Visual Analytics Processing.org

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- Project proposals
  - Choose one (or more) dataset(s) from http://dati.toscana.it
  - Submission before 16th March (send to my email address with tag [VA])
- Processing Classroom repository
  - http://www.openprocessing.org/classroom/4698

Processing.org Installation

- Download IDE from http://processing.org
- Expand archive file
- Execute the application

Anatomy of Code Editor

sketch_may06a

Display window

Processing

Toolbar

sketch_may06a

Tabs

Text editor

Message area

Console
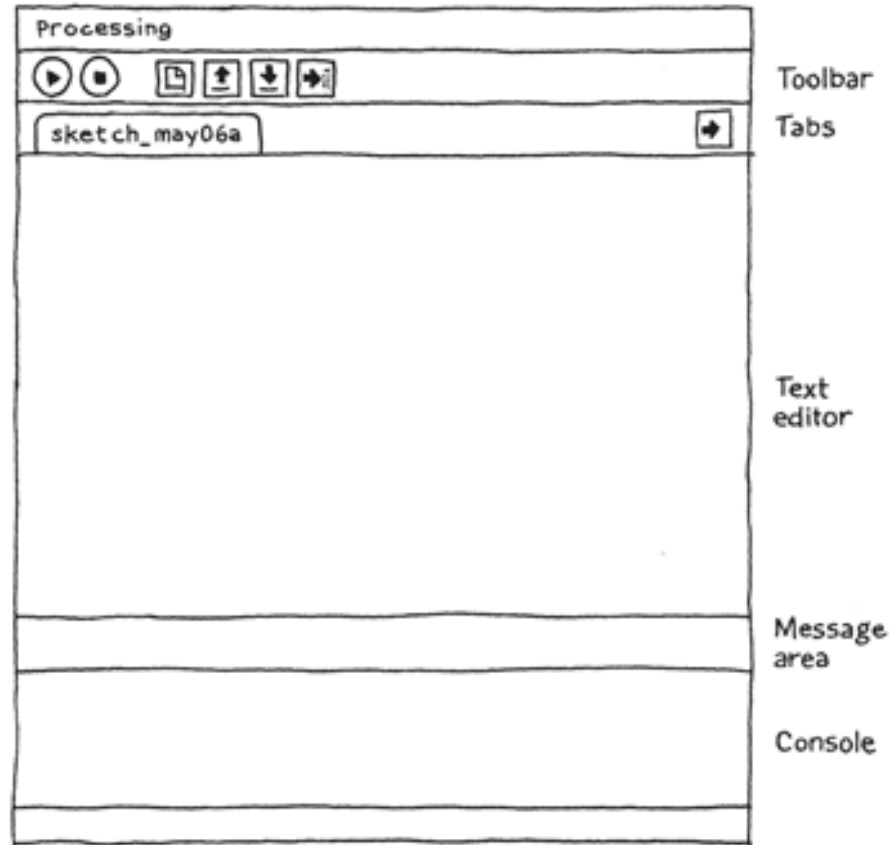
Anatomy of Code Editor

▶ Execute current Sketch

■ Stop execution of current Sketch
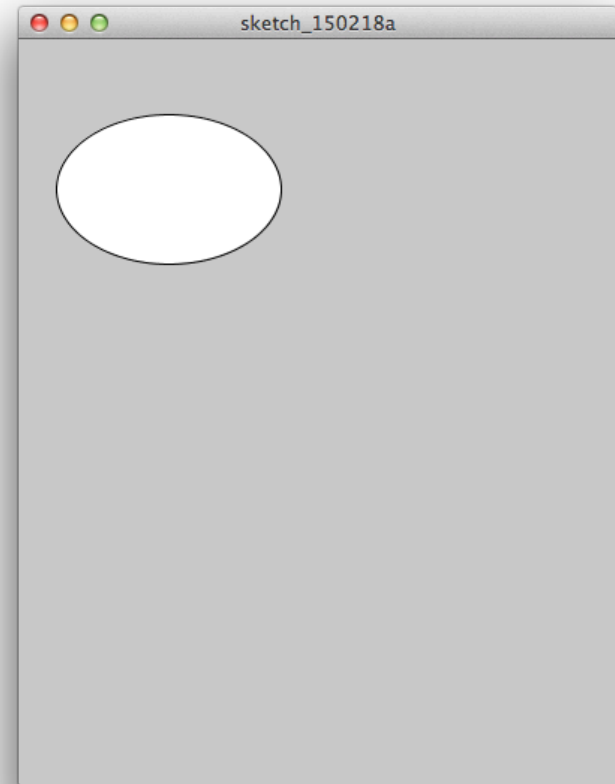
⬇ Save current Sketch

