

**Homework Project 2**

Given 10/16/2018, Due 11/05/2018

Implement a function

```
int count_keys(tree_node_t *tree, key_t a, key_t b);
```

that counts the keys  $x$  with  $a \leq x \leq b$  in the leaf nodes of the given search tree. The function should work with the given code for a height-balanced tree. Do not include the code of the height-balanced tree in your submission; submit only the code you wrote yourself.

Submit your source code by e-mail to [phjmbrass@gmail.com](mailto:phjmbrass@gmail.com); include the course (220) and homework number in the subject line, and your name as a comment in the homework file.