

Numbers Histogram

Input file: **standard input**
Output file: **standard output**
Time limit: 1 second
Memory limit: 256 megabytes

Given **3** lines of input described as follow:

1. First line contains a symbol S .
2. Second line contains a number N .
3. Third line contains N numbers.

For each number X_i in the N numbers print a new line that contains the symbol S repeated X_i time.

Input

The first line contains a symbol S can be $(+, -, *, /)$.

The second line an number N ($1 \leq N \leq 50$).

The third line contains N numbers ($1 \leq X_i \leq 100$).

Output

Print the answer required above.

Example

standard input	standard output
+	+++++
5	++
5 2 4 3 7	++++
	+++
	+++++++

Note

Don't print any extra spaces after symbol S .