Groups: You are allowed to work with two other persons to complete this assignment. You may choose to submit a single repository per group, but make sure to list the group members in the submission comments.

1. (30 pts)

Write a program to read and display information from a truss design file. The design file will be provided on github along with this assignment. Your program should look **similar**\* to the figure below. Your program should utilize the Model-View-Controller (MVC) Design pattern and be object oriented. The files Truss\_App.py, Truss\_GUI.py, and Truss\_GUI.ui do not need any changes. All the work is in Truss\_stem.py.

![Chart, line chart

Description automatically generated]()

\* I have updated the GraphicsView example (https://github.com/profSmay/MAE3403\_WK11\_SP24.git ) to draw a more set of graphics (see code and figure below). In your truss, you should utilize the RigidLink for all of the links (and eliminate the yellow/blue circles for nodes) and RigidPivotPoint (at nodes Left and Right).

A screenshot of a computer

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