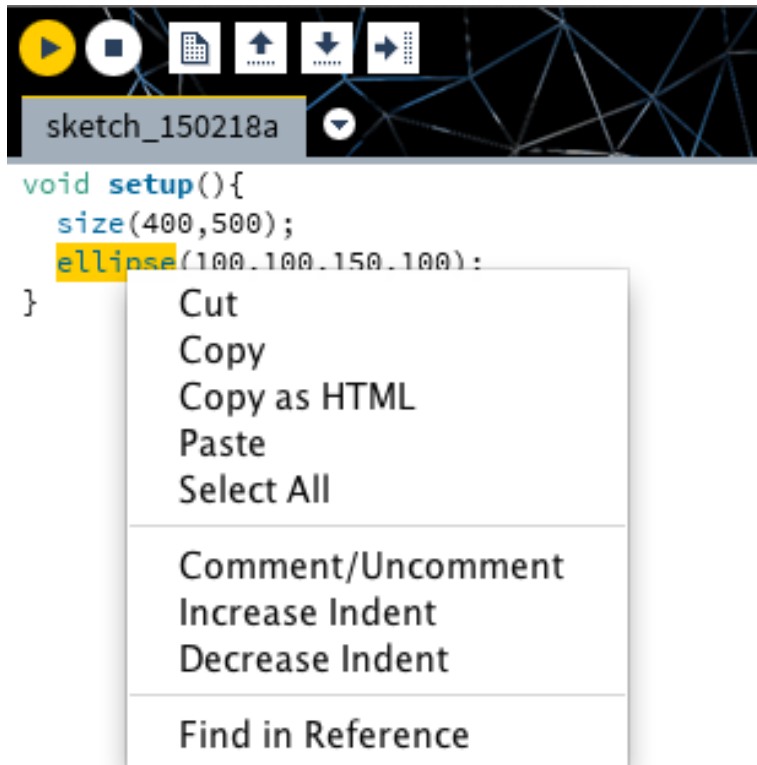⬆ Load an existing Sketch from disk

Start a new Sketch

➡ Export current Sketch as a standalone app

Sketch	
Run	⌘R
Present	⇧⌘R
Stop	
Import Library...	▶
Show Sketch Folder	⌘K
Add File...	

Our first Sketch


```
void setup(){
  size(400,500);
  ellipse(100,100,150,100);
}
```

Asking for references

- Each keyword is linked with its API documentation
- Easily accessed with right-button click

Live Demo

- Reference System
- Background
- Color
- Regular Geometries
  - rect, point, line, ellipse, polygon
- RectMode(), EllipseMode()
- Complex shapes
  - beginShape(), endShape()
- Text

