

# 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):  
    ?
```