Key and Lock Puzzles in Procedural Gameplay

Calvin Ashmore Project Defense April 10, 2006

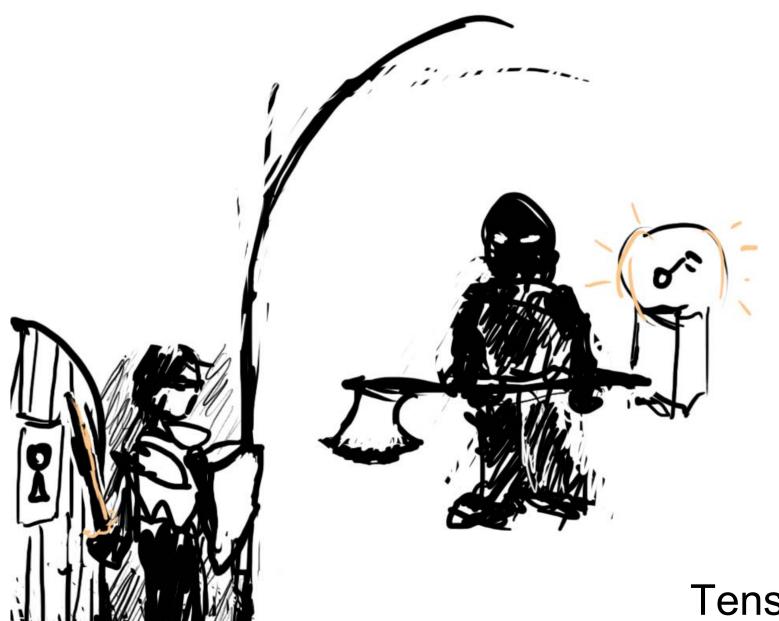
What this project is about

- What is procedural gameplay?
- Why is it important?



