WEEK 4

2.15.21

Agenda

THIS WEEK (4)

1 hr

Assignment 3 Review

Share Work

Grasshopper Review

Make Break
10 min break
10 min make

1 hr

Grasshopper Work Session

Wrap up

NEXT WEEK (5)

Assignment 4 Review

Share Work

The Edge

DigiFab Studio: Laser Cutting

Make Break
10 min break
10 min make

Grasshopper Work Session

Wrap up

Assignment 3 Review

Lets check out your vessel generators!

How did you build it?

What did you have trouble with?

Questions?

Grasshopper Quiz

How do you bake something to Rhino from Grasshopper?

What does the Custom Preview component do?

What are “fancy wires”?

How do you group components?

What is a domain?

How do I choose the 3rd item out of a list?

What’s a vector?

How do I create a point in Grasshopper?

What kind of slider is created if I type in “1<10” or “1..5..10” or “1.1..10”?

How do I convert a decimal number to an integer number?

What does Flatten Tree do?

GRASSHOPPER REVIEW

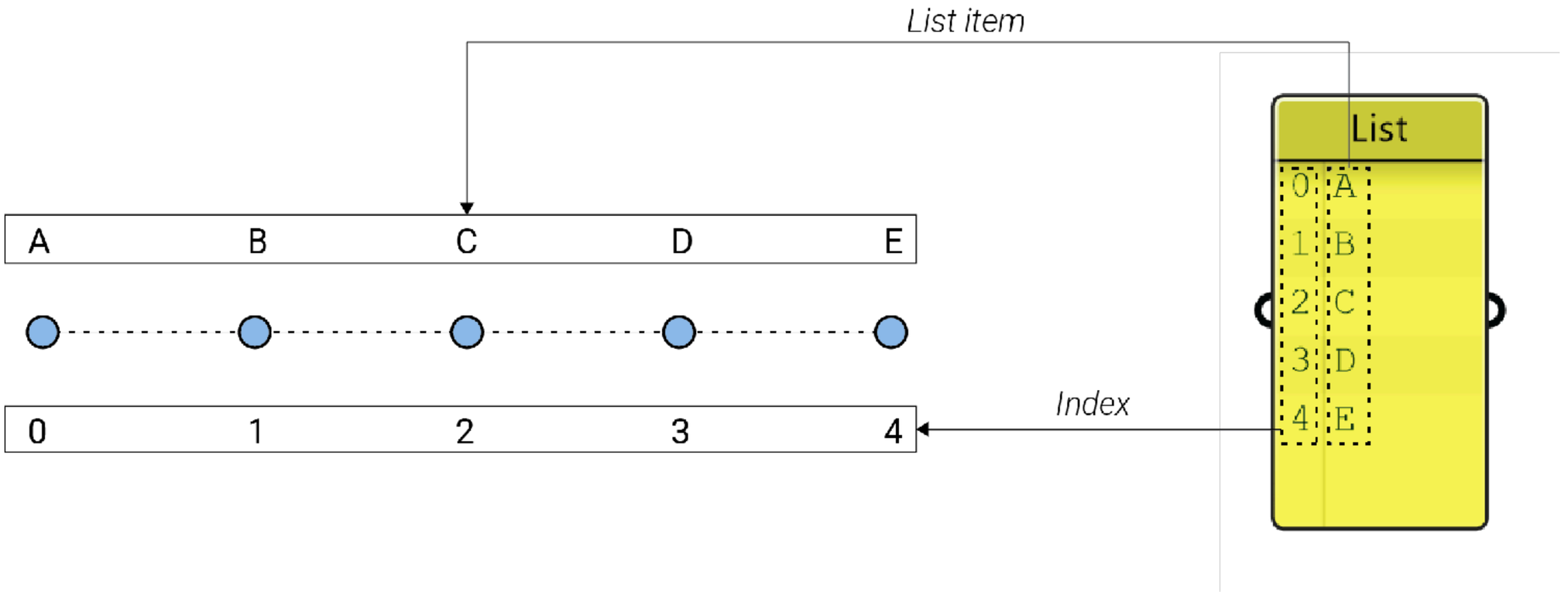
lists

visualizing lists

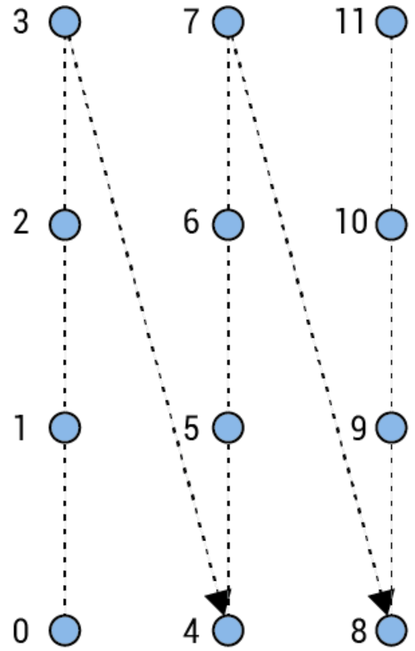
color

data tree

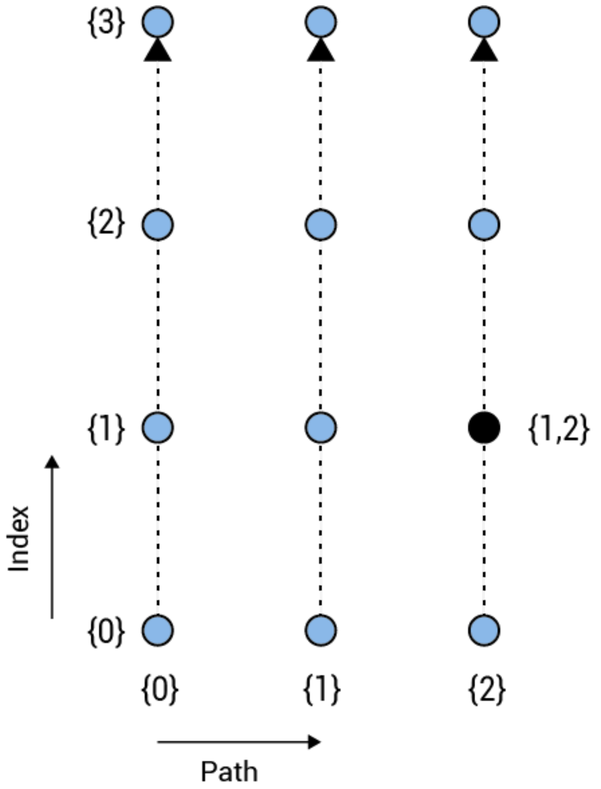
List



List vs Data Tree

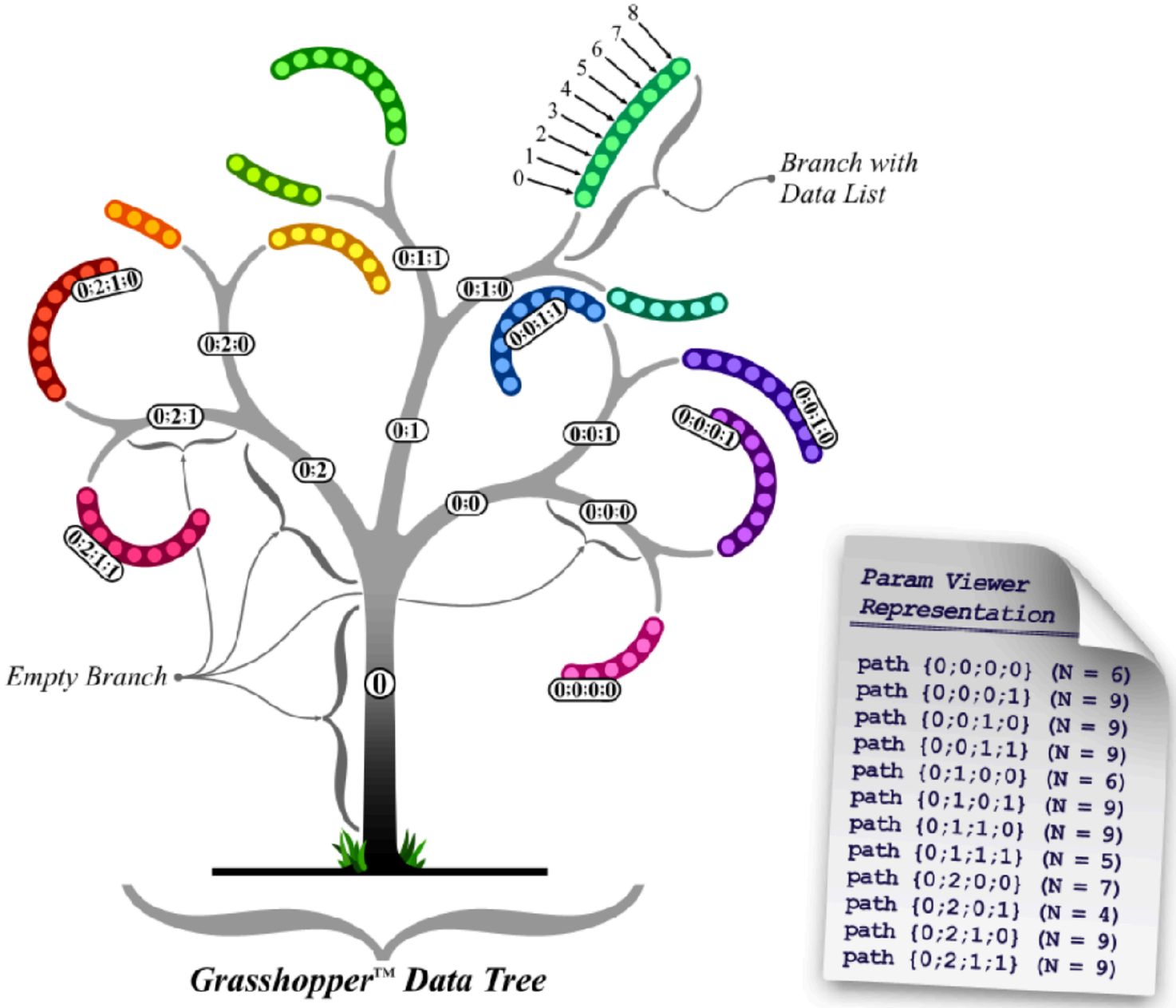


VS.



List

Data tree


0
1
2
3
4
5
6
7
8
Branch with
Data List
0:1:1
0:1:0
0:2:1:0
0:2:0
0:0:1:1
0:0:1:0
0:2:1
0:1
0:0:1
0:0:0:1
0:2
0:0
0:0:0
0:2:1:1
0:0:0:0
Empty Branch
0
Grasshopper™ Data Tree
Param Viewer
