

Lab Exercise 7

Graph Theory

Answer the following:

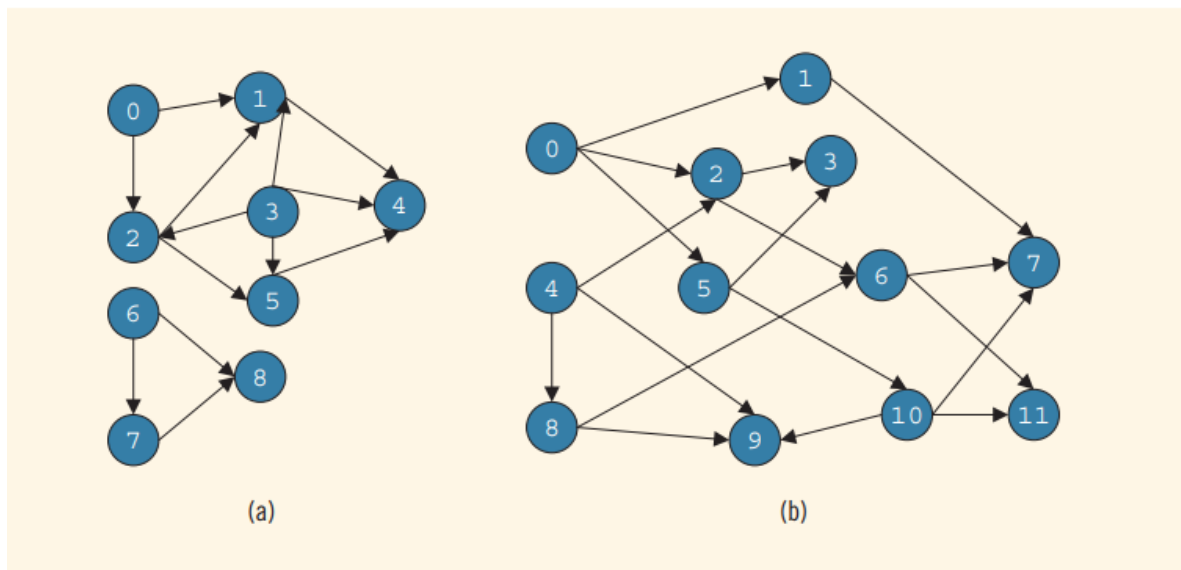
Question 1:

Write the pseudo codes for the following:

- 1) Depth First graph traversal
- 2) Breadth First graph traversal

Question 2:

Refer to the graphs given below and the answer the questions.



- a) Find the adjacency matrix of the graph in Figure(a) & (b)
- b) Draw the adjacency list of the graph in Figure (a) & (b)
- c). List the nodes of the graph, in Figure (a) & Figure (b), in a depth first traversal.
- d). List the nodes of the graph, in Figure (a) & Figure(b), in a breadth first traversal.