

E. Anfisa the Monkey

time limit per test: 2 seconds

memory limit per test: 256 megabytes

input: standard input

output: standard output

Anfisa the monkey learns to type. She is yet unfamiliar with the "space" key and can only type in lower-case Latin letters. Having typed for a fairly long line, Anfisa understood that it would be great to divide what she has written into k lines not shorter than a and not longer than b , for the text to resemble human speech more. Help Anfisa.

Input

The first line contains three integers k , a and b ($1 \leq k \leq 200$, $1 \leq a \leq b \leq 200$). The second line contains a sequence of lowercase Latin letters — the text typed by Anfisa. It is guaranteed that the given line is not empty and its length does not exceed 200 symbols.

Output

Print k lines, each of which contains no less than a and no more than b symbols — Anfisa's text divided into lines. It is not allowed to perform any changes in the text, such as: deleting or adding symbols, changing their order, etc. If the solution is not unique, print any of them. If there is no solution, print "No solution" (without quotes).

Examples

input

3 2 5
abrakadabra

output

ab
rakad
abra

input

4 1 2
abrakadabra

output

No solution