- setup(), draw()
- Custom fonts
- Variables
- Flow control
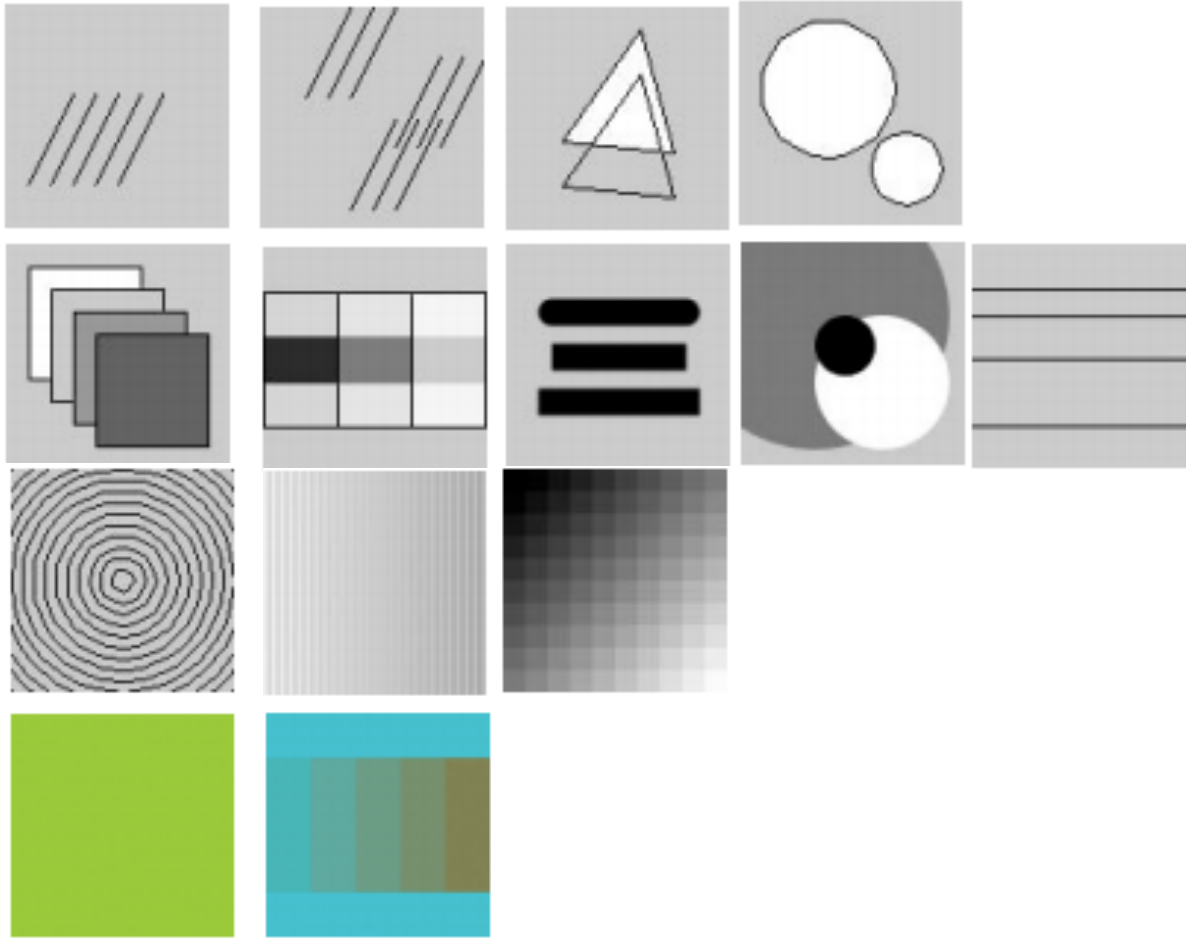- Interaction: mouse and keyboard