Keys

Locks



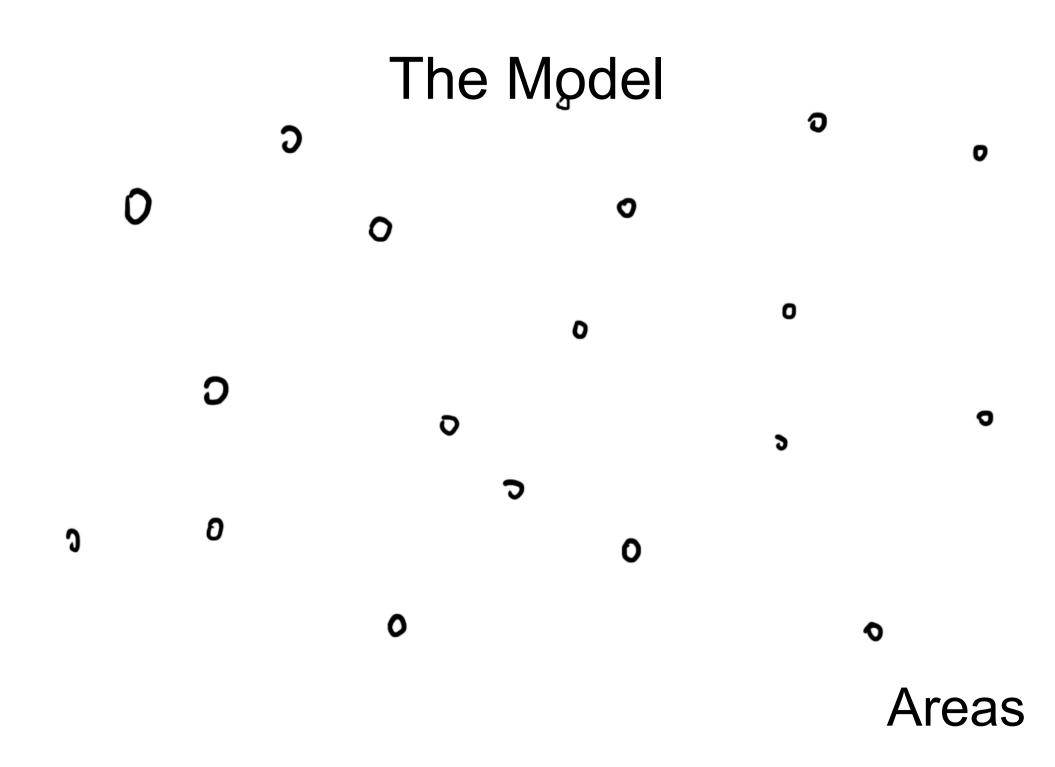
Tension

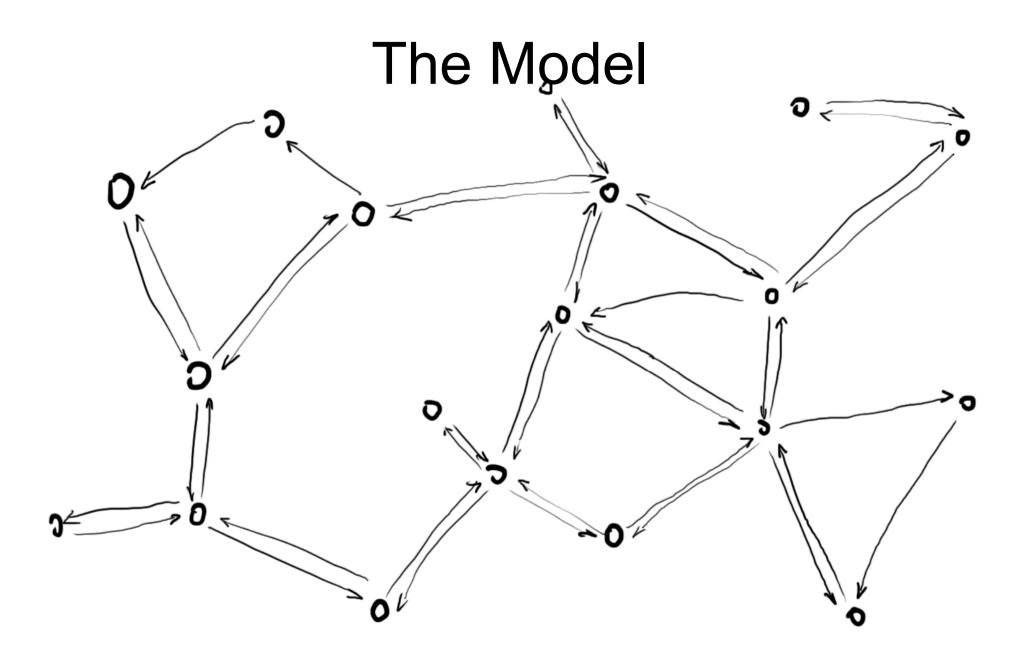
- 1) Keys have bearing on gameplay
- 2) Locks precede their key
- 3) Keys are rewards

- 4) Keys are encountered regularly
- 5) Old keys are useful
- 6) About 3 to 10 new areas are opened with each key

