## A. The Text Splitting

time limit per test: 1 second memory limit per test: 256 megabytes

input: standard input output: standard output

You are given the string s of length p and the numbers p, q. Split the string s to pieces of length p and q.

For example, the string "Hello" for p=2, q=3 can be split to the two strings "Hell and "lo" or to the two strings "Helland" llo".

Note it is allowed to split the string s to the strings only of length p or to the strings only of length q (see the second sample test).

## Input

The first line contains three positive integers n, p, q ( $1 \le p, q \le n \le 100$ ).

The second line contains the string *s* consists of lowercase and uppercase latin letters and digits.

## Output

If it's impossible to split the string s to the strings of length p and q print the only number "-1".

Otherwise in the first line print integer k — the number of strings in partition of s.

Each of the next k lines should contain the strings in partition. Each string should be of the length p or q. The string should be in order of their appearing in string s — from left to right.

If there are several solutions print any of them.

## **Examples**



output	Сору
-1	
input	Сору
8 1 1 abacabac	
output	Сору
очерие	3379
8	[2007]
	(35)
8	(30)
8 a	
8 a b	COPY
8 a b a	COPY
8 a b a c	
8 a b a c a	