println(a);
```

**For example:**

Input	Result
5 >22 ;(< \$( B22 O	HELLO
1 saJKJ	K