

## A. Set of Strings

time limit per test: 1 second

memory limit per test: 256 megabytes

input: standard input

output: standard output

You are given a string  $q$ . A sequence of  $k$  strings  $s_1, s_2, \dots, s_k$  is called *beautiful*, if the concatenation of these strings is string  $q$  (formally,  $s_1 + s_2 + \dots + s_k = q$ ) and the first characters of these strings are distinct.

Find any *beautiful* sequence of strings or determine that the *beautiful* sequence doesn't exist.

### Input

The first line contains a positive integer  $k$  ( $1 \leq k \leq 26$ ) — the number of strings that should be in a *beautiful* sequence.

The second line contains string  $q$ , consisting of lowercase Latin letters. The length of the string is within range from 1 to 100, inclusive.

### Output

If such sequence doesn't exist, then print in a single line "NO" (without the quotes).

Otherwise, print in the first line "YES" (without the quotes) and in the next  $k$  lines print the *beautiful* sequence of strings  $s_1, s_2, \dots, s_k$ .

If there are multiple possible answers, print any of them.

### Examples

<b>input</b>
1 abca
<b>output</b>
YES abca
<b>input</b>
2 aaacas
<b>output</b>
YES aaa cas
<b>input</b>
4 abc
<b>output</b>
NO

### Note

In the second sample there are two possible answers:  $\{ "aaaca", "s" \}$  and  $\{ "aaa", "cas" \}$ .

### Codeforces Round #302 (Div. 2)

Finished

#### → Virtual participation

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Start virtual contest

#### → Problem tags

implementation

No tag edit access

#### → Contest materials

- Announcement 
- Tutorial 