

Lab Assignment 3

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Task 5

Time complexity of BFS is $= O(E+V)$
where E denotes edges and
 V denotes vertices or nodes.

Time complexity of DFS is $= O(V+E)$ and
this time complexity is similar to BFS.

Now,

DFS is

As DFS is faster, so Gary gets to
the victory road first. DFS is gone
to distant places and being able to
iterate more than BFS. And by
using DFS algorithm, Gary gets
to the victory road first.