

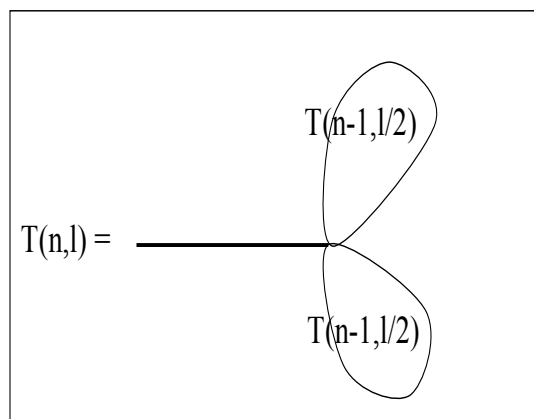
Lab 3 – Python Programs with Turtle Fractals

Task 0 - Get Organised.

Task 1 – Binary Tree

This task is to draw the binary tree and then perhaps you can attempt the quadratic tree (tree with 4 branches).

- Follow the definition and write the recursive function for the tree as below

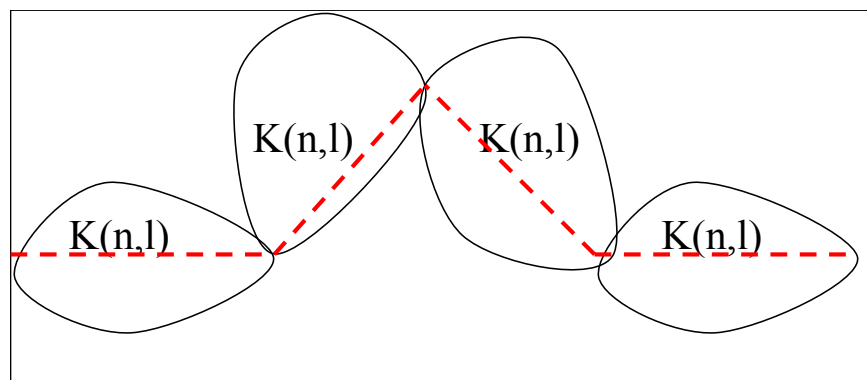


- Create a pen and set some features including the speed(0)
- Set the initial position of the turtle to get benefit of the canvas / screen
- Then call the function for various values of n and l.
- Do similarly for a tree with 4 branches.

Task 2 – Snowflake

This task is to draw the snowflake. Do not forget that the snowflake is made of 3 koch curves.

- Follow the definition and write the recursive function for the Kock curve as below



- Then write the function (not recursive) for the flake
- Create a pen and set some features including the speed(0)
- Set the initial position of the turtle to get benefit of the canvas / screen
- Then call the function for various values of n and l.