

Problem Statement

Textwrap

The textwrap module provides two convenience functions, *wrap()* and *fill()*.

textwrap.wrap()

Wraps the single paragraph in text (a string) so every line is at most *width* characters long. Returns a list of output lines.

```
>>> import textwrap
>>> string = "This is a very very very very long string."
>>> print textwrap.wrap(string,8)
['This is', 'a very', 'very', 'very', 'very', 'very', 'long', 'string.']
```

textwrap.fill()

Wraps the single paragraph in text, and returns a single string containing the wrapped paragraph.

```
>>> import textwrap
>>> string = "This is a very very very very long string."
>>> print textwrap.fill(string,8)
This is
a very
very
very
very
very
long
string.
```

Task

You are given string S and width w .
Your task is to wrap the string into a paragraph of width w .

Input Format

First line contains, string S .
Second line contains, width w .

Constraints

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

Output Format

Print the text wrapped paragraph.

Sample Input

```
ABCDEFGHIJKLMNOQRSTUVWXYZ
4
```

Sample Output

ABCD
EFGH
IJKL
IMNO
QRST
UVWX
YZ