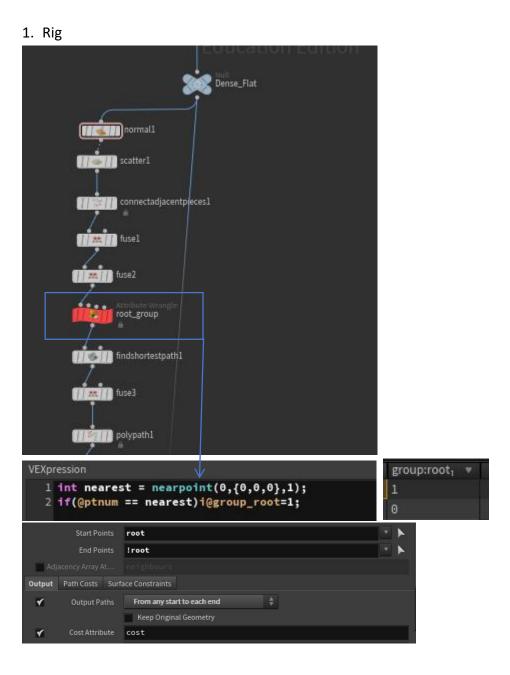
## Breakdown | Growing - Procedural Plant growth Houdini Version: 19.5.605

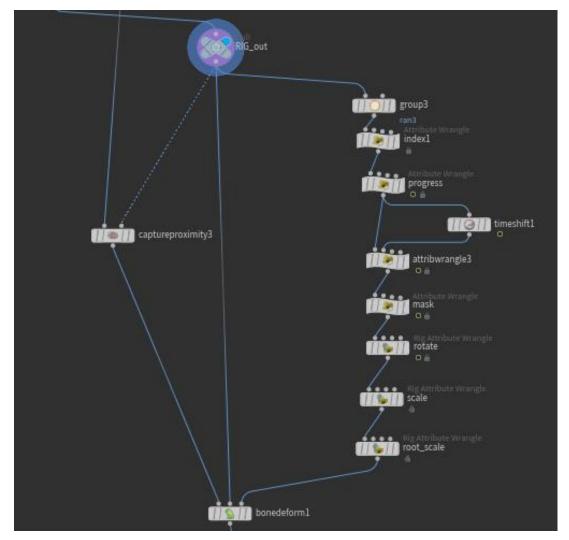
The project aims to utilize Houdini's KineFX to create procedural growth effects for plants, coupled with the height field function to generate procedural landscapes and distribute vegetation.

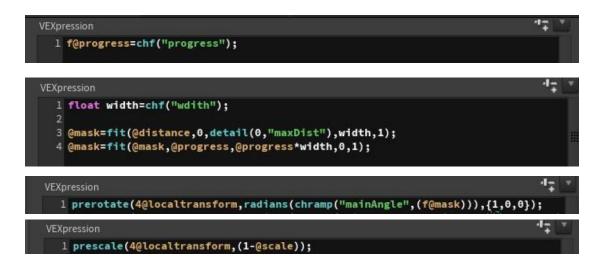


fuse3	Education Edi			
polypath1				
root				
orientalongcurve1				
rigdoctor1				
edgetransport1		<b>Orientation along Curv</b> Asset Name	e orientalongcurvel orientalongcurve 🛊	* H Q O O
		Curve Group Frame Tangent Type	Next Edge 🔶	
distance		Tangene Type	Make Closed Curve Orientations Continuous     Extrapolate End Tangents     Transform Using Point Attributes	
	RIG_out	Target Up Vector	Y Axis	
		Additional Rotations		

Edge Transport edge	transport1	*	H	Q	1	1
Asset Name						
Method	Edge Network 🔺					
Point Group						•
Attribute	distance					
Direction						
Root Choice	Group 🖕					
Root Group	root					•
Operation						
	✓ Integrate a Constant Value					
	<ul> <li>Scale by Edge Length</li> </ul>					
Edge Split Method	Copy 🛔					
Stribute Promote at	tribpromotel	*	H,	Q	٢	0
Asset Name						
Original Name	distance					
Original Class						
New Class	Detail 🗍					
Piece Attribute						
Promotion Method	Maximum 🗍					
	🖌 Change New Name					
New Name	maxDist					
	Delete Original					

## 2. Growth Animation





Group	root		× 🕨
Group Type	Guess from Group		
Run Over	Points	ŧ	
VEXpression			4 <del>.</del>

This node combination can be assembled onto any plant model to achieve growth effects, providing diversity through parameter adjustments.

**Tutorial Reference:** 

https://www.sidefx.com/houdini-hive/houdini-hive-paris-2023/#massive Flower Garden by Carl Krause