Lab-3

Task-5

Time complexity of BFS:

Adjacency List = O(V+E)

P M No

Adjacency Matriz = O(V)

Time conplexity of DFS:

Adjacency List = O(V+E)

Adjacency Matrix 2 O(V)

For getting the destination:

123457 11 612

DFS L 2 3 4

11

12

We can see, we get the destination foster through DFS than BFS.

We can see that the time complexity

We can see that the time complexity

of both BFS and DFS are same.

But, when in this case we get

the destination faster by DFS.

C= 10 80B XXXB

Scanned with CamScanner