

Text Wrap

You are given a string S and width w .

Your task is to wrap the string into a paragraph of width w .

Input Format

The first line contains a string, S .

The second line contains the width, w .

Constraints

- $0 < \text{len}(S) < 1000$
- $0 < w < \text{len}(S)$

Output Format

Print the text wrapped paragraph.

Sample Input 0

```
ABCDEFGHIJKLMNOQRSTUVWXYZ  
4
```

Sample Output 0

```
ABCD  
EFGH  
IJKL  
IMNO  
QRST  
UVWX  
YZ
```