Lecture 32: More Problems

Justify!

Problem: Given a line of text (a string) containing at least two words, return a reformatted version of it that is *justified* to some number, N, of characters. That is, spacing between words is to be evened out (as much as possible) and adjusted so that the resulting string is exactly N characters long and does not begin or end with a space. Define a *word* to be a maximal sequence of characters that does not include blanks.

Example: Justify

    The␣␣quick␣brown␣␣␣␣␣␣fox␣jumps␣over␣the␣lazy␣dog.

to 55 characters, giving

    The␣␣␣quick␣␣␣brown␣␣␣␣fox␣jumps␣␣over␣␣the␣␣lazy␣␣dog.

Program:

```
def justify(text, length):
    ?
```