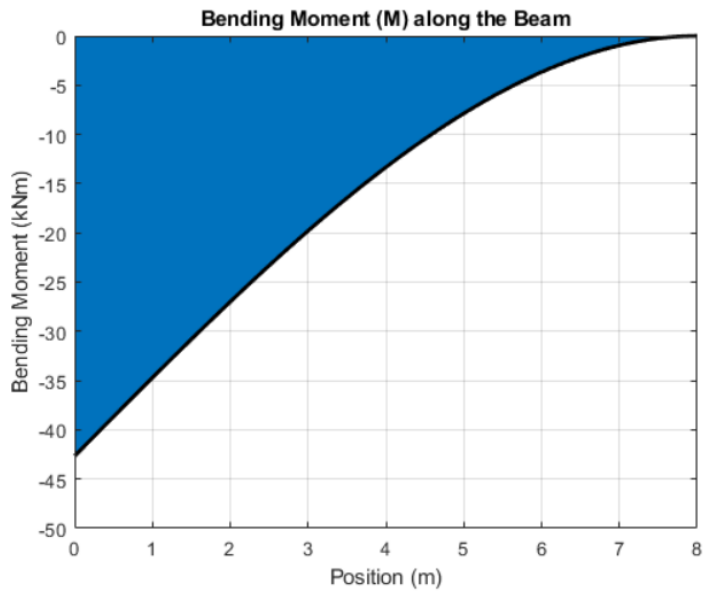
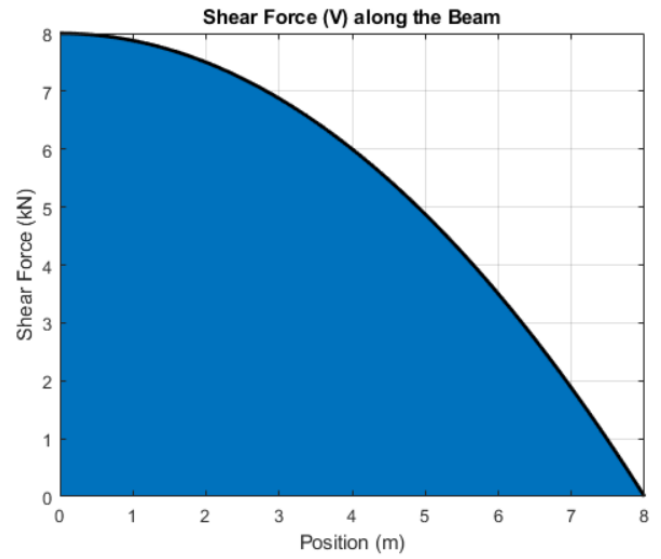
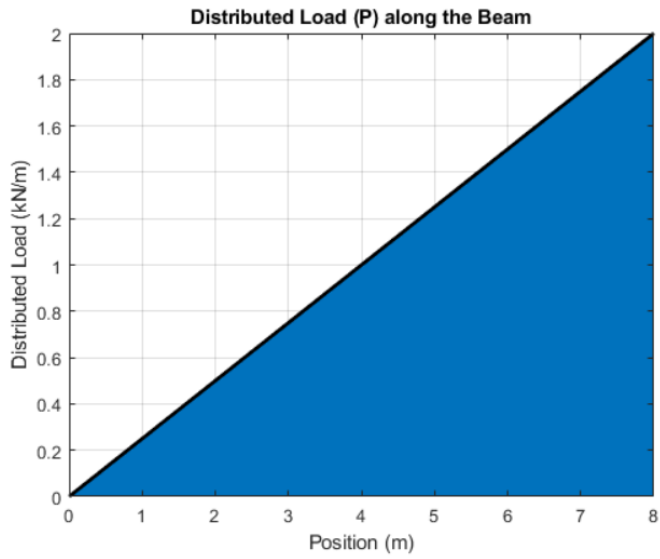


