## Week 7 — Sheet 6

**Algorithms and Data Structures** 

# Debriefing of Submissions

### Induction

- Hypothesis:
  - Assume for any  $k \in \mathbb{N}$ ...
  - Assume for all  $k \in \mathbb{N}$ ...

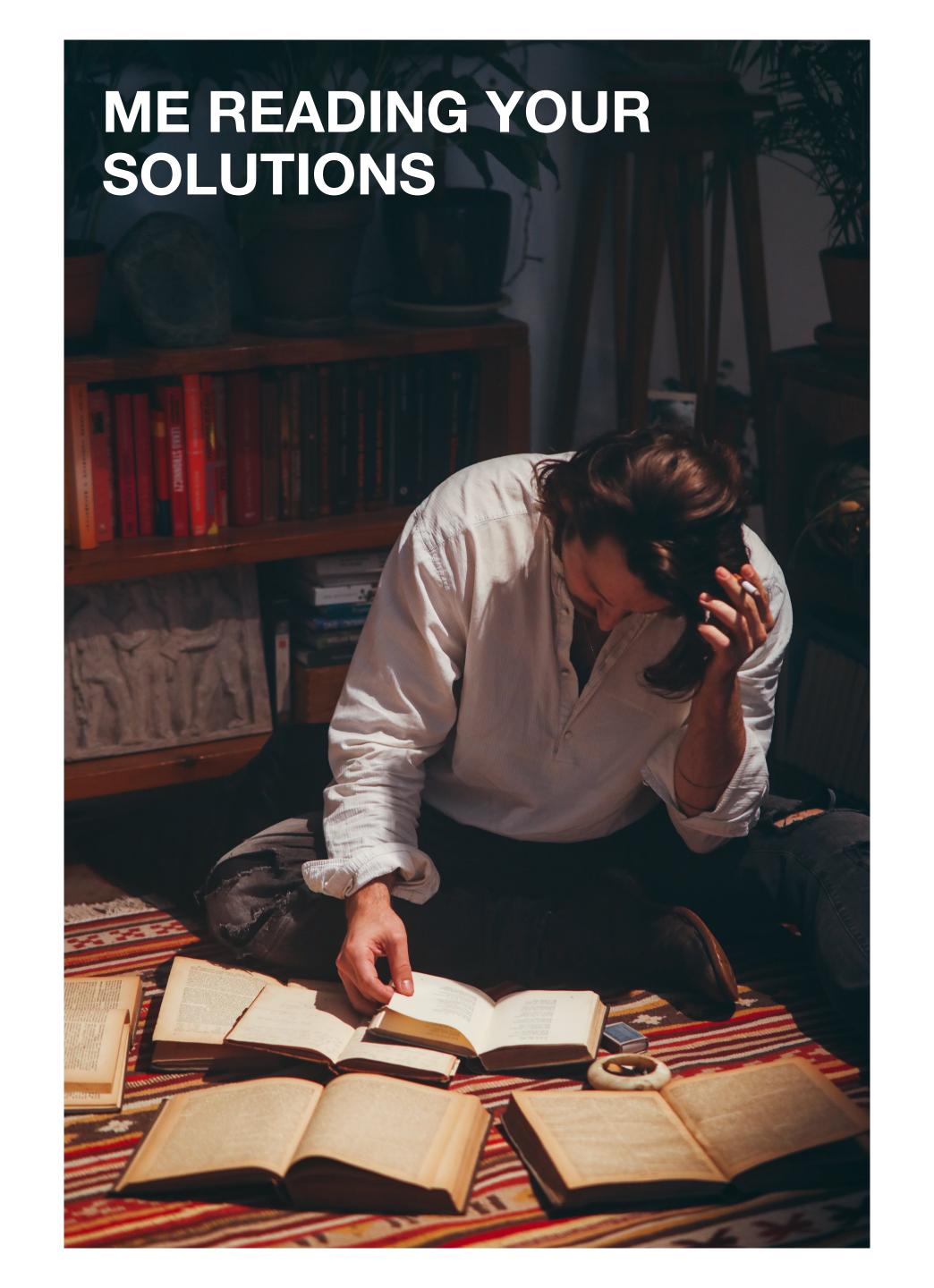
### Induction

- Hypothesis:
  - Assume for any  $k \in \mathbb{N}$ ...
  - Assume for all  $k \in \mathbb{N}$ ...
  - Assume there exists/for some  $k \in \mathbb{N}$

### Decision Tree

- Root is depth 0 (smallest root)
- Description of the decision tree

### Wordiness



### Wordiness

#### In all seriousness...

- Sometimes less is more
- Try to reduce it to the most important/essential parts
- Being able to write good solutions takes time and practice

### On the other hand: Too short/informal

- Too short/informal? What is the grader going to think?
  - Either it was super easy/trivial for you
  - Or you weren't totally confident in your solution and had to leave out some details

### Structure

$$a + x = b + x = c + x$$

$$b + x = c + x$$

$$b + x = c + x$$

$$b + x = c + x$$



### Structure

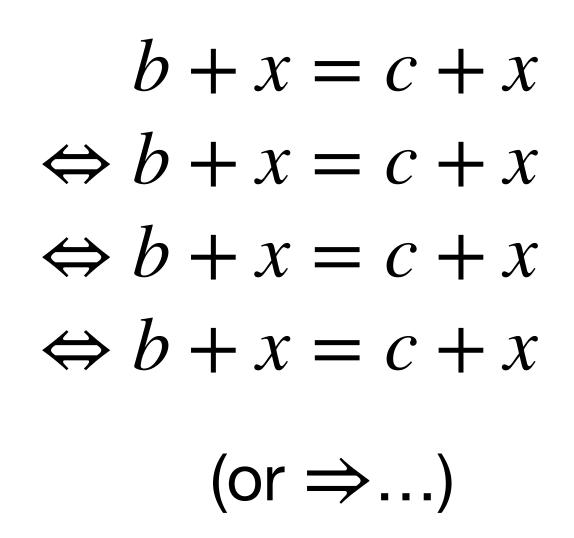
$$a + x = b + x = c + x$$

$$= c + x$$

$$= c + x$$

$$= c + x$$

$$= c + x$$





## Exercise Sheet 6

## Debriefing of Exercise Sheet 6