COL202: Discrete Mathematical Structures
Tutorial/Homework: 11

1. Discuss Minor-2 questions.
2. Complete discussion of Tutorial-10 problems in case needed.
3. Prove or disprove: Any strongly connected graph with n and $(n-1)$ edges is a tree.
4. The *degree* of a vertex in a graph is the number of edges incident on it. A graph is said to be t-colorable iff every vertex of the graph can be assigned one of t colors such that for every edge (u, v), u and v have different colors.

   Prove or disprove: Any graph where the maximum degree of a vertex k is $(k+1)$-colorable.