Computer Project 1

Shreyes Kumar, Abbas Hussain, Graham Harper, Joseph Barber

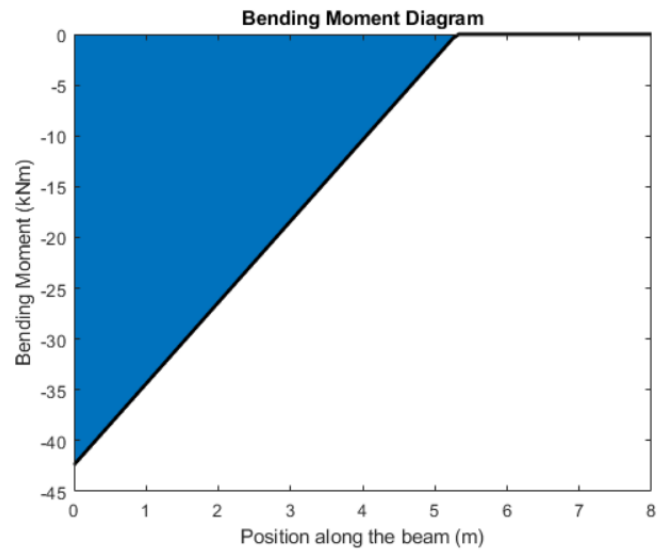
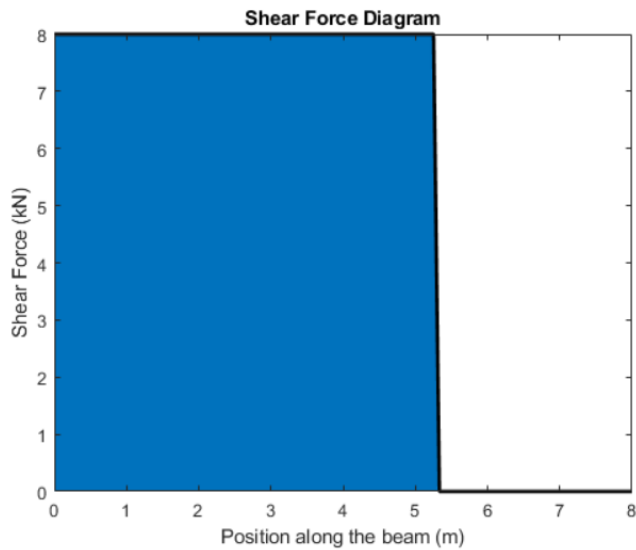
Part 1. Method of Sections



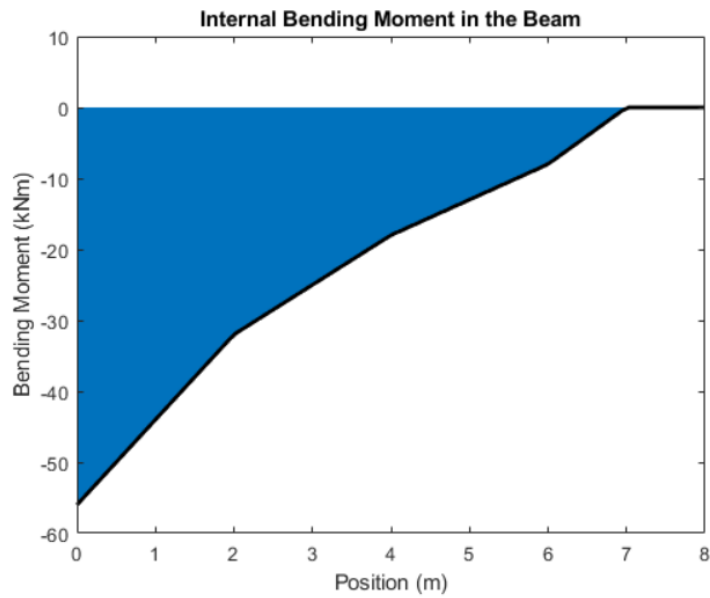
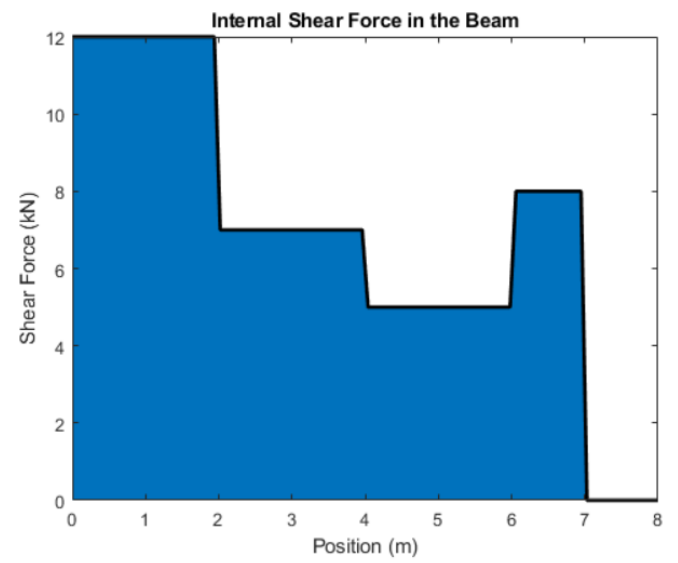
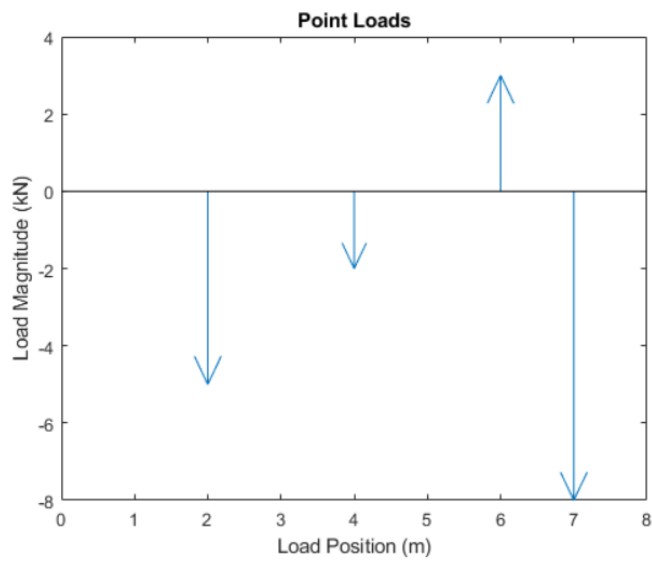
Part 2. Multiple Point Loads

2a.

