Code Review - Exercise

Exercise Session

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

- Step 1: 10 minutes
  - 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>>