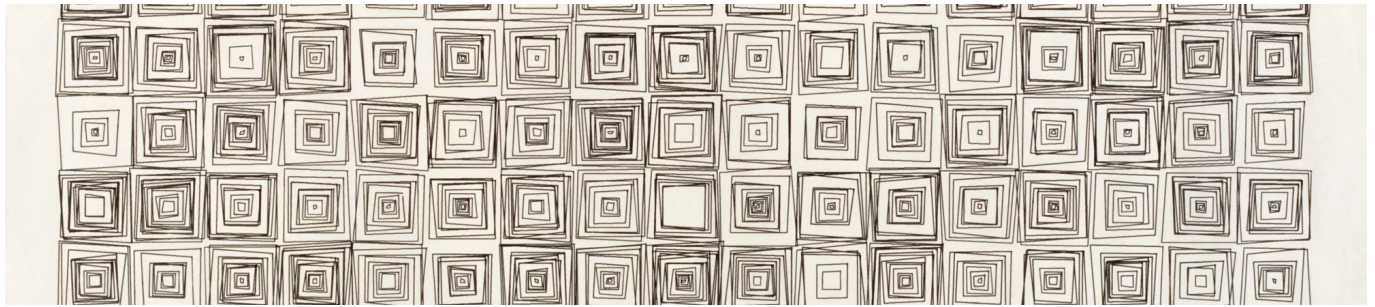# Personal Toolbox - Recode *(Des)Ordres*

In this series of assignments, you will be building your own library for drawing with SVG. This assignment extends your work on representing primitive components in "Recode *Sainte-Victoire en Rouge*", asking you to now implement representations of paths, polylines, and groups.

Your goal in this assignment is to write a program that generates an SVG file. This file should (to some reasonable degree) replicate (Des)Ordres (1974) by Vera Molnár.

To do this, you will need to implement reusable program components that can represent each of these SVG elements:

- Polylines
- Paths
- Groups

Use your new `group` component, as well as your previous primitive components, to draw *(Des)Ordres* as an SVG file. Then, use your new `polyline` and `path` components to create one or more creative variations on the original.

Learning Goals

- Practice designing and using tile-like objects in SVG
- Practice writing reusable code components
- Expand and refactor your own library to incorporate composite components

Deliverables

- An SVG file that replicates *(Des)Ordres*.
- One or more SVG files that are variations on *(Des)Ordres*.
- The program that generated the SVG files, containing your library (which should now be primitive components + path, polyline, and group).
- A README.md file that briefly explains how to run your program, where to find your primitive components, and any important design decisions you made.

> All of the above should be committed to a GitHub repository; submit the URL of this repository.

Grading Criteria

> So long as you attend the critique, work may be redone and resubmitted for a higher grade.

A	- Your recreation is accurate and thoughtfully done. - Your variations are interesting and demonstrate creative risk-taking. - Your components do their job and are used to create the artwork. - Your readme is clear and sufficient.
B	One of the required components is missing.
C	You did not participate in critique, or the work does not reflect your capacity.
D	
F	Multiple components are missing entirely, the work is incomplete, or the work is clearly phoned in (well below your capacity).