



Assignment #1

Evolutionary tree Reconstruction

Prove that:

1. Every tree with n nodes has $n - 1$ edges.
2. Every **simple tree** with n leaves has at most $n - 2$ internal nodes.

Submission Rules:

1) The submission of the assignment is by **the submission link ONLY:**

[Assignment 1](#)

2) All the files of your answers (pdf, word or images of handwritten answers) should be compressed into one compressed file (.zip or .rar) and the file **name MUST** be:

ProgramName followed by **_ yourFullName**. For Example:

The attached file name is: **MathCS_ Ali Ahmad**

3) Also write on the file **your complete info (Name, Program, Level)**

4) The **deadline** for receiving your answers is: **Friday March 8th 2024 at 23:59**

BEST WISHES