4. Sandwich

In the file `Sandwich/main.cpp`, you need to write a function that takes a string (called `line`) and a pointer to a char (`bread_ptr`), named `Sandwich`. This function should return a pointer to a char. That returned pointer to char should be the first instance in the string where the `bread_ptr`'s char is both before and after the focal character.

For example, in the string "Char is a character", if the `bread_ptr` points at an `a`, the function should return a pointer that points at the first `r` char in “Character” as that `r` has an `a` immediately before and after it.

If there is no sandwich in line, then please return a null pointer (a pointer with the value of `nullptr`).

Please be sure that the pointer you return points at a character inside the string (not just a character with the value you want). The test cases confirm this by changing the character pointed at and checking if the string has changed. Example test case:

```
std::string line = "Char is a character";
char bread = 'a';
char * filling_ptr = Sandwich(line, &bread);
CHECK(*filling_ptr == 'r');

// Make sure that the pointer points into the string
CHECK(line == "Char is a character");
*filling_ptr = 'Z';
CHECK(line == "Char is a chaZacter");
```