The output of the code shows that for the truss system that we used in class, the node that was fixed had 0 displacement as expected. The node that was fixed in only the x direction saw a shift in y but only slightly. However, the two nodes that were free on both degrees of freedom saw a relatively very large displacement in the y direction and smaller displacements in the x direction. The 4th node had the highest displacement followed closely by the third node. This is due to the fact that the force was applied on the 4th node on the y axis in the negative direction and the 3rd node is free on both axes.

My output: Chart, line chart

Description automatically generated

Text

Description automatically generated