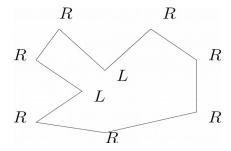
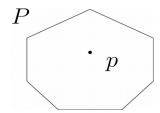
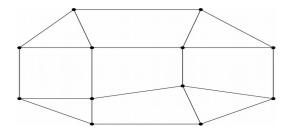
- Q1. Given a simple polygon (say, vertices are listed in clock-wise order):
 - a) Print the vertices having a left turn (if any).
 - b) Print the vertices having a right turn.



Q2. Given a convex polygon P, you have to write a program to decide if an arbitrary point p lies inside P or not.



- Q3. Assume that you have ready DCEL structure (edge, face, vertex tables) for planar subdivisions (use the following figure). Write functions for the following:
 - 1. Given a vertex v, which vertices are the neighbors of v?
 - 2. Given a face f, which other faces are having a common edge with f?



Q4. Write a program for randomized median finding (from a list of integers) with some relaxation d, allowing the median range (m-d/2) to (m+d/2) where m is the actual position of the median. Here, d is user input. Now, extend this median finding solution to write a Quick-sort procedure.