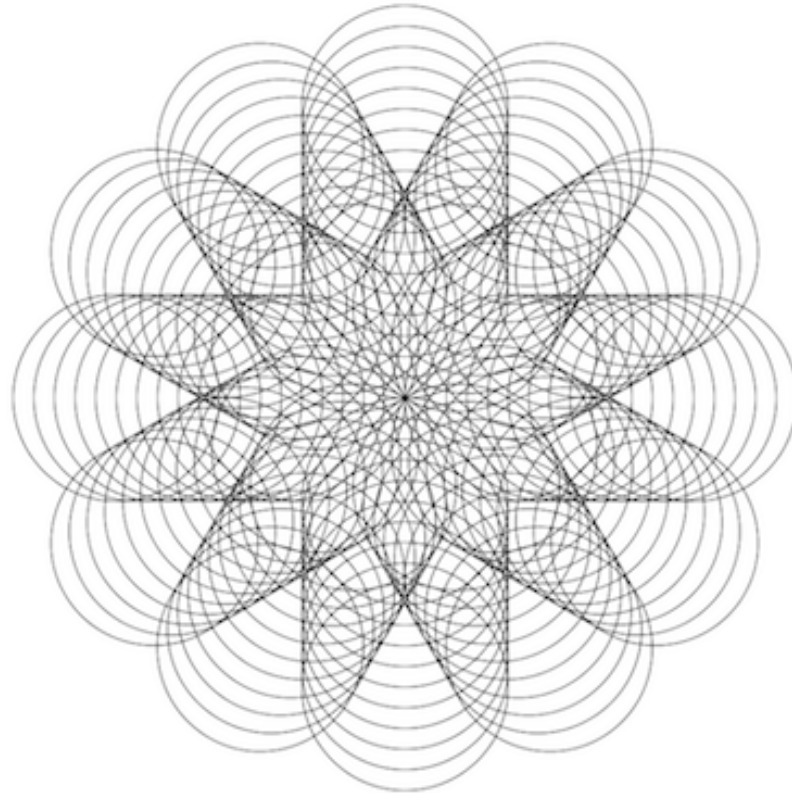# Browse Examples Directory

From menu "Open…"
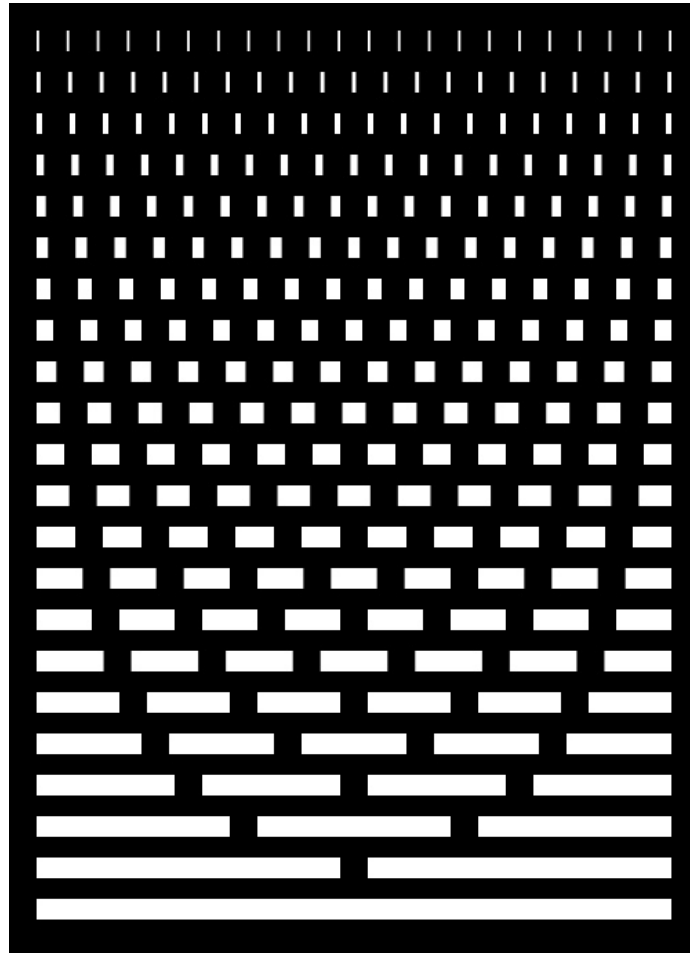choose item "Examples…"
