Decompression

Time limit: 1 second

Problem Description

A compressed string consists of any number of pairs, where each pair consists of (number, pattern). A pattern can be a sub-string with any length, e.g.,"ab". The number designates the number of repetition of the pattern. This assignment is to decompress the compressed string. For example, we will decompress "3ab" into "ababab".

Input File Format

The input file consists of a number of strings, where each string is separated by a newline. Each number is between 1 and 9, and the string consists of only English characters. Each compressed string is known to be less than 1024 characters. However, the decompressed string will be longer than 1024bytes.

Output Format

Output the decompressed strings, one line for one test case.

Sample Input

```
2a3bc
1ABC3abc
2a3b5xyz1d
```

Sample Output

```
aabcbcbc
ABCabcabcabc
aabbbxyzxyzxyzxyzxyzd
```