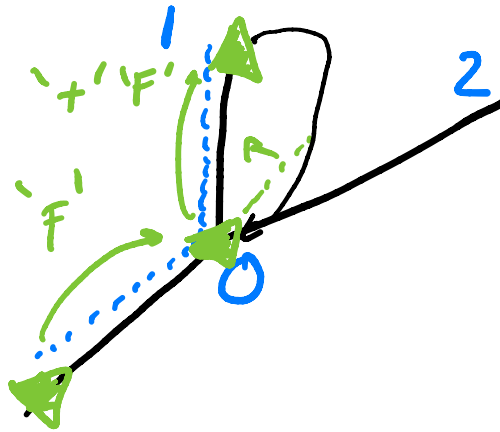


Lecture 28

Stuck! use Goto get back to 0.

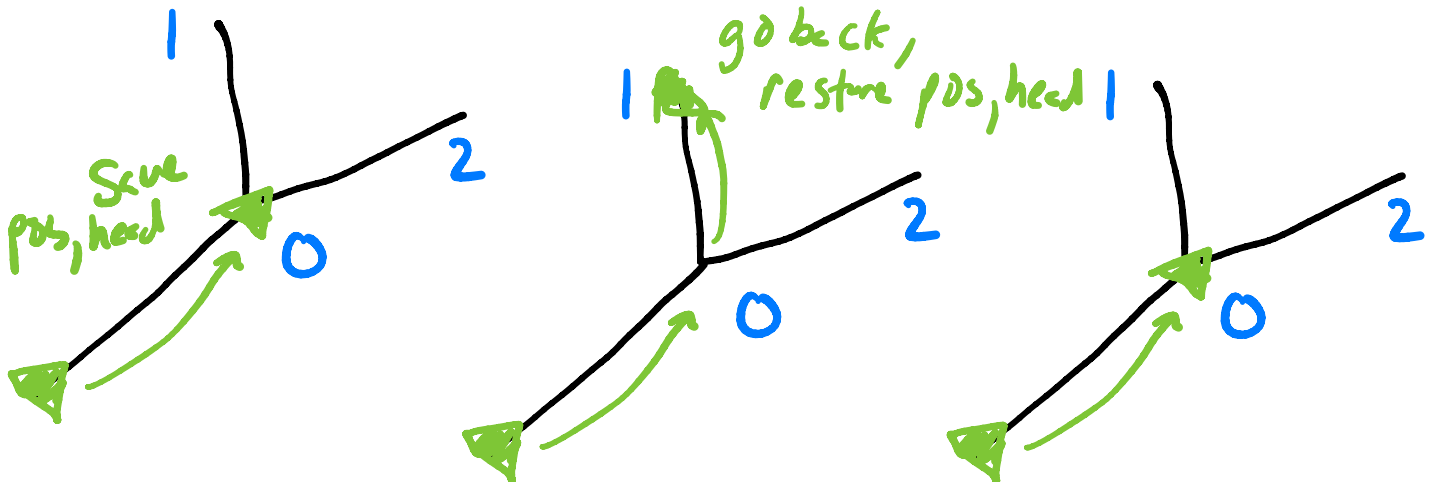


★ where do we go to? Along what heading?