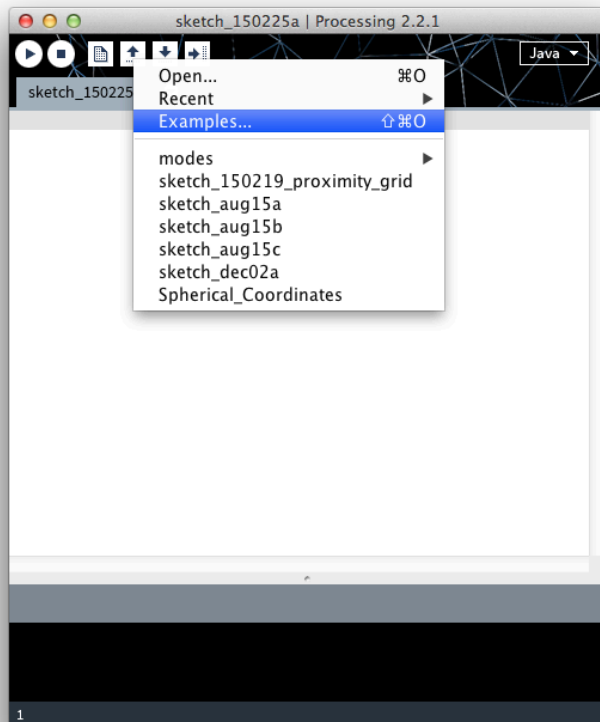
Explore examples within
"Processing Handbook"
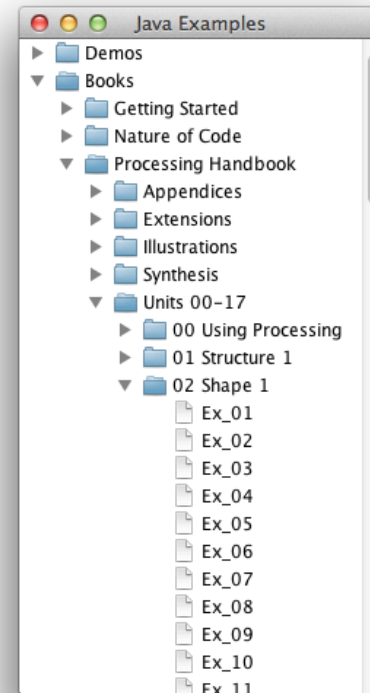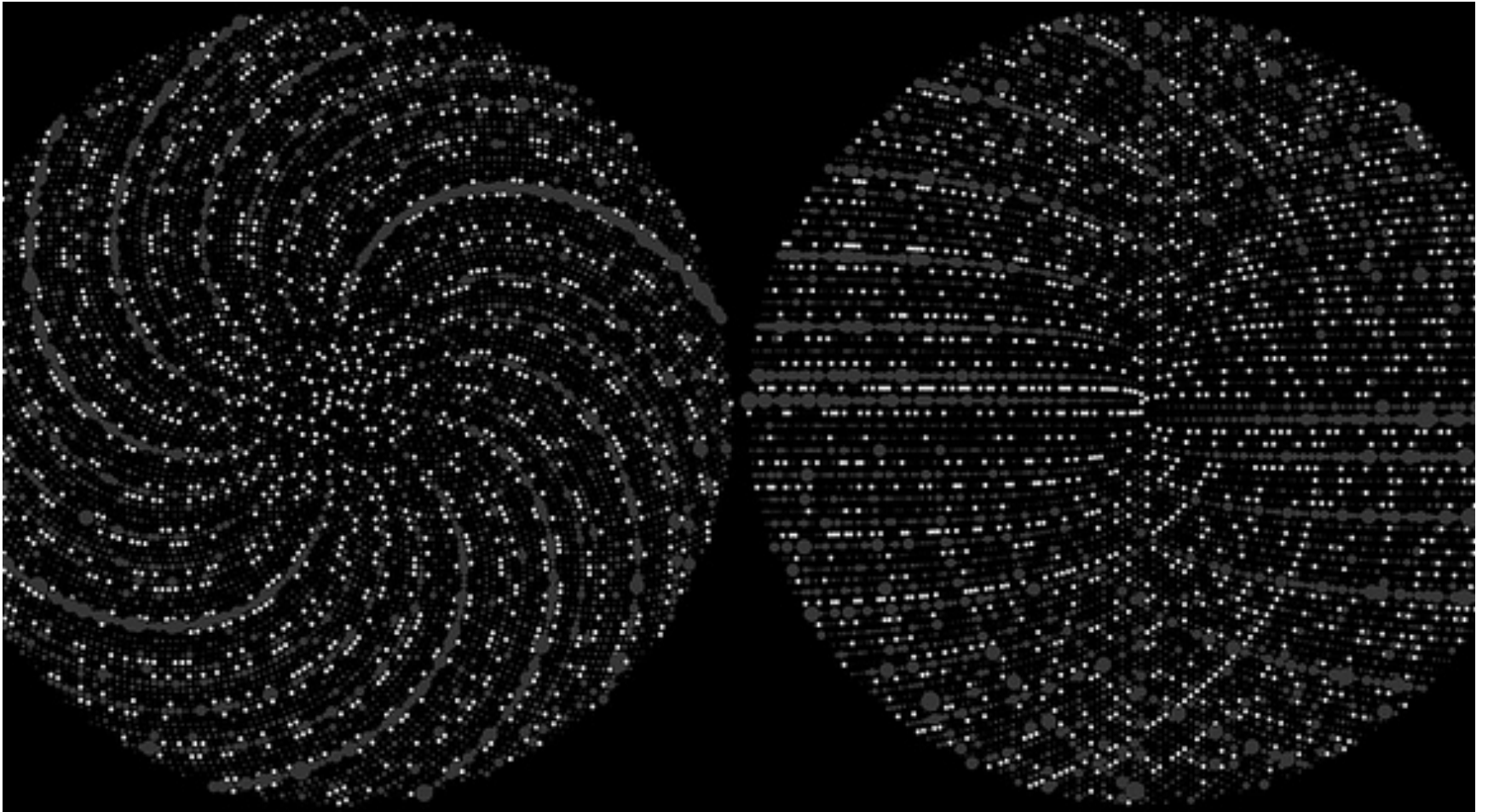
Some examples