The method of using a point load approximation is not very accurate because when taking a point load approximation you convert a distributed load into a point load. Doing this will make the entire distributed load concentrated at one place and will not produce a correct shear and moment diagram. Using this method will not account for the fact that the forces are distributed which can result in different stresses and deflections than those actually experienced.

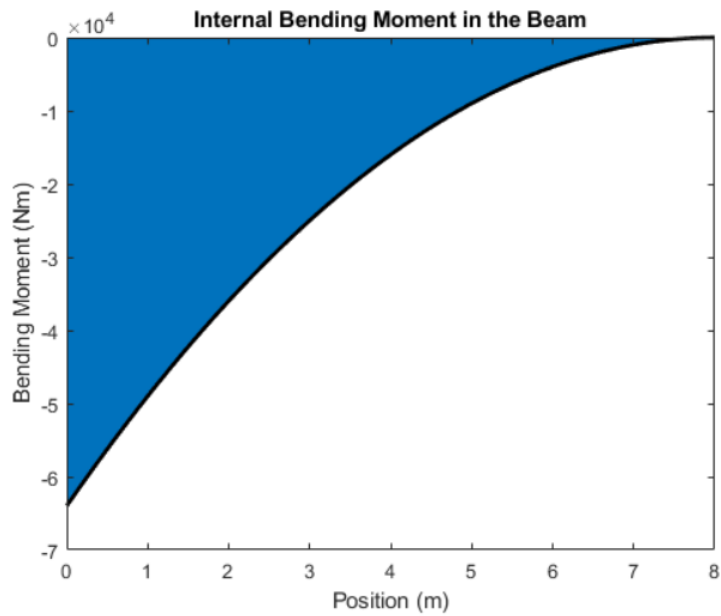
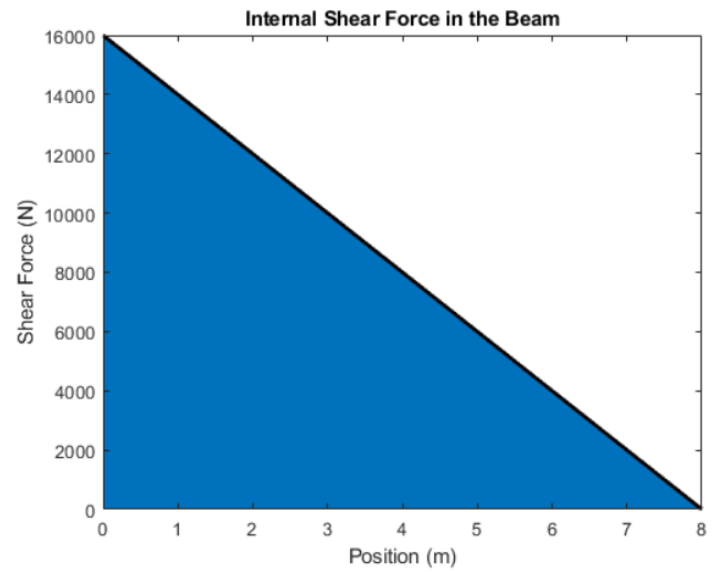
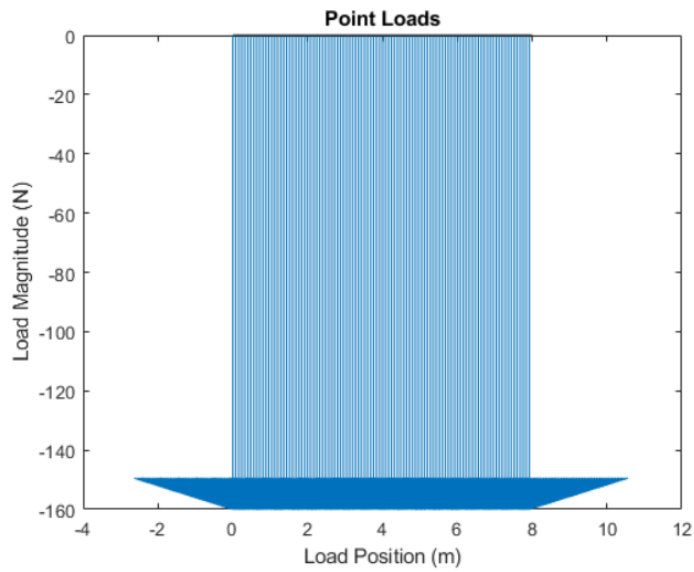


2b.



Part 3. Numerical Analysis

3a.



3b.

