

Chair of Software Engineering



#### **Code Review - Exercise**

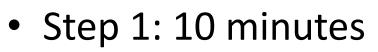
**Exercise Session** 

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### Preparation

- Build teams of 3 people
- Roles:
  - Moderator: define the goals of code review (e.g. checklist), chair the review
  - Author 1/Reviewer 2: write the code, answer questions during review, review code of Author 2
  - Author 2/Reviewer 1: write the code, answer questions during review, review code of Author 1
- Produce a review report
  - Include: date, names and roles, material inspected, defects found

### Exercise



Moderator defines code review guidelines

- Authors write code
- Step 2: 15 minutes

Reviewer 1 reviews code of Author 1

• Step 3: 15 minutes

Reviewer 2 reviews code of Author 2

• Presentation

- Oral presentation of review reports

## Programming task

Write an Eiffel Implementation such that:

Given three arrays **x, y, z** as inputs, all occurrences of **y** in **x** are replaced with **z**. Note that **y** and **z** can be of different length.

E.g.

Input: x=<<**1,2,3**,2,1,3,**1,2,3**,4>>, y=<<1,2,3>>, z=<<1,3>> output: x'=<<1,3,2,1,3,1,3,4>>