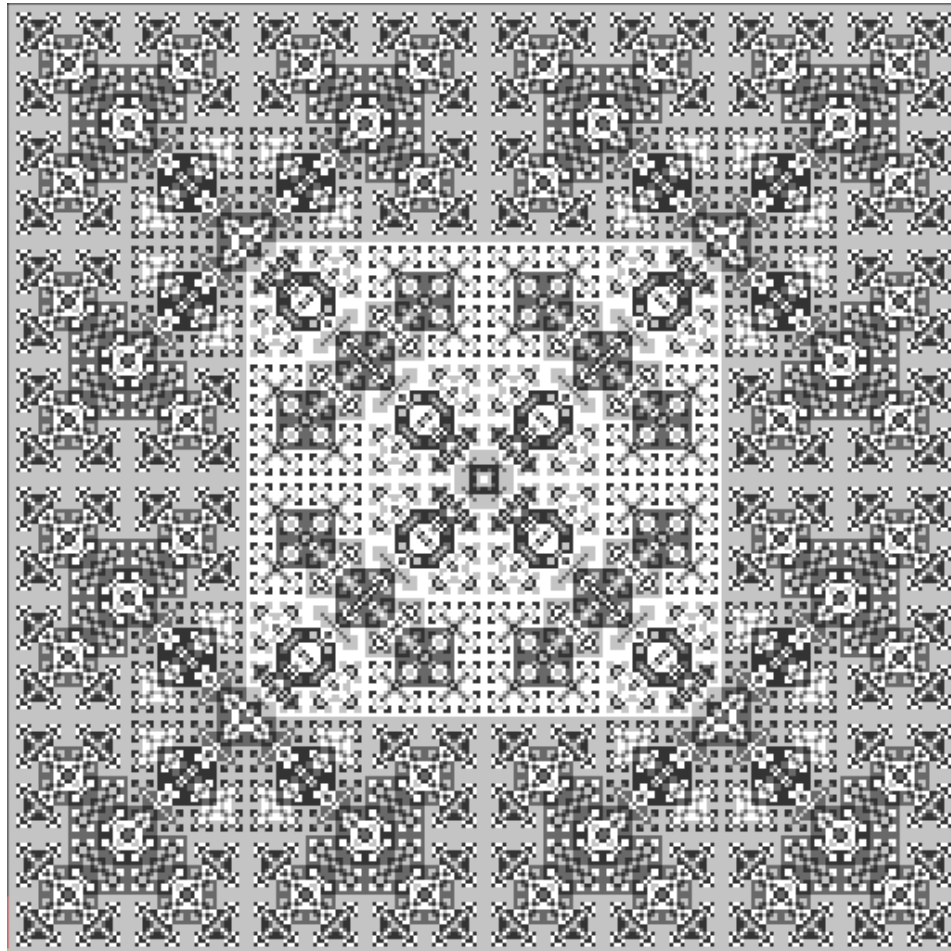# Homework assignment

Homework assignement

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