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: \(x'=<<1,3,2,1,3,1,3,4>>\)