

Name:

Pers.nr.:

E-mail:

## TIN092 — Algorithms

# Exercise Set 3

**Note:** By submitting, you agree with the exercise set policy, which we enforce strictly:  
[http://www.cse.chalmers.se/edu/course/TIN092/info.html#deliverables\\_exercisesets](http://www.cse.chalmers.se/edu/course/TIN092/info.html#deliverables_exercisesets)

---

### Exercise 1

As exercise [KT 6.8]. Rigorous correctness proof not required.

a) *Points: 1*

b) When showing runtime efficiency, remember to include the space complexity of your algorithm. *Points: 4*

## Exercise 2

As exercise [KT 6.25]. Rigorous correctness proof not required. When showing runtime efficiency, remember to include the space complexity of your algorithm. *Points: 5*