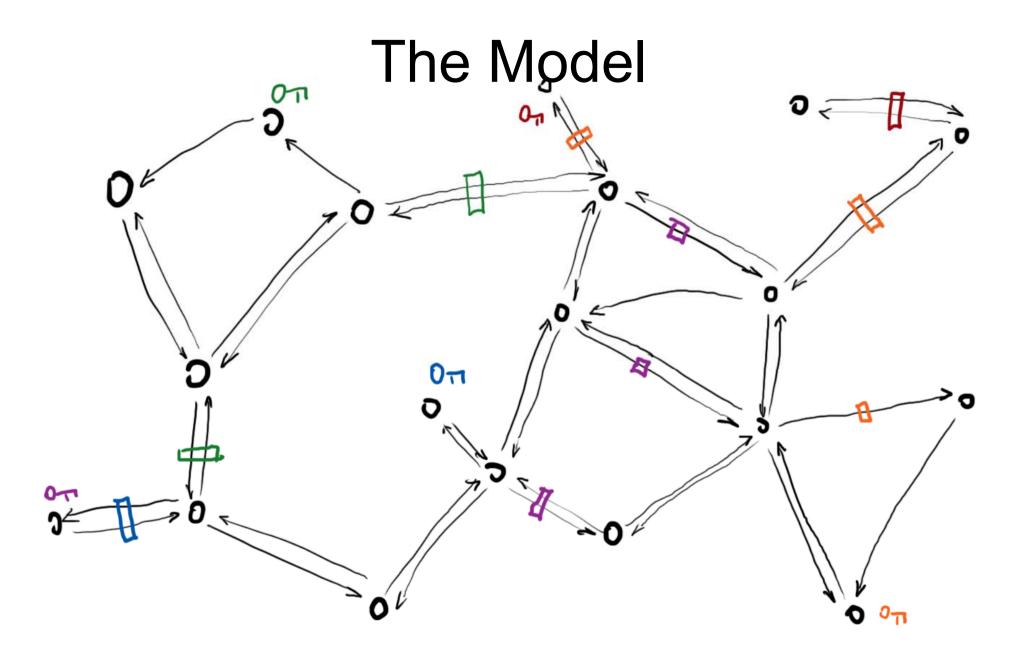
- 7) Locks protect small rewards and new areas
- 8) Keys improve movement through space, and change perception of it
- 9) Locks are not immediately visible
- 10) Some keys are non-essential