- position
- heading

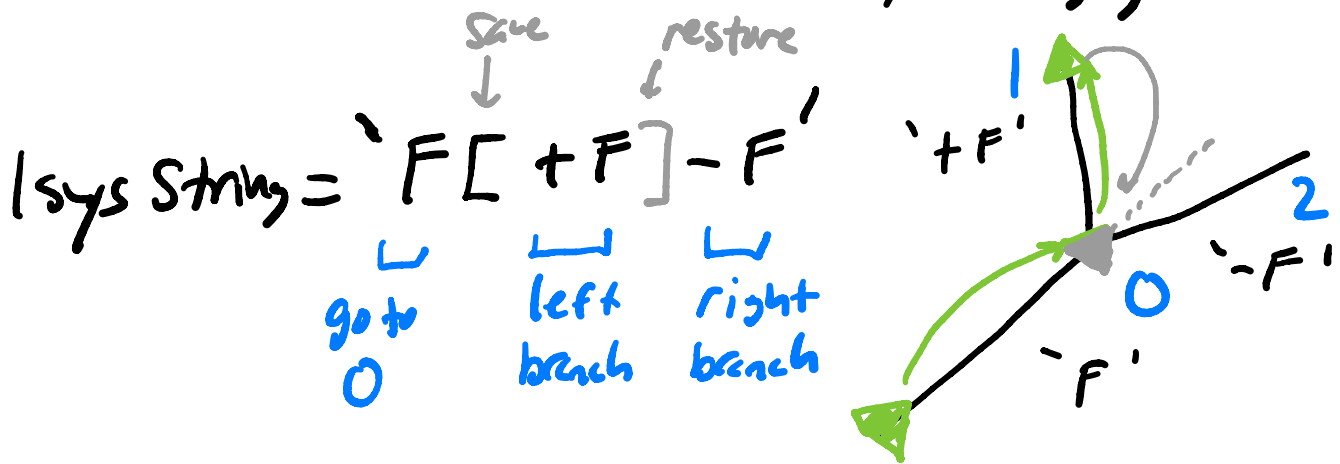
★ when at 0 save turtle's position and heading.

⇒ restore both later when we need it.



New L-system chars:

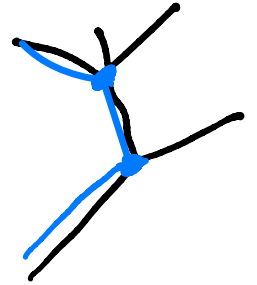
- [Save turtle state (position, heading)
-] Restore the last saved turtle state (position, heading)



How to implement [,] ?

Use a list like a paper stack.

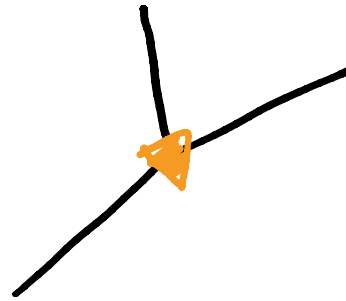
Stack = []



Stack.append(heading) '['

Stack.append(position)

Stack: [heading, position]



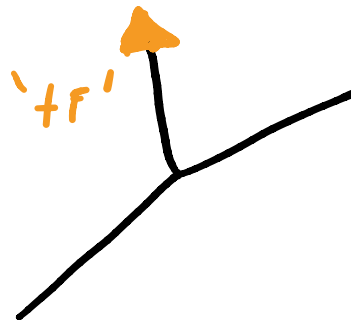
']'

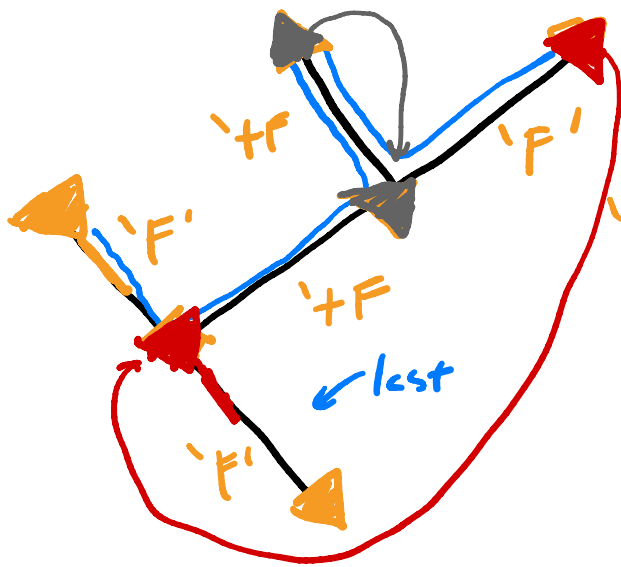
prev pos = Stack.pop()

Stack: [heading]

prev heading = Stack.pop()

Stack: []





lsys String :

$F[+F[+F]F]F'F'$