

Exercise Session

1. Discuss <http://java.sun.com/javase/6/docs/api/java/util/TreeMap.html>
2. GT Ex. C-3.8 p. 214
3. GT Ex. C-3.10 p.214. In order to simplify just design an algorithm that counts elements in the range or prints all elements in the range.
4. What is the worst case sequence for the version of QUICK-SORT presented in the lecture?
5. Now the same question, but we modify the partition to choose always the first (or always the last) element in the sorted range.
6. GT Ex. C-4.1 p. 252

Problems For Self-Study

1. GT Ex. C-4.4 p. 252
2. GT Ex. C-4.13 p. 253
3. GT Ex. C-4.16 p. 253

Total order relations are defined on p. 94 in GT.

Homework Assignment

GT Exercise R-4.5 p. 251, C-4.2 p. 252 and C-4.12 p. 253 [ca. 2-3 hours]

Deadline: before the lecture on March 14.