The Model

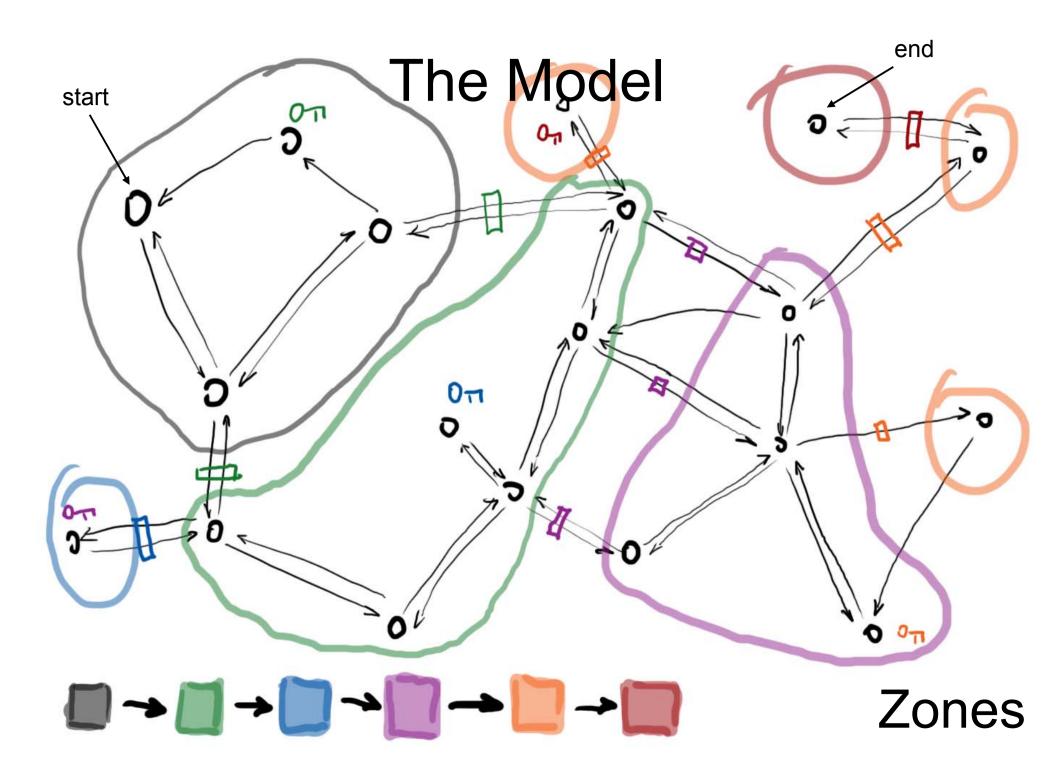


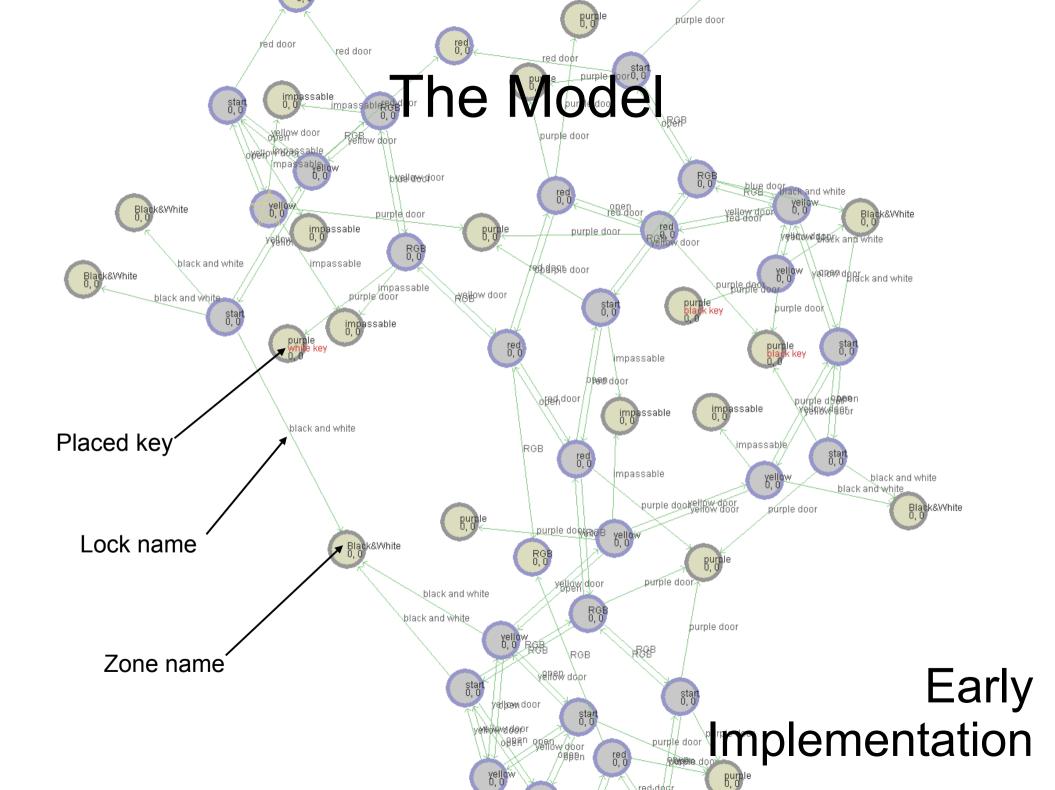


Connections



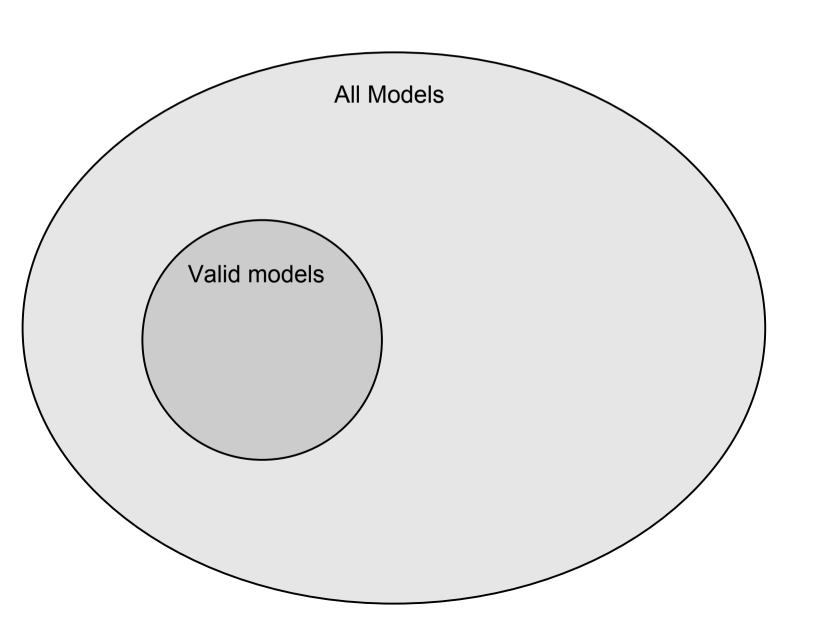
Keys and Locks