Representation
path {0;0;0;0} (N = 6)
path {0;0;0;1} (N = 9)
path {0;0;1;0} (N = 9)
path {0;0;1;1} (N = 9)
path {0;1;0;0} (N = 6)
path {0;1;0;1} (N = 9)
path {0;1;1;0} (N = 9)
path {0;1;1;1} (N = 5)
path {0;2;0;0} (N = 7)
path {0;2;0;1} (N = 4)
path {0;2;1;0} (N = 9)
path {0;2;1;1} (N = 9)

MAKE BREAK

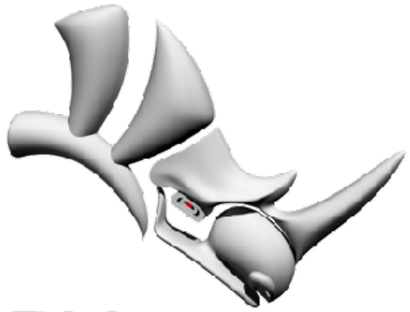
10 min break

10 min make

open Rhino/Gh

make something colorful

TOOLS


Rhinoceros

Bifocals

Weaverbird beta

BANTAM TOOLS®

Markforged

Adobe® Creative Cloud™

Visual Studio

Visual Studio Code

Bifocals

Weaverbird beta

GRASSHOPPER WORK SESSION

GRIDS

ATTRACTORS

IMAGE SAMPLING

ASSIGNMENT 4

build a 2D pattern generator

QUESTIONS ?