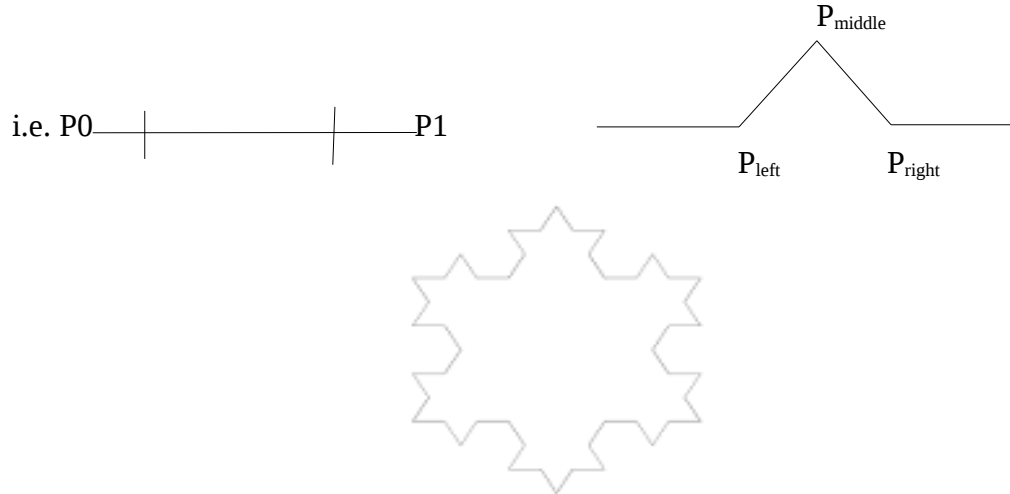


CG Lab Test

1. Draw following shape with the help of algorithm which is used to draw the PUCSD logo.



Programming Requirement :

For this problem, you need to write a program that can:

- read user inputs of the 2D coordinates of two vertices, say q_0 and q_1 ;
- compute the coordinate of a third vertex, q_2 , such that q_0 , q_1 , and q_2 form an equilateral triangle and are arranged in a counter-clockwise order;
- generate a Koch curve of a specified level, based on the original triangle;
- display the Koch curve in a reasonable size and without distortion; and
- allow a user to change display color and curve level via a menu

2. Write a program for moving paddle such that paddle should not leave the screen. Also apply keyboard movement.