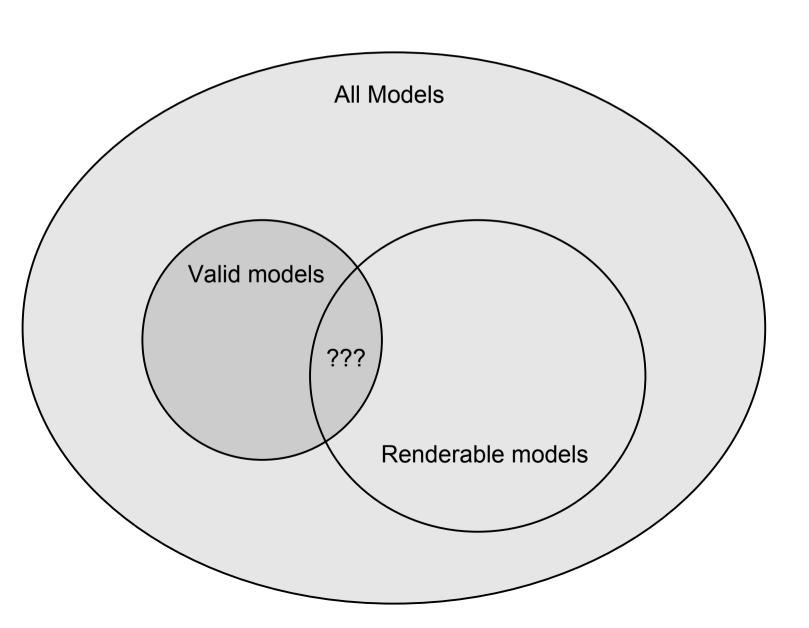


Representation of properties in the Model

Representation of properties in the Model

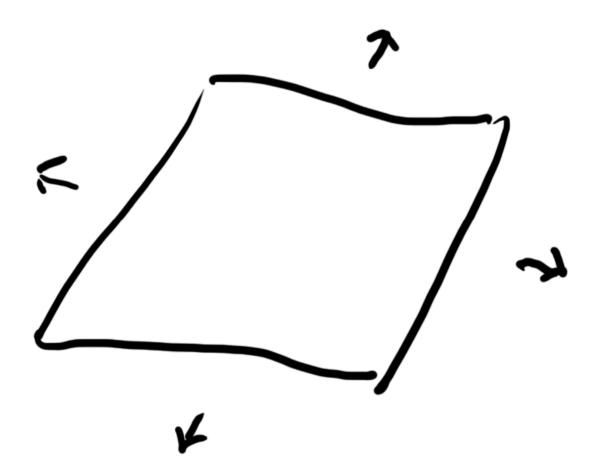


