Here in lash 2 BFS is we used while im task 3

DFS is used. The time complexity for BFS is 0 (100 V+E)

while using adjacement list whome V nefers to the

ventices on modes and E nefers to the edges. Again,

when using adjacement modaix for BFS, the time

complexity is 0 (V2) where V nefers to the ventices.

On the combrany, the time complexity for DFS is also O (V+E) while using the afficement Hit list and O (V) while using afficement mothers which is exactly some as the time complexity of BFS.

So, the time complexity of DFI and BFS are equal, even though the time complexity for the track 2 and task 3 are equal, Ornay will get to victory road tinst.

The reason for this is the number of places visited before reaching victory road. Here, I had to visit o places to neach victory road according to task 2 and shown is output 2 ashieh is " Places! 123457 11 612" Om the other hand, Carray had to only visit 7 places to neach victory following DFS of task 3. and output 3 shows that "Places: 123471112" Therefore, it can clearly be understood that

Therefore, it can clearly be understood that array will get to the victory road first.