Groups: You are allowed to work with two other persons to complete this assignment. You may choose to submit a single zip file 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 canvas along with this assignment. Your program should look like 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. Note: you will likely want to refer to the Project2021\_latest folder to see how drawing with QGraphicsView framework is used.

![Chart, line chart

Description automatically generated]()