Representation of properties in the Model

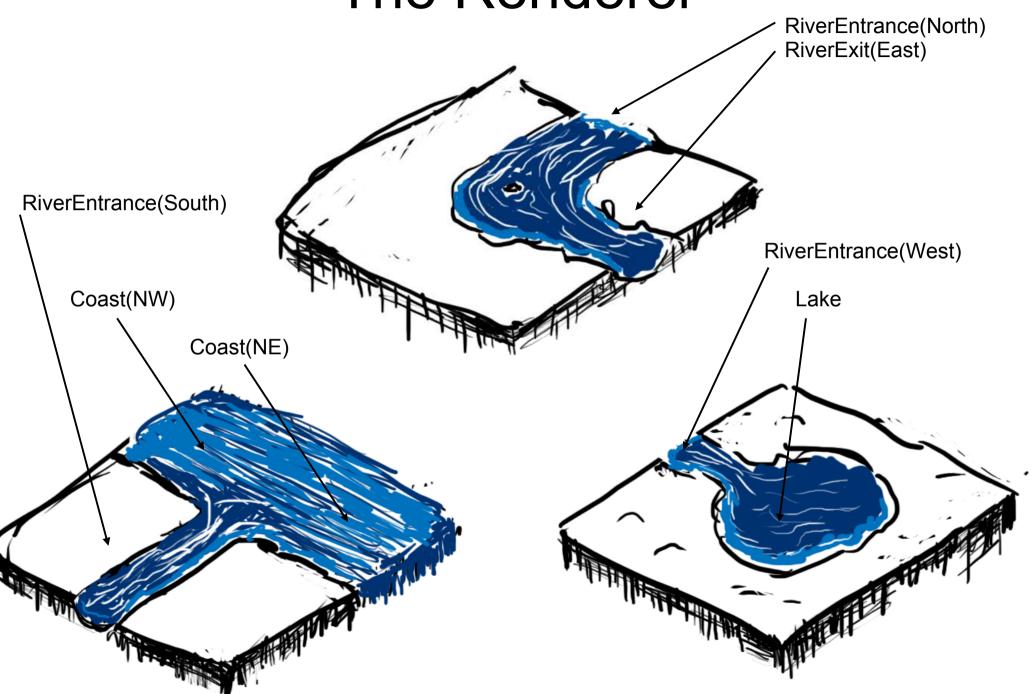


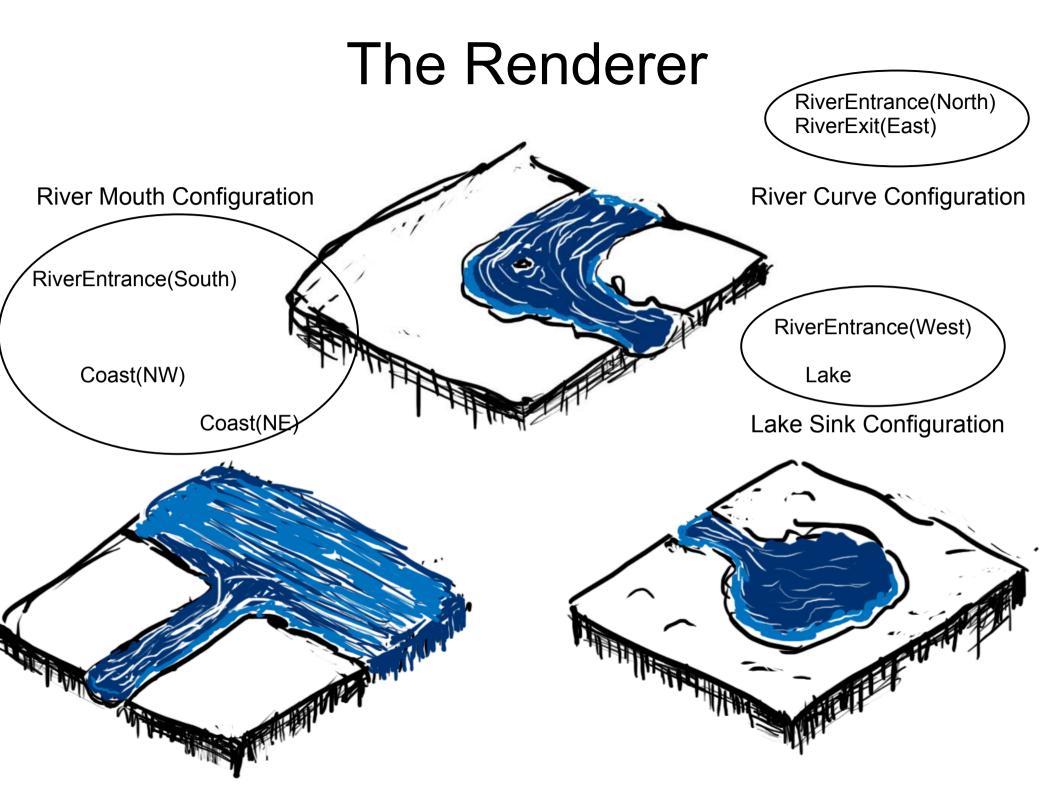
The Renderer (Charbitat!)

