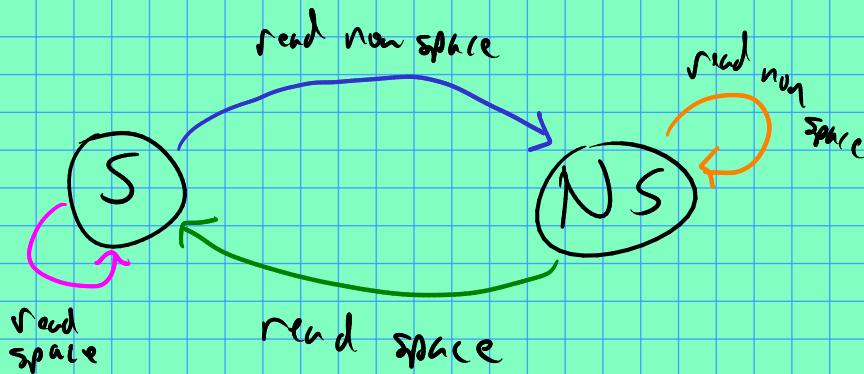Write a function to count the # of
words in a file.
To begin, start w/ a single line.

there are kind of two "modes":
  Just read space mode (S)
  Just read non-space mode (NS)

Idea: start in (S) mode.
then increment count on blue arrow.

(c.f. lex + yacc + bison)

```
size_t countWords (const string& s)
{
    bool justreadspace = true;
    size_t count = 0;
    for (size_t i= 0; i < s.length(); i++) {
        char c = s[i]; // current char.
        if (justreadspace) {
            if (c = ' ')
                // nothing to do
            else {
                count ++; // beginning of word.
```

```
                                 just readspace = false;
            }
        } else {
            if (c = ' ') {
                just readspace = true;
            } else
                // nothing to do.
        }
    } // end loop.

    return count;

}
```