The Renderer

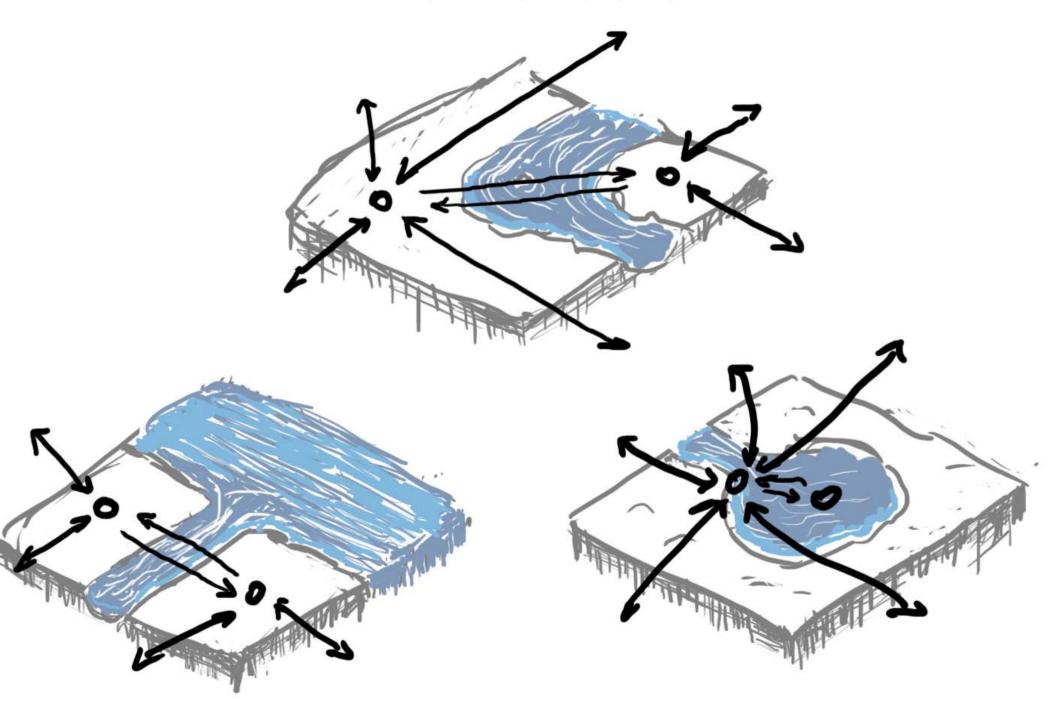


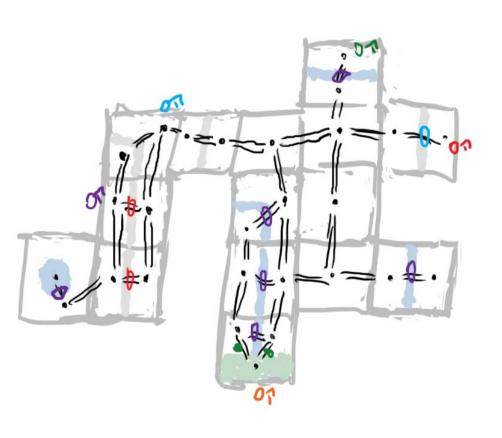
The Renderer





The Renderer





0.81
1.03
0.54
0.97
0.12
0.70

Total Score: 0.0367

